# ST. JOSEPH'S COLLEGE, DEVAGIRI (AUTONOMOUS)

**A College with Potential for Excellence**

**Affiliated to the University of Calicut**
**Calicut, Kerala – 673008**

## SELF STUDY REPORT
### 2011-2015

**(For Institutional Accreditation Cycle 3)**

*Submitted to*

# National Assessment and Accreditation Council
## (NAAC)

Bangalore

# PREFACE

It gives me immense pleasure to bring out the Self Study Report (SSR) of St. Joseph's College, Devagiri (Autonomous) for submission to the National Assessment and Accreditation Council (NAAC), Bangalore for the third cycle of accreditation. This report is the criterion-wise compilation of the inputs, processes and outcomes of our endeavours for quality sustenance and enhancement. This SSR has given us an opportunity to know our strengths and to identify our weaknesses so that we could strengthen our quest for quality and excellence.

The entire college community was involved in the process of review and self appraisal. The present report is the outcome of the collective effort of the entire *Devagiri Family*. The IQAC has been keen to make the entire process interactive and participatory by ensuring the involvement of all the stakeholders.

Let me express my sincere thanks to the management, staff and IQAC for extending wholehearted support for the preparation of this Self Study Report.

Dr. Sibichen M. Thomas

Principal

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## EXECUTIVE SUMMARY

St. Joseph's College, Devagiri, is an institution of higher learning in Kerala, envisioned by the CMI congregation and established in 1956 with the vision of uplifting the poor and the less privileged of Kerala. Driven by its motto '*Pro Deo et Patria*', which means 'For God and Country', the College imparts education with the mission of transforming its students into leaders of social reformation who are socially conscious, intellectually competent, spiritually enlightened, morally upright, psychologically integrated and physically healthy.

**Criterion I: Curricular Aspects**

The College, affiliated to the University of Calicut, had little freedom to develop its own curriculum for realising the stated vision and mission. Even so, efforts were made at the initiative of individual departments to complement the curriculum through seminars, assignments and projects, and to fine-tune it to make it more enriching and updated. Besides, due to the presence of a good number of our faculty in the Boards of Studies of the affiliating university, the College could exert its influence in the designing of curriculum.

The autonomous status obtained in 2014 has empowered the College to design its curricula to suit the requirements of the employers in particular and the society in general. The College has already initiated the process of curriculum restructuring. The process of curriculum development is reviewed at three levels– by the Department, Board of Studies and Academic Council. While the department concerned, prepares the broad content of the syllabi with due regard to the feedback obtained from students, alumni, parents and external experts, the Board of Studies reviews the curriculum and proposes the necessary changes. Every Board of Studies consists of subject experts chosen from other colleges/universities, nominated from industry and co-opted from the alumni. The Board also decides on the structure of the syllabi, method of evaluation and the panel of examiners. The Academic Council gives broad guidelines on these areas and approves the decisions of the Board.

The College offers 15 UG, 11 PG and 6 PhD programmes in arts, science, commerce and management studies. Besides, the institution is a study centre for PG programmes of the affiliating university on the distance education mode. With the introduction of Choice Based Semester System (CCSS) in 2009, the affiliating university brought limited flexibility into the UG programmes by offering Open courses and Electives apart from the Common courses.

**Criterion II: Teaching– Learning and Evaluation**

The College strictly adheres to the admission policies of the government and the affiliating university in respect of the admission process, and adopts all possible measures to ensure fairness and transparency in the process of admission. It ensures due reservation to candidates belonging to SC and ST categories, and also to the physically challenged candidates. Foreign students under ICCR scheme and students from Lakshadweep are also admitted.

The teaching-learning and evaluation processes are planned and executed in accordance with the academic calendar and the examination schedule prepared in advance. The tutorial system practiced in the College helps us to identify the differential requirements of student population so that special support can be extended to the slow learners in the form of remedial classes, while high achievers are motivated to pursue challenging career goals.

Student-centric teaching methodology, with student involvement through seminars, group discussions, brain storming sessions and project works, ensures the holistic development of the learners. ICT is used extensively and most of the classrooms are equipped with laptops and LCD projectors. Campus-wide connectivity and the library with INFLIBNET facility ensure access to e-resources.

A team of well qualified and committed teachers is the greatest strength of our college. Teachers are recruited as per the UGC norms laid down by the University of Calicut and the Govt. of Kerala. Currently the College has 119 teachers on the rolls out of which 72 are in the grant-in-aid, 35 are management-paid and 12 are guest faculty. Among the teachers 40 are PhD holders and 11 have M.Phil degree while 49 are UGC-NET/JRF qualified. Teachers update themselves by participating in refresher courses, orientation programmes and other training programmes. Teacher excellence is enhanced by a structured feedback system. Teachers collect feedback from students, which are used for improving their performances.

The Controller of Examinations (CoE), monitors the examination process in the College. The institution strictly adheres to the examination schedules. Adequate measures are taken to ensure the fairness and objectivity of the evaluation process. Provision is made for revaluation and re-totalling of answer scripts. Students can also get photocopy of answer book on request. Internal Quality Assurance Cell (IQAC) administers the students' feedback system and monitors the teaching-learning process in the College.

**Criterion III: Research, Consultancy and Extension:**

Research in the College has been given a strong thrust, putting it on par with teaching-learning. Six departments (Zoology, Botany, Chemistry, English, Mathematics and Physics) are approved research centres. After the reaccreditation five scholars completed research from our centres and were awarded PhD. Most of the departments offer project works to encourage research activity among the students. Eight faculty members completed research and were awarded PhD during the last five years, while nine others are pursuing research leading to PhD. At present the institution is running 6 major and 20 minor research projects with a total outlay of Rs. 1,44,79,400. Since the last accreditation, the College has substantially strengthened the basic research facilities by availing CPE, DST, GDA and BSR grants. Most of the faculty members publish papers in referred journals. The College has launched an international science journal and a journal of social work. The Research Advisory Committee helps the faculty by providing information regarding funding sources and co-ordinating the research activities in the College.

The departments and faculty give free consultancy services in various areas. Plant identification, pest control and statistical data analysis are some of the important areas where consultancy is offered.

Extension projects and outreach activities have been substantially strengthened since the reaccreditation. In addition to NSS, NCC and Blood Donors' Forum, the Social Work Department has taken up a project for the conservation of Poonur River (Project Prayan) and has undertaken a number of social surveys and community development programmes in rural areas including 'adivasi settlements'. Blood donation which is practiced as a process of orienting students towards selfless service has been widely appreciated. 'Ashakiran', a school for the differently abled adjacent to the College and run by CMI Congregation is a centre where the community service programmes of the college are regularly carried out. Collaboration is practiced only at the individual faculty level and the institution is planning to sign MoUs with other institutions to foster collaborative research and facilitate sharing of faculty and resources.

**Criterion IV: Infrastructure and Learning Resources**

The College has a clean and beautiful campus which spreads across 25 acres of land covered with green shady trees and lush vegetation. The College has excellent infrastructural facilities which include adequate number of classrooms, laboratories, library, faculty rooms, halls, auditorium, play grounds, botanical garden, hostels and staff quarters. The College has a policy of creating and upgrading physical and ICT-related infrastructure to meet the growing needs of

the institution. Since the last accreditation, a women's hostel with 80 bed-space has been completed with UGC assistance and the construction of a five-storeyed academic block is in progress of which three floors have already been completed.

The College library with more than 60,000 volumes and 2000 journals is the principal learning resource of the institution. The library is fully automated with KOHA, and author-wise and title-wise search is facilitated through OPAC. Subscription to N-List of INFLIBNET provides access to more than 6000 journals and 90,000 e-books. The library which has separate sections for book bank and competitive examinations is equipped with reprographic and internet facilities.

There are about 250 computer systems in the College and the computers in the departments, offices and labs are connected to LAN with internet connectivity. Wi-Fi facility is available in five departments and offices. There are sufficient numbers of UPSs for ensuring power back up. Generators are also installed to ensure uninterrupted power supply on the campus.

Turfed football ground, 8-lane 400 metres stadium, sports pavilion, multi-gymnasium, basketball court, volleyball court and badminton courts provide a good ambience for sports and games. The botanical garden with green house facility has a separate section for herbal plants.

The College has separate hostels for men and women while two other hostels adjacent to the campus run by nuns provide safe and comfortable accommodation to women students. Other infrastructural facilities on the campus include staff quarters, bank with ATM, canteen, post office and a co-operative store.

**Criterion V: Student Support and Progression**

The College takes sustained efforts in the area of student support so that academic excellence is ensured and the campus life is made more enriching. The facilities and programmes available to the students are published in the College handbook and the website. Student support activities of the College fall into three categories namely, 'academic', 'co-curricular' and 'career and placements'. The academic support consists of the tutorial system, remedial coaching, student-support-programme and Walk-with a Scholar programme. Support in co-curricular activities are extended by the Physical Education Department, the Fine Arts Club, the College Union, Departmental Associations, NCC, NSS and a number of Clubs and Forums functioning actively in the College. The Career, placement and Stress-related issues of the students are addressed by the Career Guidance Cell, the Counselling Centre, Students' Welfare Fund, Ragging Prevention Committee, Foreign Students Welfare Officer, Grievance Redressal Cell, Entrepreneurial Development Club and the Additional Skill Acquisition Programme (ASAP). Conducting class-wise PTA meetings in each semester is a unique practice of our

College which is extremely useful in sorting out the learning and other difficulties of the students. During the year 2014-15 a total of Rs. 55,20,000 was distributed as Central and State Scholarships to 332 students. Another 103 students were given financial support from the Students Welfare Fund operating in the College.

The total strength of the students for the academic year 2014-15 is 1782 of which 57.6% belongs to the SC, ST and OBC categories. Women students account for 65.3% of the total. Due to the organised and well co-ordinated efforts of the various support mechanisms available, the class dropout could be brought down to 3%. A good number of our UG students pursue PG programmes in the College and in other reputed institutions such as IITs and Central Universities. Most of the students studying in PG classes appear for various competitive examinations like UGC/ CSIR- NET/ JRF. During the last five years 122 students qualified the UGC/ CSIR- NET/ JRF examinations. The institution maintains a high pass percentage at UG and PG levels with 37 university ranks/positions since the last accreditation.

The democratically elected College Students Union plays a pivotal role in organising and executing the co-curricular activities of the College. The Union leads the sports and arts activities of the students. During the last five years five of our students took part in international sports/games competitions including the London Olympics (Mr. Irfan K. T, 20 Km Race-Walk, 10th position) and brought laurels to the nation. The College has been the champion/runner up at the zonal and university level arts festivals for the past several years. The College is committed to nurture the leadership qualities of the students through their involvement in the activities of the Students' Union and various clubs and forums. Students are given membership in various official bodies including IQAC, Library Advisory Committee and Ragging Prevention Committee.

**Criterion VI: Governance, Leadership and Management**

The College Management takes the leadership role in the effective implementation of the teaching-learning process and the student support programmes. The governance and management of the institution are essentially democratic and the leadership is participatory. The College frames its policies in tune with the stated vision and mission. The College has perspective planning for institutional development. The plans are discussed in the Governing Body and the College Council. The plan proposals are prepared annually and executed without delay. Since the College became autonomous in 2014, different statutory bodies such as the Governing Council, the Academic Council, the Boards of Studies and the Finance Committee were constituted. These bodies take the lead in the development of the curriculum and its effective implementation. The institution

has a mechanism to seek the feedback of different stakeholders namely students, parents and alumni.

The IQAC of the College is entrusted with the task of initiating and monitoring the quality enhancement strategies of the institution. The institution's quest for excellence was recognised by the UGC by granting us the status 'College with Potential for Excellence' (CPE) in 2010 and by conferring the status of Autonomy in 2014.

The Grievance Redressal Cell, Discipline Committee, Ragging Prevention Committee, Ethics Committee and Women's Welfare Council address the grievances of the students and ensure a hassle-free campus. The teachers are encouraged to equip themselves with the latest developments in their field of knowledge and in ICT-enabled and learner-centric pedagogies through orientation and refresher courses. Teachers are also encouraged to pursue research by availing FDP of UGC. Non-teaching staff are given training on campus automation software and office procedures.

The affiliating university has been very supportive in identifying the developmental needs of the College. The College Development Council of the University has also extended support to the College, acting as a link between the institution and the UGC.

The Devagiri College Employees' Co-operative Society has introduced many welfare schemes for the staff. It caters to the financial requirements of the staff by offering medium-term and short-term loans without any collateral security. Devagiri College Housing Tenancy Co-operative Society owns 14 staff quarters which are allotted to teaching and non-teaching staff.

The College draws up its annual budget by prioritizing the infrastructural and other requirements of the institution and makes the optimal use of its budgetary provisions. The major sources of finance for the College are the Government (Salary), UGC (Grants) and Students (fees). The Management also contributes towards the infrastructural requirements of the College. The institution is committed to comply with the Government guidelines in respect of collection and disbursement of funds. Strict financial discipline is ensured through regular internal and external audits.

**Criterion VII: Innovation and Best Practices**

St. Joseph's College, Devagiri, is very conscious and committed to the environmental issues and is proactive in the protection, conservation and sustenance of natural resources. The faculty and students are sensitized towards environmental issues through regular awareness programmes. Being eco-

conscious, the impact of the institution on its environment was assessed through a 'green audit' initiated by IQAC and executed by the *Bhoomithrasena*.

Energy conservation is treated as a priority area and all possible measures are adopted to ensure savings in energy consumption. In its pursuit for tapping non-conventional energy sources, the College has constructed a 10-KV solar power unit which meets the electricity requirements of the newly constructed block. The College has constructed two water tanks to harvest and hold rain water from the buildings. Carbon emissions on the campus is controlled by restricting entry of students' vehicles. Toxic and hazardous waste from the laboratories and the e-wastes are properly managed.

The institution's commitment towards excellence is evident from the various innovations brought after the last reaccreditation. Online admission, regular student feedback, remedial coaching, campus automation and the use of ICT in large measures are some of the new initiatives of the College. 'Lunch Time Concert', a regular platform for the student artists to perform, and 'Satsang', a spiritual discourse conducted in the men's hostel are practices unique to the College.

Blood donation, which is considered not just as an act of altruism but a process of social sensitisation has been institutionalised and developed into one of the best practice of the College.

The College, with a clear vision to emerge as an institution of higher learning with a difference is prepared to ceaselessly strive for excellence. The young men and women who progress out from this College will be leaders of social transformation, deeply rooted in values and working for the glory of God and the development of the Father land.

# SWOC ANALYSIS

| STRENGTHS | |
|---|---|
| • Brand name of the College<br>• Dedicated and highly qualified faculty<br>• Bright and disciplined students<br>• Proactive and visionary Management<br>• High demand ratio for all the programmes<br>• Tussle free campus<br>• Constantly impressive results in university examinations<br>• Excellent performance in UGC/CSIR-NET/JRF examinations<br>• *Mentoring with Parents*- Well structured mentoring and students support system<br>• Six research centers with well equipped laboratories | • Well stacked and automated Library<br>• State-of-art infrastructural facilities for sports and games<br>• Very active and supportive PTA and Alumni association<br>• DST/FIST recognition<br>• Hostels for men and women, and staff quarters<br>• College co-operative society for staff welfare<br>• Active and socially sensitized Blood Donors' Forum<br>• The feeling of oneness among the stakeholders-'the pervading spirit of Devagiri Family'. |

| WEAKNESS | |
|---|---|
| • Lack of interdisciplinary programmes<br>• Lesser initiatives towards MoU and collaborative research<br>• Lack of adequate entrepreneurship and skill development programmes<br>• Falling number of senior faculty members | |

| OPPORTUNITIES | CHALLENGES |
|---|---|
| • Academic flexibility on account of newly obtained academic autonomy<br>• Developing industry-academia partnership for training and development<br>• Vast and strategically located campus<br>• Faculty with international exposure with potential for multidisciplinary and interdisciplinary research<br>• More departments with the potential to be elevated as research centers | • Delay in sanctioning administrative posts<br>• Declining male enrolment<br>• Financial constraints for infrastructure and developmental requirements. |

# 1. PROFILE OF THE AUTONOMOUS COLLEGE

*1.* *Name and Address of the College*

| | | |
|---|---|---|
| **Name** | : | ST. JOSEPH'S COLLEGE, DEVAGIRI |
| **Address** | : | Devagiri, Medical College P.O. |
| | | Kozhikode     **PIN**   :   673008 |
| **City** | : | Kozhikode    **State** :   Kerala |
| **Website** | : | www.devagiricollege.org |

*2.* *For communication*

| Name | Contact Details | Fax |
|---|---|---|
| **Principal** | | |
| Dr. Sibichen M. Thomas | Office : 0495-2355828<br>Residence: 0495-2359528<br>Mobile: 9387476646<br>Email : sibithomasm@yahoo.co.in | 0495-2355828 |
| **Vice Principal** | | |
| Fr. Anto N. J. | Office : 0495-2355901<br>Residence:0495-2355134<br>Mobile: 9605254544<br>Email : antodevagiri79@gmail.com | 0495-2355828 |
| **Steering Committee Co-ordinator** | | |
| Dr. M.K. Baby | Residence: 0495-2380716<br>Mobile: 9847422340<br>Email : babymkdevagiri@gmail.com | 0495-2355828 |

*3.* *Status of the Autonomous College by management*
   *i.* *Government*                       :
   *ii.* *Private*                            :   ✓
   *iii.* *Constituent College of the University*   :

*4.* *Name of University to which the College is*
   *Affiliated*                               :    University of Calicut

5. a. *Date of establishment, prior to the*
   *grant of 'Autonomy'* : 01/01/1956

   b. *Date of grant of 'Autonomy' to the*
   *College by UGC* : 01/06/2014

6. *Type of Institution* :
   a. *By Gender* :
   - I. *For Men* :
   - II. *For Women* :
   - III. *Co-education* : ✓

   b. *By Shift*
   - I. *Regular* : ✓
   - II. *Day* :
   - III. *Evening* :

   c. *Source of funding*
   - I. *Government* :
   - II. *Grant-in-aid* : ✓
   - III. *Self-financing* : ✓
   - IV. *Any other (specify)* :

7. *It is a recognized minority institution?* : Yes, Religious Minority
   ANNEXURE –I

8. a. *Details of UGC recognition* :

| Under Section | Date, Month & Year | Remarks(If any) |
|---|---|---|
| i. 2 (f) | 09/03/1958 | ANNEXURE –II |
| ii. 12 (B) | 01/01/1959 | ANNEXURE –III |

   b. *Details of recognition/approval by*
   *statutory/regulatory bodies other than UGC* : Nil

9. *Has the college recognized*
   a. *By UGC as a College with Potential*
   *for Excellence (CPE)?* : Yes
   *If yes, date of recognition* : 18/03/2010
   b. *For its contributions / performance by*
   *any other governmental agency?* : No

| 10. | *Location of the campus and area Location* | **:** | Urban |
| | *Campus area in sq. mts. or acres* | **:** | 24.37 acres |
| | *Built up area in sq.mts.* | **:** | 17431 sq.mts |

11. *Does the College have the following facilities on the campus:*

- *Auditorium/seminar complex* : Yes
- *Sports facilities*
  - *Play ground* : Yes
  - *Swimming pool* : No
  - *Gymnasium* : Yes
- *Hostel*
  - *Boys' hostels* : Yes
  - *Girls' hostels* : Yes
- *Residential facilities*
  - *for teaching staff* : Yes
  - *for non teaching staff* : Yes
- *Cafeteria* : Yes
- *Health centre*
  - *First aid facility* : Yes
  - *Inpatient facility* : No
  - *Ambulance facility* : No
  - *Outpatient facility* : No
  - *Emergency care facility* : No
  - *Health centre staff* : No
  - *Qualified doctor* Full time    Part-time ✓
  - *Qualified Nurse* Full time    Part-time
- *Other facilities* :
  - *Bank* : Yes
  - *ATM* : Yes
  - *post office* : Yes
  - *book shops* : Yes
- *Transport facilities*
  - *for students* : No
  - *for staff* : No
- *Power house* : Yes
- *Waste management facility* : Yes

## 12. *Details of programmes offered by the institution:*

| Programme Level | Sl. No | Name of the Programme / Course | Duration (Years) | Entry Qualification | Medium of Instruction | Sanctioned Student intake | No. of Students admitted |
|---|---|---|---|---|---|---|---|
| UG | 1 | BA English | 3 | Plus Two | English | 40 | 40 |
| | 2 | BA Economics | 3 | Plus Two | English | 60 | 60 |
| | 3 | B.Sc Mathematics | 3 | Plus Two | English | 50 | 50 |
| | 4 | B.Sc Physics | 3 | Plus Two | English | 48 | 48 |
| | 5 | B.Sc Chemistry | 3 | Plus Two | English | 48 | 48 |
| | 6 | B.Sc Botany | 3 | Plus Two | English | 36 | 34 |
| | 7 | B.Sc Zoology | 3 | Plus Two | English | 36 | 36 |
| | 8 | B.Sc Psychology | 3 | Plus Two | English | 24 | 24 |
| | 9 | B.Com (Finance) | 3 | Plus Two | English | 60 | 60 |
| | 10 | BBA | 3 | Plus Two | English | 30 | 30 |
| | 11 | BCA | 3 | Plus Two | English | 24 | 23 |
| | 12 | B.Sc Computer Science | 3 | Plus Two | English | 24 | 23 |
| | 13 | B.Com (CA) | 3 | Plus Two | English | 40 | 39 |
| | 14 | BA Functional English | 3 | Plus Two | English | 24 | 22 |
| | 15 | BA Mass Communication | 3 | Plus Two | English | 40 | 38 |
| PG | 16 | MA Economics | 2 | Degree | English | 20 | 20 |
| | 17 | MA English | 2 | Degree | English | 20 | 20 |
| | 18 | M.Sc Mathematics | 2 | Degree | English | 20 | 21 |
| | 19 | M.Sc Physics | 2 | Degree | English | 12 | 12 |
| | 20 | M.Sc Chemistry | 2 | Degree | English | 12 | 12 |
| | 21 | M.Sc Botany | 2 | Degree | English | 10 | 11 |
| | 22 | M.Sc Zoology | 2 | Degree | English | 12 | 12 |
| | 23 | M.Com | 2 | Degree | English | 20 | 20 |
| | 24 | MA Malayalam | 2 | Degree | Malayalam | 20 | 20 |
| | 25 | M.Sc Statistics | 2 | Degree | English | 12 | 11 |
| | 26 | MSW | 2 | Degree | English | 20 | 19 |
| Ph. D. | 25 | English | 3 – 5 | MA English | English | | 7 |
| | 26 | Chemistry | 3 – 5 | M.Sc Chemistry | English | | 1 |
| | 27 | Mathematics | 3 – 5 | M.Sc Mathematics | English | | 3 |
| | 28 | Botany | 3 – 5 | M.Sc Botany | English | | 1 |
| | 29 | Zoology | 3 – 5 | M.Sc Zoology | English | | 9 |

**13. Does the institution offer self-financed Programmes?**

Yes ☑    No ☐

If yes, how many?    8

**14. Whether new programmes have been introduced during the last five years?**

Yes ☑    No ☐

If yes, Number    8

**15. List the departments:**

| Particulars | Number | Number of Students |
|---|---|---|
| Science | | |
| Under Graduate | 8 | 817 |
| Post Graduate | 6 | 154 |
| Research centre(s) | 4 | 15 |
| Arts | | |
| Under Graduate | 4 | 358 |
| Post Graduate | 3 | 101 |
| Research centre(s) | 1 | 7 |
| Commerce | | |
| Under Graduate | 2 | 260 |
| Post Graduate | 1 | 40 |
| Research centre(s) | - | - |
| Any Other (MSW, BBA) | 2 | - |
| Under Graduate | 1 | 92 |
| Post Graduate | 1 | 39 |
| Research centre(s) | - | - |

**16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC?**    Nil

**17. Number of Programmes offered under**

a) **Annual system**    -

b) **Semester system**    26

c) **Trimester system**    -

**18. Number of Programmes with**

a) **Choice Based Credit System**    15

b) **Inter/Multidisciplinary Approach**    -

c) **Any other (specify)**    -

*19. Unit Cost of Education*

    *a) including the salary component*                   Rs. 58,329/-

    *b) excluding the salary component*                Rs. 697/-

*20. Does the College have a Department of Teacher Education offering NCTE recognized degree programmes in Education?*

| Yes | |
|-----|-----|
| No | ✔ |

    *If yes,*

    *a   How many years of standing does the department have? ………..*

    *b   NCTE recognition details) Notification No.:………………………*

    *c.   Is the department opting for assessment and accreditation separately?*

*21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?*

| Yes | |
|-----|-----|
| No | ✔ |

    *If yes,*

    *a.   How many years of standing does the department have? ……….*

    *b.   NCTE recognition details) Notification No.:……………………..*

    *c.   Is the department opting for assessment and accreditation separately?*

*22. Whether the College is offering professional programme?*

| Yes | | No | ✔ |
|-----|-----|-----|-----|

*23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.*

| Yes | | No | ✔ |
|-----|-----|-----|-----|

*24.   Number of teaching and non-teaching positions in the College*

| Positions | | Teaching faculty | | | Non-teaching staff | Technical Staff |
|-----------|---|-----------|----------------------|---------------------|--------|--------|
| | | Professor | Associate Professor | Assistant Professor | | |
| Sanctioned by the UGC / University /State Government | | -- | 32 | 45 | 16 | 12 |
| Recruited | Male | -- | 32 | 24 | 15 | 11 |
| | Female | -- | -- | 16 | 0 | 1 |
| Yet to recruit | | -- | -- | 5 | 1 | 0 |
| Sanctioned by the Management/society or other authorized bodies | | -- | 1 | 32 | 24 | 1 |
| | Male | -- | 1 | 7 | 14 | 1 |
| Recruited | Female | -- | -- | 25 | 10 | 0 |
| Yet to recruit | | -- | -- | -- | -- | -- |

### 25. *Qualifications of the Teaching staff*

| Highest qualification | Professor Male | Professor Female | Associate Male | Associate Female | Assistant Male | Assistant Female | Total |
|---|---|---|---|---|---|---|---|
| Permanent Teachers | | | | | | | |
| PhD. | - | - | 25 | - | 8 | 7 | 40 |
| M. Phil. | - | - | 5 | - | 4 | 2 | 11 |
| PG | - | - | 2 | - | 12 | 7 | 21 |
| Temporary teachers | | | | | | | |
| PhD. | - | - | - | - | - | - | - |
| M. Phil. | - | - | - | - | 1 | 3 | 4 |
| PG | - | - | 1 | - | 6 | 22 | 29 |
| Part-time teachers | | | | | | | |
| PhD. | - | - | 2 | 1 | - | 1 | 4 |
| M. Phil. | - | - | - | - | 1 | 1 | 2 |
| PG | - | - | - | - | 3 | 5 | 8 |

### 26. *Number of Visiting Faculty engaged by the College*  2

### 27. *Student enrolled in the college during the current academic year, with the following details*

| Students | UG M | UG F | PG M | PG F | Integrated Masters M | Integrated Masters F | M. Phil M | M. Phil F | PhD. M | PhD. F |
|---|---|---|---|---|---|---|---|---|---|---|
| From the state where the College is located | 198 | 378 | 33 | 136 | - | - | - | - | - | - |
| From other states of India | 3 | 1 | 1 | - | - | - | - | - | - | - |
| NRI students | - | - | - | - | - | - | - | - | - | - |
| Foreign Students | 9 | - | - | - | - | - | - | - | - | - |
| Total | 210 | 379 | 34 | 136 | - | - | - | - | - | - |

### 28. *Dropout rate in UG and PG (%)*  | *UG* | *2.8* | *PG* | *2.7* |

### 29. *Number of working days during the last academic year*  *196*

### 30. *Number of teaching days during the last academic year*  *182*

*31. **Is the College registered as a study centre for offering distance education programmes for any University?***

| Yes | ✓ |
|-----|---|
| No  |   |

*If yes, provide the*

a. ***Name of the University***          :   University of Calicut

b. ***Is it recognized by the Distance Education Council?***    :   Yes

c. ***Indicate the number of programmes offered***   :   10 programmes

*32. **Provide Teacher-student ratio for each of the programme /course offered***

| Programme Level | Name of the Programme / Course | Sanctioned /Approved Student intake | Teacher - student ratio |
|---|---|---|---|
| UG | BA English | 40 | 1:26 |
| | BA Economics | 60 | 1:40 |
| | B.Sc Mathematics | 50 | 1:32 |
| | B.Sc Physics | 48 | 1:32 |
| | B.Sc Chemistry | 48 | 1:32 |
| | B.Sc Botany | 36 | 1:23 |
| | B.Sc Zoology | 36 | 1:24 |
| | B.Sc Psychology | 24 | 1:24 |
| | B.Com (Finance) | 60 | 1:40 |
| | BBA | 30 | 1:26 |
| | BCA | 24 | 1:26 |
| | B.Sc Computer Science | 24 | 1:22 |
| | B.Com (CA) | 40 | 1:32 |
| | BA Functional English | 24 | 1:23 |
| | BA Mass Communication | 40 | 1:24 |
| PG | MA Economics | 20 | 1:8 |
| | MA English | 20 | 1:8 |
| | M.Sc Mathematics | 20 | 1:8 |
| | M.Sc Physics | 12 | 1:6 |
| | M.Sc Chemistry | 12 | 1:6 |
| | M.Sc Botany | 10 | 1:6 |
| | M.Sc Zoology | 12 | 1:6 |
| | M.Com | 20 | 1:8 |
| | MA Malayalam | 20 | 1:8 |
| | M.Sc Statistics | 12 | 1:6 |
| | MSW | 20 | 1:8 |

*33. Is the College applying for?*

*Accreditation:*     *Cycle 1* [ ]     *Cycle 2* [ ]     *Cycle 3* [✓]  *Cycle 4* [ ]

*Re-Assessment* [ ]

*34. Date of accreditation*

*Cycle 1:* 03/05/2004 at 'A' level, a score of 88.15% **-** ANNEXURE IV &V

*Cycle 2:* 08/01/2011 at 'A' Level, CGPA 3.63 out of 4 **-** ANNEXURE VI & VII

*35. a.   Date of establishment of IQAC:* 1/11/2004

 *b.   Dates of submission of Annual Quality Assurance Reports.*

  (i)   AQAR for year 2011-12 on 26 /09/2012

  (ii)  AQAR for year 2012-13 on 04/10/2013

  (iii) AQAR for year 2013-14 on 10/09/2015

  (iv) AQAR for year 2014-15 on 03/12/2015

# 2. CRITERIA-WISE INPUTS

## CRITERION I: CURRICULAR ASPECTS

St. Joseph's College, Devagiri, Calicut is an institution of higher education in Kerala established in 1956 by the Carmelites of Mary Immaculate (CMI), the first indigenous but now international religious congregation. The founder of CMI congregation, St. Kuriakose Elias Chavara (1805-1871) was a great visionary who walked ahead of his times. St. Chavara who was a true social reformer, revolutionized the educational scenario of this part of the country by starting the first Sanskrit school in Kerala and by insisting that at least one free school be attached to every parish church. True to the vision of the founding father, St. Joseph's College, Devagiri is committed to transforming its students into leaders who are socially conscious, intellectually competent, spiritually enlightened, morally upright, psychologically integrated and physically healthy, and who can be agents of social reformation.

## 1.1  Curriculum Design and Development

Curriculum is the core of the educational process and the learning experience of the students is determined by its currency, adequacy and relevance. The College has always tried to incorporate the mission and vision of the institution into the academic programmes in the form of projects, assignments and co-curricular activities. The recently obtained academic autonomy has provided the College with both flexibility and freedom to develop its own curriculum which can meet the requirements of the employers in particular, and the society in general, by a harmonious blend of the core values of higher education and the vision and the mission of the institution.

### 1.1.1  How are the institutional vision / mission reflected in the academic programmes of the College?

St. Joseph's College, Devagiri is driven by its motto, "*Pro Deo et Patria*" (For God and Country) which encapsulates the institution's vision and articulates its mission of pursuing truth and moral excellence on the one hand, and striving to build up a new India which is free from exploitation and social evils on the other.

For realizing the dream of an enlightened society, the institution transcends all religious and regional considerations and simultaneously accords preferential treatment to the poor and the marginalized.

**Our Vision**

The College fulfils the vision of CMI congregation of uplifting the poor and the less privileged sections of the society by orienting the rural education in Malabar

region of Kerala. The institution follows the vision given in the educational policy of the CMI Congregation.

- *We, the Carmelites of Mary Immaculate, after the example of our Founder St. Kuriakose Elias Chavara, consider education integral to the formation of the human person for the fulfilment of his/her individual and social responsibilities.*

- *Our educational endeavours aim at forming leaders who are intellectually competent, spiritually mature, morally upright, psychologically integrated, physically healthy and socially acceptable who will champion the cause of justice, love, truth and peace, and who are ever open to further growth.*

- *The secret of the success of our educational institutions is a community of teachers who are committed to their vocation, professionally competent, morally upright, just and humane in dealings, and who grow in the true vision of education.*

- *We aspire towards creating a just and humane society where dignity of the human person is respected, where unjust social structures are challenged, where our cultural heritage of ahimsa, religious harmony, and national integration is upheld, and where the poor and the marginalized are specially taken care of.*

- *We have to reach out to the families, primarily of the students, to assist them in their needs, to share in their joys and sorrows, and to help them experience love and freedom so that the students realize that our educational institutions are an extension of their homes.*

- *Our institutions are open to all students irrespective of caste and creed; they are accepted and cherished as they are, and are helped to grow in their cultural, social and religious traditions. As they are privileged to be in our institutions, they will also have the right to get acquainted with the person of Jesus Christ and His Gospel.*

- *Our institutions have to be open to society at large by making their resources available for the ongoing education and non-formal teaching.*

The vision statement of the College reflects its dream of inclusive development of the society with a preferential treatment of the poor and the marginalized.

**Our Mission**

- *To build up a community of staff and students committed to the common pursuit of truth and moral excellence.*

- *To help students to achieve self-discipline, cultivate good habits and become open to the Spirit.*

- *To train students in clarity of thought and accuracy of expression and develop in them leadership qualities.*
- *To promote a healthy modern outlook among the students while drawing inspiration from our ancient cultural heritage and tradition.*
- *To become an instrument of social change and a force for integration among linguistic, religious, and caste groups and inspire young men and women to work for the eradication of social evils.*
- *To inculcate in the students a sense of responsibility to the nation, and encourage their creative involvement in the task of building up a new India, a country free from exploitation, injustice, ignorance, poverty and misery.*

The mission statement of the College reflects the institution's cherished dream of grooming our students into leaders with a modern outlook who draw inspiration from the nation's rich and ancient cultural heritage.

The vision and mission stated above are communicated to the students and other stake holders by displaying them in all the departments and at different locations like office, library, auditorium and seminar halls in the College. They are given in the College handbook and shown in the website. Further, deliberate efforts are made to orient the students in the institution's vision and mission by explaining them to the freshers on the occasion of the Induction Programme.

### 1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process.

Prior to obtaining academic autonomy, the College did not have any freedom to develop its own curriculum. Even so, efforts were made at the initiative of individual department to complement the curriculum through seminars, assignments, projects and other co-curricular activities, to fine-tune it to meet the requirements of the society and improve the employability of the students.

The process followed in the design and development of the curriculum now consists of both informal and formal mechanisms.

**Informal Mechanisms**

- Feedback collected from the students at the end of every academic programme help us to understand the areas where the existing curriculum fails to meet their expectations.
- Representatives of the industry in our Boards of Studies enlighten us on the current requirements of the employment market.
- The feedback collected from question paper setters, examiners and subject experts who visit the departments also expose us to the limitations of the existing curriculum.

- The feedback from the alumni, especially who pursued higher studies, is used in the assessment of the need for curriculum revision.
- Informal discussions are made by the faculty with the representatives of the industry and experts in the relevant field of knowledge.
- Through participation in refresher courses, seminars and workshops, the faculty gets exposure to recent developments in their concerned subject.
- The curricula of well known universities and autonomous colleges are studied thoroughly.
- The UGC guidelines are given top priority in the development of curriculum.

**Formal Mechanisms**

- The faculties of the respective departments are asked to prepare a draft syllabus on the basis of the need assessment conducted through the informal mechanism stated above.
- The developed curriculum is subjected to the review of Board of Studies, comprising faculty members, subject experts, industry representatives and a nominee of the affiliating university.
- The curriculum recommended by the Board of Studies is placed in the Academic Council for approval.
- The curriculum approved by the Academic Council is submitted to the affiliating university for ratification.
- The curriculum ratified by the affiliating university is then implemented.

**Fig 1.1 Mechanism for Curriculum Development**
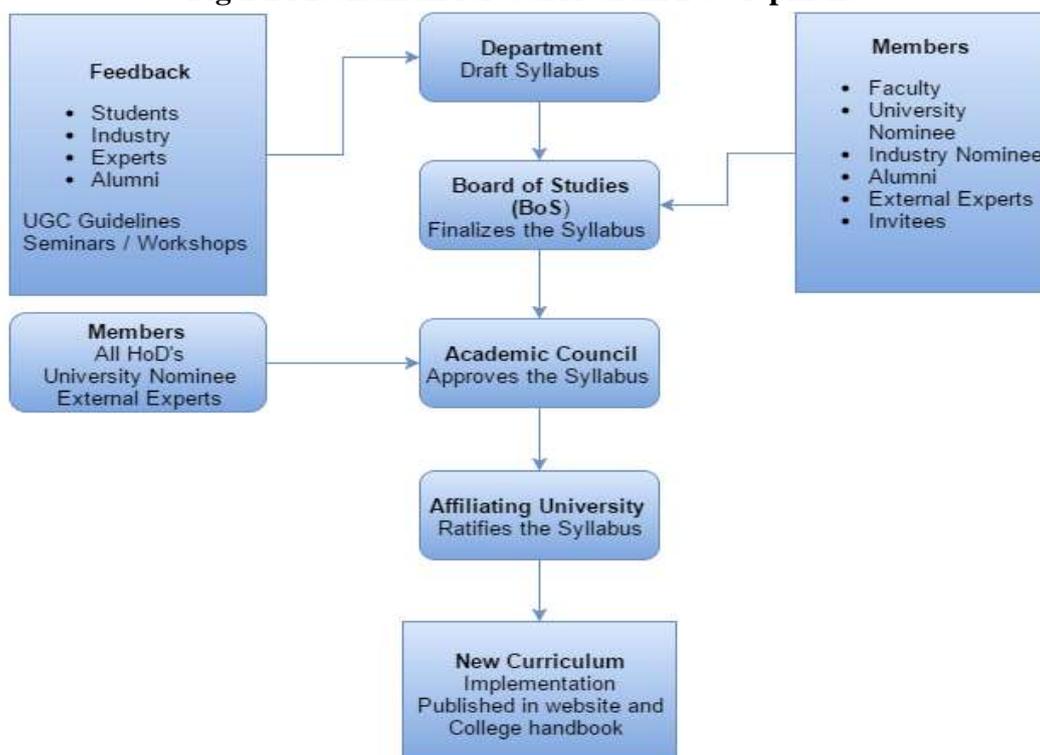
*1.1.3   How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?*

The College involves the experts from industry, research bodies and civil society in the curriculum design and development process through BoS and Academic Council. The presence of industry experts and renowned academicians from esteemed institutions help us frame the syllabus as per the placement requirements and to synchronize it with the current and emerging trends in the respective field of knowledge.

**Table No. 1.1**
**Details of Prominent Experts in BoS**

| Name | Designation | Address |
|---|---|---|
| Dr. G. Unnikrishnan | Prof. & Head | Dept. of Chemistry, NIT, Calicut |
| Dr. Abraham Joseph | Asst. Professor | Dept. of Chemistry, University of Calicut |
| Dr. Suneesh C.V. | Asst. Professor | Dept.  of Chemistry, University of Kerala |
| Mr. Tom Thomas K. | Executive Director | R&D Projects, CEAT Tyres, Mumbai |
| Dr. M. Sabu | Prof. of Botany | Dept. of Botany, University of  Calicut |
| Dr. Anu Agustine | Professor | Dept. of Biotechnology, Kannur University |
| Dr. Indira B. | Project Director | Kottackal Arya Vaidyasala, Malappuram |
| Dr. Joffi Thomas | Associate Professor | Marketing Management, IIM-Kozhikode |
| Dr. Saji Gopinath | Dean | IIM–Kozhikode |
| Dr. P.T. Raveendran | Professor | School of Management, Kannur University |
| Dr. Satheesh E. K. | Associate Professor & Head | Dept. of Commerce & Management Studies, University of Calicut |
| Mr. Alex Babu | CEO | Hedge Equities, Kaloor, Kochi |
| Dr. Subhash K. B. | Professor | Dept. of Commerce, Goa University |
| Dr. Abdul Salim A. | Professor | Dept. of Economics, University of Kerala |
| Dr. Vijaya Mohanan Pillai | Fellow | Centre for Development Studies, Ulloor, Trivandrum |
| Mr.P.V Gangadharan | Managing Director | KTC Group of Companies, Kozhikode |
| Sri. Noushad K. | Manager | Mathrubhumi Books,Calicut |
| Dr. P.P. Raveendran | Prof. Emeritus | Mahathma Gandhi University, Kottayam |
| Mr. K.F. George | Sub-Editor | Malayala Manorama, Calicut |
| Mr. Lal Mohan | Assistant Professor | Malayalam University, Thunjanparambu |
| Dr.Vijayarajan A. K. | Associate Professor | Kerala School of Mathematics, Kozhikode |
| Dr. M. Manoharan | Prof. & Head | Dept. of Statistics, University of Calicut |
| Dr. C. Chandran | Professor | Dept. of Statistics, University of Calicut |

| Mr. Gireesh Babu | Finance Manager | P K Steel Casting, Kozhikode |
|---|---|---|
| Dr. Fr. Prasanth Palakkappallil | Associate Professor | Principal, S.H. College, Thevara |
| Dr. Sakeer Hussain V.P. | Deputy Director | Department of Physical Education, University of Calicut |
| Dr. C. Jayan | Prof. &Head | Dept. of Psychology, University of Calicut |
| Ms. Suja | Clinical Psychologist | IMHANS, Kozhikode |
| Fr. Joy James | Convener | Kerala State Child Line Forum |
| Dr. Antony Joseph | Prof. & Head | Dept. of Physics, University of Calicut |
| Dr. Vincent Mathew | Prof. & Head | Department of Physics, Kerala Central University Kasaragod |
| Dr. Ramesh Babu | Professor | Department of Physics, CUSAT |
| Mr. George Jacob | Chief Executive | Cochin Refineries (CRBL) Ambalamugal |
| Dr. Janarthanan S. | Associate Professor | Dept of Zoology, University of Madras |
| Dr. A.J. Solomon Raju | Professor | Dept. of Envt. Sciences, Andhra University Visakapatanam |
| Dr. Kannan V.M. | Professor | Dept. of Zoology, University of Calicut |
| Dr. A. John Peter | Chairman & MD | Varsha Bioscience & Biotechnology Pvt. Ltd., Hyderabad |
| Dr. Sureshan P.M. | Officer-in-charge | Zoological Survey of India, Calicut |

Academic experts from different disciplines highlight the current areas of importance in their specific fields while deliberating in seminars and invited talks. The departments take note of them and incorporate such emerging topics into the curriculum.

### 1.1.4  How are the following aspects ensured through curriculum design and development?

- *Employability*
- *Innovation*
- *Research aspects*

The College believes that education should enhance the employability of the students, promote the spirit of innovation in them and orient them towards research. Hence, employability, innovation and research aspects are given due considerations while designing and developing the curriculum. Some of the important initiatives of the College in this respect are the following:

- **Employability:**

The College is committed to regularly update the curriculum with due regard to the requirements of the employment market.

- Gaining competitiveness at the national level examinations is given due consideration in the process of curriculum development. This is expected to further improve the performance of our students in competitive examinations like UGC-NET/JRF, CSIR–NET/JRF and GATE.
- The facility to do projects in industrial /commercial establishments.
- Frequent industrial visits expose the students to the work environment of industrial establishments.

The Career Guidance Cell of the College organizes training in soft-skills and communicative English, two major determinants of employability. Introduction of multi-disciplinary courses under the Choice Based Credit and Semester System (CBCSS), and teaching accounting packages such as Tally and Wings in B.Com Programme add to the employability of the students.

- **Innovation**

The process of curriculum design gives impetus to innovation through student projects and assignments, academic fests, exhibitions etc. The College emphasises on technological upgradations to promote teaching innovations.

- **Research**

The College has a Research Advisory Committee to promote research culture among the faculty and students. Six of our departments are recognized research centers of the University of Calicut. Projects are made part of the curriculum at UG and PG levels. Research Methodology is one of the courses offered in the PG syllabi of Commerce and Social Work, while a few modules on Research Methodology have been included in the syllabi of other UG and PG Programmes. PG students of the Departments of Commerce, Economics and Social Work are given training in computerized data analysis using SPSS, E Views and MATLAB. A number of research oriented seminars, workshops and conferences were also conducted. Further, the College publishes two research journals — *Devagiri Journal of Science*, an international science journal and *Advanced Social Work Journal* – to promote the research activities of the staff and the students.

*1.1.5 How does the College ensure that the curriculum developed addresses the needs of the society and have relevance to the regional/national developmental needs?*

The College ensures that the curriculum developed addresses the needs of the society and has relevance to the regional requirements. Project works undertaken

by the students as part of the curriculum are designed taking into consideration the needs of the society and the requirements of the local community. Students of the Social Work Department are actively engaged in social activities such as village adoption, health surveys, human rights and women empowerment programmes.

The NSS units of the College conduct seven-day Special Camp every year which enables our students to get acquainted with the developmental process of the rural community. Compulsory Social Service (CSS) for a period of 15 days is made mandatory for the successful completion of the undergraduate programmes. CSS helps to sensitize the students to social and environmental issues. The College has an actively functioning Blood Donors' Forum which conducts blood-grouping camps and publishes Blood Group Directory every year. Students are enrolled as donors and they donate blood regularly to the needy and poor patients. On an average every year 400 patients in Government Medical College and other hospitals in Calicut city get the benefit of this forum. Blood donation is inculcated as a value in our institution.

### 1.1.6 To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?

The College ensures that the guidelines of the UGC, State Government and the affiliating university are followed while designing and restructuring any curriculum. The Choice-Based Credit and Semester System (CBCSS) is followed in all the UG programmes while the PG programmes are run under the Credit and Semester System (CSS).

### 1.2    Academic Flexibility

Academic flexibility is essential to make the learning process more student-centric and enriching experience to the students. St. Joseph's College, Devagiri, which was an affiliated College till 2013-14, had only limited flexibility in offering courses and permitting lateral and vertical mobility to students. Still the College offered certain options to students enabling them to choose from a set of electives.

### 1.2.1 Give details on the following provisions with reference to academic flexibility.

**a. Core / Elective options**

   At the time of admission students are counselled and helped in choosing the

electives in accordance with their aptitude and career aspirations. Students are given the freedom to choose the language and optional papers of study. The College offers two B.Com programmes, one with Finance and the other with Computer Applications as the domain of specialisation. Students who are opting for UG Programme in English can choose between Literature and Functional English as the option. The CBCSS introduced by the affiliating university at the UG Level permits students to acquire credits by doing an open course offered by any department other than the student's parent department.

**Table 1.2**
**Open Courses for the UG Programme**

| Name of the Department | Open Courses offered |
|---|---|
| Economics | International Trade and Finance |
| English | Film Studies |
| Mathematics | Mathematics for Natural Sciences |
| Physics | Non-Conventional Energy Resources |
| Chemistry | Chemistry in Everyday Life |
| Botany | Horticulture and Nursery Management |
| Zoology | Human Health & Sex Education |
| Commerce (Finance) | Basic Accounting |
| Psychology | Psychology and Personality Growth |
| Commerce(CA) | Basics of Entrepreneurship and Management |
| Business Administration | E-Commerce Management |
| Computer Application | Introduction to Web Designing |
| Computer Science | Internet Programming |
| Mass Communication | Newspaper Journalism |
| Functional English | English for Business Communication |
| Physical Education | Physical Activities, Health and Wellness |

The Complementary and Open Courses introduced under the CBCSS make our UG programmes interdisciplinary contributing positively to our initiatives for employability enhancement. The College offers French as one of the Common Courses at the UG level with a view to enhancing the mobility of students to employment markets of non-English speaking regions.

The Department of Social Work offers domain-specific electives in "Medical and Psychiatric Social work", "Rural and Urban Community Development" and "Family and Child Welfare."

**b. Enrichment Courses**

Fr. Benet Kurian Memorial Computer Lab attached to the Department of Commerce offers a six month Certificate Course in Computerized Accounting Packages, Tally and Wings.

**c. Courses offered in modular form**

At present no course is offered in modular form.

**d. Credit transfer and accumulation facility**

UG programmes offered by the College are for 120 credits while the total credit for a PG programme is 72 or 80. Students of UG and PG programmes have to complete the required credits in six semesters and four semesters, respectively. Students from other colleges are given direct entry to the third and fifth semesters conforming to the guidelines of the affiliating university and permitting the students to retain and transfer the credits they have already acquired.

**e. Lateral and vertical mobility within and across programmes and courses**

- Lateral mobility in the UG courses is ensured through the Open Courses of the CBCSS. A student of any department in the V semester can opt for an Open Course of two credits from any other department cutting across academic disciplines.

- Vertical mobility of the students is permitted in the Departments of English, Economics, Malayalam, Statistics and Social Work. While graduates from any discipline are permitted to do PG in English and Social Work, students who have studied Malayalam as a Common Course at the UG level are allowed to pursue the Post Graduate programme in Malayalam. Students who have done their UG programme in Mathematics are also admitted to MA Economics and M.Sc Statistics programmes.

*1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If 'no', explain the impediments.*

- The College does not offer any course specifically targeting international students.

- The courses are designed keeping global requirements in mind.

- International students can opt for French or Urudu as the second language. Some of the UG programmes attract international students.

- The College had student enrolment from a number of countries like Kenya, Yemen, Nepal and Afghanistan.

**Table 1.3**
**International Students Enrolment**

| Year | No. of International students Admitted | Academic Programme |
|------|------|------|
| 2010-11 | 6 | 4-B.Com Finance, 2-BA Economics |
| 2011-12 | NIL | NIL |
| 2012-13 | 2 | 2- BBA |
| 2013-14 | NIL | NIL |
| 2014-15 | NIL | NIL |
| 2015-16 | 9 | 3-B.Com (Finance),  1-BA Economics, 5-B.Sc Computer Science |

At present there are nine students from Afghanistan, three in the Department of Commerce, one in the Department of Economics and five in the Department of Computer Science.

*1.2.3   Does the College offer dual degree and twinning programmes? If yes, give details.*

At present no dual degree or twinning programmes is offered by the College.

*1.2.4   Does the College offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?*

The College offers six UG and two PG programmes as self-financing courses.

**UG programmes:**
- BBA (2012)
- BCA(2012)
- B.Sc Computer Science (2012)
- B.Com with Computer Applications (2013)
- B.A Functional English (2014)
- B.A Mass Communication (2014)

**PG Programmes:**
- MSW (2003)
- M.Sc Statistics (2003)

**Admission Policy**: The admissions to all the self financing programmes are made as per the eligibility norms specified by the affiliating university and adhering to the reservation policy of the Government of Kerala. In self financing programmes, 50% of the total seats are set aside as management quota as against 20% in aided courses.

**Fee Structure**: The fees for the self financing programmes are also fixed by the government of Kerala and are higher than the fees of the aided programmes. Fee for B.Com with Computer Application, BBA, BCA and B.Sc Computer science amounts to Rs. 12,500 per semester and an addition of Rs.565 per year as special fees.

**Teacher Qualification**: The staff qualifications are generally at par with that of the aided programmes. However, in the event of non-availability of NET/PhD holders, candidates with PG degree in the relevant discipline are also appointed.

**Salary**: There are separate salary structures for the faculty appointed for aided and self-financing programmes. Aided staff members are paid as per UGC scale of pay, while faculty for the self-financing courses is paid by the management in accordance with the scale of pay fixed by the management. Teacher salary ranges from Rs.15,000 – 20,000 per month.

### 1.2.5 Has the College adopted the Choice-Based Credit System (CBCS)? If yes, how many programmes are covered under the system?

The affiliating university introduced the Choice-Based Credit Semester System (CBCSS) for all the UG programmes in 2009-10. The College has adopted CBCSS in all the fifteen UG programmes offered.

### 1.2.6 What percentage of programmes offered by the College follows:

- *Annual system*
- *Semester system*
- *Tri-semester system*

All the aided and self-financing programmes – both UG and PG – follow semester system. However, the Certificate Course offered by the Department of Commerce runs on an annual system.

### 1.2.7 What is the policy of the College to promote inter-disciplinary programmes? Name the programmes and what is the outcome?

The College pursues a policy of promoting inter-disciplinary programmes. In the CBCSS, each student at the UG level has to take two complementary courses offered by other departments during the first four semesters. During the fifth semester she/he will have to study an Open Course offered by another department.

## 1.3    Curriculum Enrichment

*1.3.1    How often is the curriculum of the College reviewed for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?*

- As it was an affiliated College till 2014, St. Joseph's College, Devagiri did not have any freedom in designing or reviewing the curriculum. The university follows the practice of revising the syllabi once in five years. As Chairman/members of various Boards of Studies, the faculty members of the College have contributed substantially to reviewing the syllabi of the UG and PG programmes of the affiliating university.

- Autonomy has provided the College with greater freedom to review the curriculum more often. Since then all the BoS have been keen in updating the syllabus by deleting obsolete topics and by including innovative and research oriented topics. The College intends to review the curriculum every three years to ensure that it meets the emerging needs of students and other stakeholders.

- While reviewing the syllabus attempts are made to link theory with emerging trends to make it more socially relevant and job-oriented. The Academic Council has directed the various BoS to fine-tune the curriculum of their PG Programmes with the syllabus for UGC NET/JRF examinations and other national level competitive examinations.

*1.3.2    How many new programmes have been introduced at UG and PG level during the last four years? Mention details.*

Seven UG programmes and one PG programme were introduced during the last four years. BBA, B.Com with Computer Application, BCA, B.Sc (Computer Science), B.Sc Psychology, B.A Functional English, B.A Mass Communication and MA Malayalam were the programmes introduced.

- Inter disciplinary: Nil
- Programmes in emerging areas: BA Mass Communication

*1.3.3    What are the strategies adopted for revision of the existing programmes? What percentage of courses underwent a major syllabus revision?*

The institution has thoroughly revised the curricula of all its existing UG programmes and implemented from 2015 admission. The revision of PG syllabus is in progress and proposed to be implemented from 2016 admission. The strategies adopted for the revision of the existing programmes are as follows:

- Adherence to the guidelines issued by the UGC and the affiliating university.
- Analyzing the feedback from students, alumni and other stakeholders.
- Adopting the recommendation of the Board of Studies and the Academic Council which have representatives of the industry and external experts as members.
- Considerations of optimum utilization of the facilities available in the College.
- Exploiting the potential of our faculty who are experts in various fields.
- Benchmarking with the syllabus of similar programmes offered by other reputed universities and institutes of national/international reputation.
- Incorporating the suggestions in the workshops organized by the departments prior to curriculum revision.

### 1.3.4  *What are the value-added courses offered by the College and how does the College ensure that all students have access to them?*

- The Department of Commerce offers a six months' Certificate Course of Computerized Accounting Packages, namely, Tally and Wings.
- The Economics Department gives training to PG students in research methodology in computerized data analysis softwares like EViews, Gretl, MegaStat and Ms-Excel.
- The Social Work Department organizes workshops on Perspective Development, Transactional Analysis, Participatory Rural Appraisal and Training of Trainers on Child Abuse.

These courses and programmes are open to all the students of the college, thereby promoting lateral mobility and inter-disciplinary integration.

### 1.3.5  *Has the College introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?*

No. Higher order skill development programmes as outlined by the National Skills Development Corporation are yet to be introduced in the College.

### 1.4  Feedback System
### 1.4.1  *Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?*

The College relies on a formal mechanism to obtain feedback from the students on curriculum and utilizes the same effectively in the improvement of our

academic programmes. The IQAC has developed a structured questionnaire with which the Departments collect the feedback from the students, which are then analysed and the results are discussed on common platforms like College Council and Staff meetings. The different Departments make use of the students' feedback for curriculum restructuring.

### 1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.

Yes. Some of our departments elicit feedback on the curriculum from national faculty through webinar and forum discussions. Certain departments obtain feedback on the syllabus from the alumni, working within the country and abroad, who are experts in their respective fields.

- Eminent Professors from esteemed institutions are members of the BoS. Their valuable suggestions are considered for finalizing the UG and PG syllabus.
- Whenever, eminent scholars visit our institution we refer our curriculum to them and obtain their observations on the same.

### 1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.

- When the College had to frame its own curriculum on obtaining autonomy in 2014, feedback on curriculum enrichment was elicited from prominent industrialists and alumni of the College through consultations, meetings and discussions.
- BoS of every department has experts from divergent fields as its members. They give their feedback on existing syllabus which is used for curriculum enrichment.
- In the parent-teacher meetings, parents give their general observations and remarks about the need for enhancing certain soft skills of the students.
- Alumni working in industry and institutions of higher learning also give us their informal feedback on paying visit to the College.

### 1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring effective development of the curricula?

Quality sustenance and enhancement are given top priority to ensure effective development of the curricula. Following are some of the measures adopted by the

College in this respect.

- Constitution of the Board of Studies with experts from different fields.
- Deputing the faculty to orientation and refresher programmes.
- Encouraging faculty to apply for and take up major and minor projects.
- Conducting and taking part in seminars and workshops on emerging and frontier topics.
- Collecting Students' feedback on different parameters of the curriculum with well structured questionnaire.

## CRITERION II: TEACHING-LEARNING AND EVALUATION

Academic excellence in any institution for higher learning depends mainly on the effectiveness of teaching-learning and evaluation process. The teaching-learning process at St. Joseph's College, Devagiri, is consistent with the institution's vision and mission. The process seeks to promote learning through innovative and student-centric pedagogies and ensures holistic development of the students.

### 2.1 Student Enrolment and Profile

St. Joseph's College, Devagiri was established in 1956 with the dream of providing quality education to the rural and marginalized sections of the society in Malabar. The College strictly adheres to the government norms and the guidelines of the affiliating university in respect of eligibility and reservation.

### 2.1.1 *How does the College ensure publicity and transparency in the admission process?*

The College follows a very transparent process in admission to all its academic programmes. The College takes all efforts to ensure that the institution's admission notification reaches to all the prospective applicants.

**Publicity**: Being a well known College in the state of Kerala, it attracts students from across the state and outside. In addition to the reputation enjoyed, the institution makes use of the following measures to give wide publicity to its admission process.

- **The prospectus** which contains detailed information on the programmes and electives offered, eligibility criteria, number of seats available, reservation norms etc. is issued to all applicants.

- **The College Website**, www.devagiricollege.org, also provides detailed information on academic programmes, co-curricular activities, faculty profile and admission procedures.

- **Advertisement** in national newspapers in mother tongue and English.

- **College Notice Board**: The details of the admission process and procedure are displayed on the College notice board.

- **Press Meet**: The College also conducts press conferences to communicate the details of admission to the public.

**Transparency:** The College ensures transparency in its admission process through the following:

- Wide publicity of admission schedule

- Constitution of an Admission Committee with representatives of the faculty and administrative staff

- Well structured online admission process

- Publishing the rank lists of all eligible candidates applied with the index mark and criteria for selection

- Admission help desk for handling admission related queries

- Intimating the selection and admission status by post, phone call, SMS, email and website

- Preliminary interview is conducted by the respective departments

- Insisting the physical presence of the candidate with the parent before the Principal at the time of interview


*2.1.2   Explain in detail the process of admission put in place for UG, PG and PhD. programmes by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others) followed by the College?*

**UG and PG Programmes**

- The College has constituted an admission committee with a senior faculty member as the convener

- Till 2013-14 admissions to all the UG and PG programmes of the College was made by the affiliating university through a single window system called Common Admission Process (CAP)

- After obtaining autonomy the College has adopted online admission process for all the programmes

- The complete details of the programmes offered by the College and the admission schedule are published in the College website

- Students apply online to the programmes of their choice

- The applications obtained are scrutinized and rank lists to various programmes are prepared with the help of software

- Rank lists of all the applicants are published with the index marks and the formula for indexation on College website and College notice board
- Students are given sufficient time to register their complaints, if any, regarding the rank list
- The final rank list is published after redressing the grievances
- The selected candidates are intimated of their selection and interview schedule by the respective departments by phone call, SMS and e-mail

For MSW Programme admission is on the basis of the marks scored by the candidate in an entrance examination conducted by the College.

**PhD Programmes**

The affiliating university has prescribed the eligibility norm for admission to PhD programmes as

- UGC-CSIR JRF/GATE/ PhD Inspire Fellowship

<div align="center">or</div>

- Clearance in the Common Entrance Admission conducted by the affiliating university.

Candidates who satisfy either of the two eligibility norms are asked to submit a research proposal which is then scrutinized by a six-member Doctoral Committee including a nominee of the Vice Chancellor, an external expert, the supervising teacher and two PhD guides from the College as members and the Principal as the Chairman.

*2.1.3   Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?*

The College has a mechanism to review its admission process. When the admissions are over, a detailed review of the admission process is carried out by the Admission Committee and is placed before the College Council. The Admission Committee reviews the entire admission process such as applications received, preparation of the rank list, timely publication of the rank lists, adherence to the norms for eligibility and reservation, the difficulties faced by the candidates, if any, and the mechanism for the redressal of students' grievances.  The analysis indicates the areas requiring improvement and thus the admission process in the subsequent years can be made more efficient and student friendly.

*2.1.4   What are the strategies adopted to increase / improve access to students belonging to the following categories*
**SC/ST**
The College strictly follows the reservation policy of the Government of Kerala in the admission process.
- 15% of the total seats are reserved for candidates belonging to SC category and 5% to ST category.
- Repeated advertisements are given in newspapers in case of vacancy in SC/ST category.
- The College advances the amount of money to be incurred on food and accommodation of SC/ST students which will later be reimbursed by the Government.
- The College office has a separate section to deal with scholarships and other grants available for the SC/ST students.

**Women**
- The College does not provide any special reservation for women students.
- The decision to admit women students to the UG programmes was taken by the management in 2003.
- Since then, the ratio of female to male in admission has been around 2: 1.

**Table 2.1**
**Female-Male Ratio**

| Year | Ratio of female to male |
|---|---|
| 2011-12 | 2.5 : 1 |
| 2012-13 | 2.48 : 1 |
| 2013-14 | 1.93  : 1 |
| 2014-15 | 2.07 : 1 |

- In view of the increasing ratio of women students, the College has constructed a new hostel for women in 2014 with the financial support of the UGC and the Management.

**Different categories of persons with disabilities**
- Differently abled students are given due consideration in the admission process and one seat in every course is reserved for them as per the policy of the Government of Kerala.
- The College offers assistive education software (JAWS) for students who are visually challenged.

- The College provides service of scribes to students who are physically challenged but otherwise eligible, as per university norms.

**Economically weaker sections**

- Though the prevailing reservation norms do not provide any special reservation for the economically backward candidates, the College sets aside a certain percentage of the seats under the management quota for academically brilliant but economically weak candidates.

**Athletes and Sports persons**

- Applications of the meritorious sports persons are routed through the Department of Physical Education.
- The candidates are put through selection trials in the presence of expert coaches.
- Sports-certificates of candidates are verified and those with high achievement are admitted to different programmes.
- The College conducts summer camps for school students interested in various games so as to attract them to the College.
- The management waives the tuition fee of the sports persons who join self-financing programmes.
- The College provides free sports kits to sports persons with the financial support of PTA and management.
- The College has tie-up with the Calicut centre of Sports Authority of India (SAI) that directs state, national and international level achievers to the College.

**Achievers in co-curricular activities**

- The teacher-in-charge of Fine Arts Club of the College, with the help of senior student artists, identifies gifted artists who excel in various inter-school competitions, and invite them to join the College for UG programmes.
- Securing top position consistently in university level inter-collegiate arts festivals attract artists to the institutions.

*2.1.5   Furnish the number of students admitted in the College in the last four academic years.*

**Table 2.2**
**Profile of the Students Admitted**

| Categories | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|
| | M | F | M | F | M | F | M | F |
| **SC** | 25 | 48 | 31 | 60 | 37 | 59 | 32 | 61 |
| **ST** | 9 | 10 | 5 | 9 | 5 | 1 | 14 | 10 |
| **OBC** | 39 | 161 | 63 | 171 | 85 | 142 | 100 | 222 |
| **GENERAL** | 65 | 138 | 69 | 183 | 80 | 182 | 93 | 210 |
| **OTHERS** | 11 | 16 | 7 | 11 | 11 | 38 | 9 | 11 |
| **TOTAL** | 149 | 373 | 175 | 434 | 218 | 422 | 248 | 514 |

*2.1.6   Has the College conducted any analysis of demand ratio for the various programmes offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.*

The IQAC conducts an analysis of demand ratio for the different programmes offered by the College. The trends are analysed and necessary corrective measures are suggested to the Admission Committee.

**Table 2.3**
**Demand Ratio of UG Courses for the Last Four Years**

| Programmes | 2011-12 | | | 2012-13 | | | 2013-14 | 2014-15 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | No. of Applications | No. of students admitted | Demand ratio | No. of Applications | No. of students admitted | Demand ratio | | No of Applications | No. of students admitted | Demand ratio |
| BA Economics | 2212 | 57 | 37 | 2234 | 60 | 37 | | 7392 | 59 | 123 |
| BA English | 2037 | 42 | 51 | 2412 | 39 | 60 | CAP 2013-14 | 7314 | 40 | 183 |
| B.Sc Mathematics | 1670 | 44 | 33 | 1713 | 50 | 34 | | 4035 | 51 | 81 |
| B.Sc Physics | 1882 | 43 | 39 | 1950 | 47 | 41 | | 5346 | 48 | 111 |
| B.Sc Chemistry | 1812 | 46 | 38 | 1927 | 46 | 40 | | 5633 | 48 | 117 |
| B.Sc Botany | 1694 | 36 | 47 | 1733 | 35 | 48 | | 5577 | 37 | 155 |
| B.Sc Zoology | 1724 | 36 | 48 | 1765 | 32 | 49 | | 6049 | 35 | 168 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| B.Com (Finance) | 2813 | 61 | 47 | 2935 | 60 | 49 | | 9294 | 60 | 155 |
| BCA | Programme commenced in the year 2012-13 | | | 929 | 24 | 39 | | 1262 | 23 | 55 |
| B.Sc Computer Science | | | | 824 | 24 | 34 | | 1175 | 24 | 49 |
| BBA | | | | 965 | 32 | 30 | | 3271 | 30 | 109 |
| B.Com CA | Programme commenced in the year 2013-14 | | | | | | | 2238 | 40 | 56 |
| B.Sc Psychology | Programme commenced in the year 2014-15 | | | | | | | 616 | 24 | 26 |
| BA Functional English | | | | | | | | 86 | 22 | 4 |
| BA Mass Communication | | | | | | | | 124 | 39 | 3 |

**Table 2.4**

**Demand ratio of PG courses for the last four years**

| Programmes | 2011-12 & 2012-13 | 2013-14 | | | 2014-15 | | |
|---|---|---|---|---|---|---|---|
| | | No. of Applications | No. of students admitted | Demand ratio | No. of Applications | No. of students admitted | Demand ratio |
| MA Economics | Calicut University CAP | 217 | 20 | 11 | 185 | 20 | 9 |
| MA English | | 186 | 20 | 9 | 181 | 21 | 9 |
| M.Sc Mathematics | | 122 | 21 | 6 | 101 | 20 | 5 |
| M.Sc Physics | | 162 | 11 | 14 | 150 | 12 | 13 |
| M.Sc Chemistry | | 176 | 12 | 15 | 166 | 13 | 14 |
| M.Sc Botany | | 166 | 10 | 17 | 141 | 11 | 14 |
| M.Sc Zoology | | 178 | 10 | 15 | 145 | 13 | 12 |
| M.Com | | 222 | 20 | 11 | 207 | 20 | 10 |
| MSW | | NA | 19 | NA | NA | 20 | NA |
| M.Sc Statistics | | 30 | 9 | 3 | 28 | 12 | 2 |
| M.A. Malayalam | | NA | NA | NA | 159 | 20 | 8 |

The demand ratio for most of the programmes offered by the College has shown consistent increase. The B.Com programme of the College has been in very high demand, and it induced the Institution to launch an additional B.Com programme with Computer Application in 2013 in the self financing stream. UG programmes in English, Economics, Physics, Mathematics and Chemistry are also in high demand. Almost all the PG programmes of the College are also highly sought after.

**Reasons for Increase in demand**
- Impressive academic performance of students.
- Good performance of students in UGC-NET/JRF, CSIR, GATE and other competitive examinations.
- Discipline and good academic ambience.
- Good infrastructural facilities.
- Gradual shift in the preference of students towards traditional programmes like BA and B.Sc.

### 2.1.7 Was there an instance of the College discontinuing a programme during last four years? If yes, indicate the reasons.

Yes. Three Add-On Courses and various financial courses of the Institute of Chartered Accountants of India and the Institute of Cost and Works Accountants of India were discontinued for lack of sufficient applicants. MCA and MBA, off-campus programmes of the Mahatma Gandhi University, Kottayam, were also discontinued as per the policy of the affiliating university.

## 2.2 Catering to Student Diversity

### 2.2.1 Does the College organize orientation / induction programme for freshers? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes, the College organizes a well structured one-day orientation programme for all the freshers on the first day of entry into the College. The first session of the programme aims at orienting the newly admitted students on
- The vision and mission of the College
- College timings, discipline and ragging prevention
- Facilities available on the campus
- Examination system
- Criteria for internal assessment
- Co-curricular activities available (eg: NCC, NSS etc.)
- Clubs and forums in the college

The second session of the orientation programme, handled by an external expert, covers topics like
- Goal setting
- Attitude building
- Career planning

- Time management
- Life skills
- Academic options

On the day of Induction Programme, the history, tradition, achievements and all other relevant information about the College are presented before the students and their parents through a video presentation of half an hour duration.

Feedback of the students on each session is obtained with the objective of improving the programme in the subsequent years.

Various departments also organize orientation programmes for their freshers. The Department of Social Work organizes a one-week Induction Programme to sensitize their freshers to social issues and orient them on social work.

### 2.2.2 Does the College have a mechanism through which the "differential requirements of student population" are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

The students who join the College are from diverse economic, social and academic background. Hence it becomes imperative for the institution to analyze the differential requirement of the student population. After the admission, the head of the respective department along with the tutor of the first year UG class interacts with the students and their parents to identify the learning potential of the students and their talents in sports and fine arts. The students' proficiency in the English language is also assessed. This enables us to identify and address the major issues involved.

The College has effectively introduced Scholar Support Programme (SSP) for academically weak students and Walk With a Scholar (WWS) for brilliant students.

With the help of Student Welfare Fund (SWF) scholarships are provided to financially weaker students. Alumni Associations of various departments also support economically backward students who excel in academic field by offering scholarships on Merit-Cum-Means basis.

***2.2.3  Does the College provide bridge /Remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?***

The College takes all efforts to identify academically weaker students and to ensure that they catch up with the rest of the class. Slow learners and those who need additional inputs are identified by the Course Teachers and are offered remedial classes after the regular class hours, from 3.30 to 4.30 pm. and 32 of our faculty members are actively involved in remedial classes conducted with the financial assistance of UGC and record of such classes with the date, timings and the number of participants in each session is maintained in every department.

The effective functioning of the tutorial system enables the tutors to identify the specific learning disabilities of each ward.

Science departments conduct special practical sessions for students who are admitted late, so that they can catch up with the rest of the class.

***2.2.4  Has the College conducted a study on the incremental academic growth of different categories of students: student from disadvantaged sections of society, economically disadvantaged, physically challenged and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.***

The IQAC has conducted category-wise studies on the incremental academic growth of the students of UG and PG programmes. The performance of students belonging to SC and ST categories was below the College average and the instances of dropouts were comparatively higher. However, due to the special care given, the performance of the students of these categories has shown modest improvement in pass percentage and marks scored.

The College is run by CMI, a congregation of Catholic monks, whose special interest is to take care of and bring up the weaker sections of the society.  Hence the College gives special attention to students who are socially marginalized, economically less privileged, physically challenged and academically weak. The major initiatives of the College to ensure inclusive development are the following:

- The growth in academic performance of the students is tracked through the tutorial system. The marks of internal and end semester examination are recorded in the tutorial file and are continuously monitored.
- The results of semester examinations are discussed in the departmental meetings and the areas which need improvement are identified.

- Student feedback mechanism helps to identify the issues concerning students. Remedial courses are offered to slow learners.
- Class-wise PTA meeting in every semester is useful in building up a healthy rapport between the parent and teachers who can jointly monitor the academic progress of the student.
- Programmes like *Scholar Support Programme*, *Walk with a Scholar*, and personal guidance through tutorial sessions, career guidance coaching and soft skill development classes also ensure the academic and overall growth of students.
- The College counselling center offers the services of professional counsellors to those students who require behavioral corrections and emotional support.

## 2.2.5 *How does the institution identify and respond to the learning needs of advanced learners?*

The College has a mixture of advanced learners and low performers. Advanced learners are identified through
- Performance in class tests and internal examinations
- Class room interactions and discussions
- Seminar presentations
- Involvement in the activities of various clubs and forums

In order to further empower the advanced learners the College does the following:
- Prescribes advanced textbooks
- Provides online study materials
- Assigns challenging topics for seminar presentations
- Runs Walk With a Scholar programme
- Encourages students to pursue higher studies in reputed institutions
- Directs the students to training programmes and summer schools
- Encourages students to take part and present papers in seminars and workshops
- Offers coaching for NET/JRF, JAM/GATE
- Encourages them to take part in inter-collegiate competitions like management meets, debates, quiz etc.
- Runs a separate library with a good stock of books recommended for competitive examinations like NET/JRF, JAM/GATE, public service examinations etc.

As a result of this initiatives of these initiatives a good number of our students secure admissions in reputed institutions like Center for Cellular and Molecular Biology (CCMB), Hyderabad, Center for Food Technological Research Institute (CFTRI), Mysore, Rajiv Gandhi Center for Biotechnology (RGCB), Trivandrum, National Institute of Inter Disciplinary Science and Technology (NIIST), Trivandrum, Kerala Forest Research Institute (KFRI), Trissur and various Indian Institutes of Technology (IITs), and Central Universities.

### 2.2.6   How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

The College strictly adheres to the reservation policy for the differently abled and physically challenged. One seat in each programme is reserved for the students of these categories. The College adopts the following measures to cater to the needs of the differently-abled students.

- Remedial classes and extra coaching
- Convenient seating arrangements
- Personal attention to the students
- Special consideration in the laboratory work
- Special software support (JAWS) to the visually challenged
- Scribe facility in examinations
- Additional time to complete the examinations

## 2.3    Teaching-Learning Process

The educational pedagogy of St. Joseph's College, Devagiri is structured around the CMI congregation's vision of moulding future leaders for social change. The College is committed to ensure the holistic development of the students through a student-centric learning process.

### 2.3.1   How does the College plan and organize the teaching, learning and evaluation schedules?

The College has a well structured mechanism to plan and organize its teaching, learning and evaluation schedules.

- **Academic Calendar**: At the commencement of the academic year the IQAC in consultation with the College Council prepares an academic calendar specifying the number of working days, the examination schedule and other important academic activities of the College. The draft calendar is discussed and approved by the College Council.

- **General Time Table**: At the beginning of every academic year a general timetable for all programmes of the College is drafted. It contains the distribution of theory and practical sessions to different departments and the allotment of class rooms for every session.
- **Departmental Time Table**: In tune with the general time table, individual departments prepare weekly timetable for each class specifying the work allotment to individual faculty members.
- **Teaching Plan**: Every faculty member prepares a teaching plan for each of the courses handled by him/ her in such a way that 30% of syllabus is covered before the first internal examination, the next 40% before the second internal examination and the remaining 30% before the end semester examination. The schedule of the seminar presentation, by the students is prepared by the Course Teacher and displayed on the notice board at the beginning of every semester.
- **Evaluation Schedule**: The College became an autonomous institution in 2014 and since then the Controller of Examination drafts the examination schedule specifying the dates of internal examination and end semester examination and the date of publication of the results of all the UG and PG programmes.

Adherence to the teaching plan and academic calendar is ensured by the IQAC.

### 2.3.2 Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

At the beginning of every semester, course outline and schedules are made available to the students. It contains detailed syllabus, time allotted for the completion of each module and the credit allotted to each course.

The syllabi are also uploaded in the College website. Prior knowledge of the course plan makes the learning process more effective.

The effectiveness of the process is assessed by the feedback collected from the students. The class-wise PTA meetings evaluate the adherence to the schedule. The Principal and the IQAC also monitor the effectiveness of the process.

### 2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?

All the courses predominantly follow the lecture method. ICT facilities are used for enhancing the effectiveness. Besides lectures, other learner-centric methods

are also employed to ensure the active involvement of the students in the teaching-learning process. These include

- Power point presentations
- Students' seminars and assignments
- Lectures by subject experts
- Case studies
- Practical sessions
- Mock sessions in the class
- Group discussions
- Documentary/film shows

Apart from class room interactions the departments also employ the following methods wherever relevant:

- Industrial visits
- Court visits
- Study tours
- Field level survey
- Industrial training and project work
- Academic competitions
- Attending seminars and workshops

### 2.3.4 How 'learning' is made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

The departments adopt the following strategies in varying degrees to make learning more students-centric and ensure the holistic development of the students:

- Group discussions
- Class seminars
- Preparation of assignments
- Educational field trips
- Laboratory work
- Problem-solving sessions
- Academic projects
- Subject-based quiz programmes.
- Brain storming sessions

### 2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?

With the objective of enhancing academic excellence, St. Joseph's College, Devagiri, follows a policy of empowering the departments. Various clubs and forums invite experts and people of eminence to deliver lectures and interact with

the students.

- The departments regularly invite experts from different fields to enlighten the students with their views on areas of their specialization.
- The alumni who have established themselves as successful professionals and scientists of national and international eminence are invited for motivational interactions with the students.
- In 2014 the Department of Chemistry initiated "Lecture Series on Advanced Topics" in Chemistry which envisages talks by eminent national/ international speakers.
- Every department has its own departmental association which provides a platform for the students to listen to and interact with experts in different fields.
- Different clubs and forums functioning in the College also invite experts to deliver lectures as part of observing important days such as world mental health day, environmental day, wild life day, AIDS day etc.

**Table 2.5**
**List of prominent experts**
**who interacted with the students in the last four years**

| Experts | Designation |
|---|---|
| Dr. A.P.J. Abdul Kalam | Former President of India |
| Mr. Oomen Chandy | Honorable Chief Minister Kerala |
| **Chemistry** | |
| Dr. G. Unnikrishnan | Professor, Dept. of Chemistry, NITC |
| Prof. Ratneshwar Jha | PROBE Diagnostics Division, Institute for Plasma Research, Bhat, Gandhinagar, Gujarat |
| Mr. Joseph Chacko | Scientific Officer, RRII, Kottayam |
| Dr. Soney Varghese | Asst. Prof., Centre for Nanoscience and Technology, NITC |
| Dr. Suneesh C.V. | Assistant Professor, Kerala University |
| Dr. Pradeepan Periyat | Assistant Professor, University of Calicut |
| Dr. Mohandas | Senior Consultant, General Hospital, Ernakulam. |
| Dr. N. Sandhyarani | Asst. Prof., Centre for Nano science and Technology, NITC |
| Prof. Mormann Werner | Professor, Emeritus, University of Siegen, Germany |

| | |
|---|---|
| Dr. A. R. Ramesh | Asst. Prof., Govt. Engg. College, West Hill, Calicut |
| Prof. Thomas Mathew | Loker Hydrocarbon Research Institute, University of Southern California, Los Angeles |
| Prof. Praveen Kumar S. | Scientist, Department of Science & Technology, New Delhi |
| **Physics** | |
| Prof. C.V. Tomy | Department of Physics, IIT, Bombay |
| Prof. Alok Saxena | Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai – 400 085 |
| Prof. M. Lakshmanan | Professor of Eminence & Ramanna Fellow , Centre for Nonlinear Dynamics, Bharathidasan University |
| Prof Parthasarathi Mitra | Saha Institute of Nuclear Physics, Kolkata– 700 064 |
| Prof. D. Narayana Rao | School of Physics, University of Hyderabad, Hyderabad |
| Prof. Maithili Sharan | Centre for Atmospheric Sciences (CAS), IIT Delhi |
| Prof. A Srinivasan | Dept of Physics, Indian Institute of Technology, Guwahati |
| Prof. Sanjai Kumar | Dept. of Physics, Banaras Hindu University, Varanasi |
| Prof. Ranjan Gupta | Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune |
| Dr. B.R.S. Babu | Head , Dept. of Physics, University of Calicut |
| Dr. Jose Mathew | Student Dean, University of Calicut |
| Dr. K Papootty | Former president Kerala Sastra Sahitya Parishad |
| Dr. Reji Philip | Associate Professor, RRI Bangalore |
| Dr. Sindhu R. | Dept. of Nano Science, University of Calicut |
| Dr. Jayant Ganguly | Technical Assistant, Regional Science Centre, Calicut |
| Dr. M. Abdul Salam | Hon. Vice-Chancellor, University of Calicut |
| Mr. Ajay E. | Aerodrome officer, HAL International Airport, Bangalore |
| Dr. Anathakrishnan | Faculty, International School of Photonics, CUSAT, Cochin |
| **Mathematics** | |
| Prof. S. Thangavelu | Dept of Mathematics, Indian Institute of Science, Bangalore |
| Prof. Ganapathy Baskaran | The Institute of Mathematical Sciences, C I T Campus, Tharamani, Chennai - 600 113 |

| Prof. U.C. Gupta | Department of Statistics, IIT, Kharagpur- 721 302 |
|---|---|
| Prof. E.K Narayanan | Dept of Mathematics, Indian Institute of Science, Bangalore |
| Prof. Ajith Kumar B.P. | Scientist – H, InterUniversity Accelerator Centre, NewDelhi |
| **Economics** ||
| Dr. K. P. Mani | Prof, Dept of Economics, University of Calicut |
| Dr. Shyjan D. | Asst. Prof. Dept of Economics, University of Calicut |
| Dr.T.Sampathkumar | Asso. Prof., Govt. Arts College, Coimbatore |
| Dr.Vijayamohan Pillai | Prof. Centre for Development Studies, Thiruvananthapuram, |
| Prof. Radhakrishnan N. | Asso. Prof., Dept of Economics, ZG College, Calicut |
| Mr. Hemapalen P. | Manager, FCI |
| **Botany** ||
| Dr. Beena M. R. | Scientist , Plant Virus Department Leibniz- Institut DSMZ |
| **Social work** ||
| Mr. V. J. Jose | Director, Periar River Keeper, |
| Dr. Kurian Joseph | Professor, Anna University, Chennai |
| Dr. Sunil De Santha, | Asst. Professor, TISS, Mumbai |
| Dr. Debal Deb | Chairperson, Center for Inter Disciplinary Studies, Kolkata |
| Fr. Joy James | Convener, Kerala State Child Line Forum |
| Fr. Prashanth P. | Principal, SH college, Thevara |
| **Zoology** ||
| Dr. Anitha P.M. | Asso. Prof., Dept. of Microbiology, Medical College, Calicut. |
| Prof. Hosetti | Kuvempu University, Shankaraghatta, Karnataka |
| Dr. S. Janardhanan | Dept. of Zoology, University of Madras |
| Dr. Hegde | Zoological Survey of India, Calcutta |
| Dr. A.J. Solomon Raju | Dept. of Environmental Sciences, Andhra University |
| Prof. R. Varatharajan | Dept. of Zoology, Central University of Manipur |

| Commerce | |
|---|---|
| Dr. Saji Gopinath | Dean, IIMK Calicut |
| Mr. Ajith Kumar R. | CEO, Govt. Cyber Park |
| Dr. K Sivarajan | Dean, University of Calicut |
| Adv. Dinesh A. | Certified International Trainer |
| Mr. Biju Joseph | Head, Dept. of Management, St Pius X College, Rajapuram |
| **Psychology** | |
| Prof. Dr. C.Jayan | Head, Department of Psychology, University of Calicut |
| **BBA** | |
| Kerry Lawson | Yoga Instructor and teacher Trainer, Nova Scotia, Canada |

## 2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching?

The institution is keen to keep pace with the technological developments and the faculty are encouraged to use the latest technologies and facilities to make teaching more effective. The initiatives of the College in this direction include the following:

- The campus is connected through LAN and high speed internet is made available.
- Most of the classrooms are equipped with LCD projectors.
- Software such as SPSS, E-Views, MATLAB, Tally and Wings, operating systems like Microsoft Windows and Linux.
- Subscription to INFLIBNET and e-journals.
- Effective use of social networking sites and video sharing sites.
- E-notes and learning materials.
- Library is supported by KOHA, a free library management software.
- Library is equipped with JAWS, a software for the visually challenged.

*2.3.7. Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.*

The College has an actively functioning counselling centre which is financially supported by the PTA. The centre offers the services of professional counsellors, psychologists and trained internal counsellors. In addition to providing academic, personal and psycho-socio guidance to those in need, the centre also arranges value education classes for different batches of students.

Besides, the institution follows a tutorial system. A batch of 20 to 30 students is allotted to a mentor who closely monitors the academic progress of his/her wards. Tutorial records are maintained to keep track of the performance of students. Tutorial sessions are held daily between 3.30 and 4.30 pm. The entire students of the College are benefitted by the tutorial system.

To guide the advanced learners and slow learners, the College has initiated the Walk With a Scholar (WWS) Programme and Scholar Support Programme (SSP), respectively.

The grievances of girl-students are addressed with the help of lady faculty members. Women's Welfare Council initiates programmes to empower girl students.

*2.3.8 Are there any innovative teaching approaches/methods/ practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?*

Most of the faculty members have started adopting innovative approaches in the academic process to make learning a more enriching experience to the students. The initiatives of the faculty in this direction include the following:

- Use of LCD
- E-notes and online submission of assignments
- Practical expertise to online Stock Trading
- Preparation of Business Plan
- Hands-on training in horticulture practices
- seminar presentations based on research articles
- Topic- based You Tube lectures of eminent academicians
- Film screening on prescribed text books

- Role plays, observational visit and preparation of documentaries on social issues

The use of these innovative practices has positively contributed towards enhancing the learners' interest and improving the attention span of the students. Student involvement in teaching-learning process has also improved considerably. The College is committed to providing such innovative initiatives of the faculty. The faculty are given the required flexibility to experiment with such innovative practices. The College has made the required infrastructure facilities available in all the departments.

### 2.3.9 How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?

St. Joseph's College, Devagiri has a culture of nurturing creativity, critical thinking and scientific temper among the students. This is achieved through a variety of programmes organized by the departments and different clubs and forums functioning in the college.

- Students are encouraged to express their views and opinion in the class.
- Students are exposed to the views of experts in different fields so that they develop a critical research attitude.
- Students are permitted to attend the management meets organized by other institutions within and outside the state.
- Departments allow the students to do projects in areas of their interest.
- Students are encouraged to present research papers in other academic institutions.
- There are reviews and discussions on scientific articles in the class room.

Some of the inter-collegiate events organized by the department associations are

- *Brahmam* and Physics Quiz, a three-day science fest (Physics)
- *Zero Hour*, an Economic quiz (Economics)
- *Yuga*, a Literature Fest (English)
- *Xplore.comm*, Management Meet (Commerce)
- *Nirvana*, Management Meet (BBA)
- *Chitrashatakam*: *The Celluloid Century* (English)

### 2.3.10 Does the College consider student projects a mandatory part of the learning programme? If so, for how many programmes is it made mandatory?

Project work has been made mandatory for all the UG and PG programmes of the College. Every student has to do a project work, submit the report and appear for a viva-voice examination on the project undertaken.

**Table 2.6**
**Projects during the Last four Academic Years**

| Programme | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|
| | | I* | E* | I* | E* | I* | E* | I* | E* |
| Economics | BA | - | 11 | - | 12 | - | 11 | - | 11 |
| | MA | - | 20 | - | 19 | - | 20 | - | 19 |
| English | BA | 36 | - | 37 | - | 35 | - | 39 | - |
| | MA | 20 | - | 21 | - | 20 | - | 20 | - |
| Mathematics | B.Sc | 43 | - | 48 | - | 49 | - | 49 | - |
| | M. Sc | 17 | - | 20 | - | 21 | - | 20 | - |
| Physics | B.Sc | 8 | - | 8 | - | 8 | - | 8 | - |
| | M. Sc | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 |
| Chemistry | B.Sc | 9 | - | 9 | - | 9 | - | 9 | - |
| | M. Sc | 10 | 2 | 10 | 2 | 10 | 2 | 11 | 2 |
| Botany | B.Sc | 7 | - | 7 | - | 7 | - | 7 | - |
| | M. Sc | 11 | - | 12 | - | 10 | - | 11 | - |
| Zoology | B.Sc | 4 | | 3 | - | 4 | - | 4 | - |
| | M. Sc | 13 | - | 12 | - | 10 | - | 11 | - |
| Commerce Finance | B.Com | - | 12 | - | 11 | - | 12 | - | 12 |
| | M.Com | - | 20 | - | 19 | - | 20 | - | 18 |
| M. Sc Statistics | | | | 11 | - | 9 | - | 12 | - |
| M.S.W | | - | 17 | - | 18 | - | 20 | - | 20 |
| B.B.A | | Programme commenced in 2012-13 | | | | | | - | 30 |
| B.C.A | | | | | | | | - | 5 |
| B.Sc. Computer Science | | | | | | | | - | 6 |

*I - In-house Project, *E - External Projects

**Major Institutions Associated with the College for Student Project Work**
**Department of Physics**
- Centre for Water Resources Development and Management (CWRDM)
- National Institute of Technology (NIT), Calicut
- Naval Physical & Oceanographic Laboratory (NPOL) Cochin
- Regional Science Center and Planetarium
- Calicut Medical College
- Malabar Institute of Medical Sciences, Calicut

- CUSAT, MG University
- The Centre for Materials for Electronics Technology (C-MET)

**Department of Botany**
- Center for Medicinal Plants Research, AVS Kottakkal

**Department of Chemistry**
- Kerala Water Authority
- Centre for Water Resources Development and Management (CWRDM)
- National Institute for Interdisciplinary Science and Technology (NIIST)
- The Kerala Minerals and Metals Limited (KMML)

**Department of Social work**
- NGOs – OISCA, KAIROS, Sreyas Foundation
- Hospitals – IQRAA, Holy Family, KIDWAI

**Department of Commerce**
- Geojith BNP Paribas
- Malabar Gold
- Karvy Comtrade Ltd
- ING Vysha life insurance
- KRS
- Apco Hyundai
- KTC Honda
- Punjab National Bank

**Department of Economics**
- Banks – ICICI, HDFC, PNB, Federal bank
- Small Scale Industries (SSIs)- *Khadi* Industry, *Kudumbhasree* Units
- Fisheries Department  - CMFRI, SMFRI
- NGOs  - MCTRI
- Govt. Organizations - MILMA

**Role of the faculty in facilitating such projects**

Faculty members of the respective departments orient the students on research methodology and guide them in the project work. Supervising teachers assist the students in identifying the research problem, drafting the research synopsis, collecting data/critical materials/ designing the experiments, data analysis and report preparation.

*2.3.11 What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?*

All the faculty members of the College are aware of the importance of computer-aided teaching methodologies. Every department is equipped with sufficient

number of computers, laptops, LCD projectors, scanners and printers.

- The campus is connected through LAN Network and high speed internet is made available.
- A comprehensive training programme for teachers with the objective of enabling them to deal with computer-aided teaching materials was organized with the technical expertise of Nehru College, Coimbatore.
- Teachers are deputed to attend workshops on ICT enabled teaching methods and computerized data analysis packages (SPSS, M S Excel, E-Views).
- INFLIBNET provides access to e-journal and published resources.

### *2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?*

The College has a mechanism for evaluation of teachers by the students which is monitored by the IQAC. At the end of every even semester, Course Teachers are required to take a feedback on their performance from the students. Using the Proforma for teacher-evaluation which is prepared by the IQAC and approved by the College Council, the performance of the teachers is evaluated on a ten-point scale in respect of ten attributes. To ensure the fairness of the process, students are permitted to undertake the exercise on anonymity. The scaling scheme is as follows: excellent (9-10); good (6-8); average (4-5); and poor (1-3). The Principal meets the faculty members who are ranked average or poor and discuss the corrections to be made and the measures to be adopted for improvement. This mechanism has a visible impact on teacher quality.

### *2.3.13 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes, elaborate on the challenges encountered and the institutional approaches to overcome these.*

Prior to obtaining academic autonomy, completing the curriculum within the planned time frame was indeed a difficult task for the College. Centralized allotment of seats by the affiliating university used to cause delay in completing the admission process and hence the semesters often did not contain the stipulated number of working days. Also many working days were lost on account of untimely suspension of regular classes for facilitating centralized valuation camps. Teachers used to compensate the days lost by engaging extra classes on holidays and during vacation.

After the institution became autonomous, the College adheres strictly to the academic calendar and does not find it difficult to complete the syllabus in time. Strikes and student protests are restricted on the campus in such a way that they do not disturb the classes.

## *2.3.14 How are library resources used to augment the teaching-learning process?*

- The College has a well-stacked central library. It has multiple copies of prescribed text books in all disciplines.
- Reference books, books for competitive examinations and journals are made available to staff and students.
- Every UG and PG student is allotted 3 and 5 borrower-cards respectively.
- INFLIBNET enables students to have access to a large number of E-Journals and published materials.
- The functioning of the library is made efficient and smooth because of the use of KOHA, a computerized library management software.
- Students are directed to use library resources for seminar presentations and assignments.
- A book bank is attached to the Central Library.
- Different departments maintain separate text book libraries for the use of students and faculty.

**Table 2.7**
**Number of Volumes Available in Departmental Libraries**

| Department | No. of Books | Department | No. of Books |
|---|---|---|---|
| Commerce ( Finance) | 1560 | Zoology | 1350 |
| Economics | 456 | B.Com (CA) & BBA | 125 |
| English | 357 | BCA, B.Sc Computer Science | 200 |
| Physics | 350 | Chemistry | 63 |

## *2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance.*

The effect of teaching quality, teaching methods and classroom environment on students' performance is completely monitored by the College. Appropriate measures are adopted at different levels to evaluate the quality of teaching and the classroom ambience.

- Teacher-evaluation by students with the help of feedback system.

- Preparation of course plan by the faculty concerned and its submission to the HoD.
- Review of class room environment and student performance in departmental meetings.
- Monitoring the discipline and classroom environment by the HoD and the Principal.
- Collecting parents' feedback on quality of the teaching-learning process at the time of class-wise PTA meetings.
- Tutorial system to identify and address the difficulties students face in the learning process.

## 2.4     Teacher Quality

### 2.4.1     What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?

Total faculty strength of the College is 119. Out of the 119 faculty members, 72 are under grant-in-aid, and 12 are guest faculty drawing salary from the government and the rest are working in self-financing programmes and are paid by the management. All the staff members are from within the state.

### 2.4.2     How are the members of the faculty selected?

The College has an effective mechanism for recruiting competent faculty members. For selection of teachers under grant-in-aid the College strictly adheres to the norms prescribed by the Government of Kerala and the provisions in the statute of the University of Calicut. The process of faculty selection is as follows:

- Vacancies are notified in leading newspapers having wide circulation.
- Applications received are scrutinized in respect of eligibility and the candidates are called for an interview.
- Candidates appear before a duly constituted Interview Board comprising the Principal, the Manager, a representative of the Government of Kerala and a subject expert nominated by the affiliating university.
- Candidates are also asked to present a demonstration class.
- Candidates are ranked on the basis of their qualification, experience and performance in the interview.

The procedure for the selection of teachers in the self-financing stream is also the same as above except that the Interview Board does not contain representative of the Government of Kerala and the affiliating university.

## 2.4.3   Furnish details of the faculty (as on 31st March 2015)

**Table 2.8**
**Details of the Faculty**

| Highest Qualification | Associate Professor | | Assistant Professor | | Total |
|---|---|---|---|---|---|
| | **Male** | **Female** | **Male** | **Female** | |
| **Permanent Teachers (Aided)** | | | | | |
| PhD | 25 | Nil | 8 | 7 | 40 |
| M. Phil | 5 | Nil | 4 | 2 | 11 |
| PG | 2 | Nil | 12 | 7 | 21 |
| **Temporary Teachers ( Management-Paid)** | | | | | |
| PhD | Nil | 1 | Nil | 1 | 2 |
| M. Phil | Nil | Nil | 1 | 3 | 4 |
| PG | 1 | Nil | 6 | 22 | 29 |
| **Guest Faculty** | | | | | |
| PhD | 2 | Nil | Nil | Nil | 2 |
| M. Phil | Nil | Nil | 1 | 1 | 2 |
| PG | Nil | Nil | 3 | 5 | 8 |
| **Total** | 35 | 1 | 35 | 48 | 119 |

## 2.4.4   What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?

37.8% of the faculty members are UGC-CSIR-NET, UGC-NET qualified. Among them 62.2% of teachers have PG as the highest qualification.

**2.4.5 *Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.***

**Table 2.9**
**Details of diversity in faculty recruitment**

| Department | Faculty members from | | | |
|---|---|---|---|---|
| | Alumni of the College | Other colleges within the state | Other states | Total |
| Economics | 2 | 4 | 0 | 6 |
| English | 10 | 2 | 0 | 12 |
| Mathematics | 4 | 5 | 0 | 9 |
| Physics | 1 | 8 | 0 | 9 |
| Chemistry | 1 | 9 | 0 | 10 |
| Botany | 4 | 4 | 0 | 8 |
| Zoology | 5 | 3 | 0 | 8 |
| Commerce (Aided) | 3 | 5 | 0 | 8 |
| Commerce & Management (SF) | 1 | 6 | 0 | 7 |
| Computer Science & BCA (SF) | 3 | 9 | 0 | 12 |
| Psychology | 0 | 1 | 0 | 1 |
| Malayalam | 0 | 3 | 0 | 3 |
| Mass Communication/ Functional English  (SF) | 3 | 4 | 0 | 7 |
| Second language | 1 | 1 | 1 | 3 |
| Physical education | 1 | 1 | 0 | 2 |
| History/Politics | 0 | 2 | 0 | 2 |
| Statistics | 2 | 2 | 0 | 4 |
| Social Work | 2 | 2 | 0 | 4 |

**2.4.6 *Does the College have the required number of qualified and competent teachers to handle all the courses for all Departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?***

Yes. The College has the required number of qualified and competent teachers to handle all the courses for all the departments. When there is a delay on the part of the government in issuing orders to fill vacancies arising due to retirement or vacancies created for the newly sanctioned programmes, the management employs teachers to fill the positions.

**Table 2.10**

**Number of Faculty members appointed during the last four years**

| Year | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|------|---------|---------|---------|---------|
| No of appointments | Nil | 11 | 4 | 4 |

*2.4.7   How many visiting Professors are on the rolls of the College?*

**Table 2.11**

**Visiting professors**

| Sl. No. | Name | Department |
|---------|------|------------|
| 1 | Dr. Nalini Satheesh | Malayalam |
| 2 | Mr. V.J. Zacharias | English |

*2.4.8   What policies/systems are in place to recharge teachers?*

The College has taken various initiatives to recharge the teachers so as to enhance the quality of teaching, evaluation and research. Some of the important recharge programmes adopted are explained below:

- Faculty members are encouraged to pursue M. Phil and PhD programmes.
- They are encouraged to attend seminars, conferences and workshops, conducted at regional, national and international levels.
- Teachers are sent to Orientation Courses and Refreshers Courses organized by different Academic Staff Colleges.
- The College, with the support of the Research Advisory Committee, extends all necessary assistance to faculty members to apply for minor and major research projects.
- Departments of Mathematics and Physics have been recognized as Research Centers during the last four academic years and more teachers are given guideships.
- The College has launched two research journals to promote research activities in science and social work.

*2.4.9   Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years. :* Nil

*2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years*

**Table 2.12**

**Details of participation in staff development programmes**

| *Academic staff development programmes* | No of faculty | | | | Total |
| --- | --- | --- | --- | --- | --- |
| | *2011-12* | *2012-13* | *2013-14* | *2014-15* | |
| **Refresher Courses** | - | 1 | 1 | 5 | 7 |
| **HRD programmes** | - | - | 2 | 3 | 5 |
| **Orientation Programmes** | 3 | 3 | 4 | 8 | 18 |
| **Staff Training Programmes conducted by the College** | - | - | 4 | 86 | 90 |
| **Staff training by University/ Other Colleges** | 4 | - | 2 | 4 | 10 |
| **Summer/ Winter Schools, Workshops etc.** | 10 | 6 | 17 | 6 | 39 |

*2.4.11  What percentage of the faculty have*
  - ✓ *been invited as resource persons in Workshops / Seminars /   Conferences organized by external professional agencies***:** 16 %
  - ✓ *participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies:* 47%
  - ✓ *presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies***:** 25%
  - ✓ *Teaching experience in other universities / national institutions and others:* Nil
  - ✓ *Industrial engagement:* Nil
  - ✓ *International experience in teaching:* Nil

*2.4.12  How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?*
The IQAC organizes academic development programmes for the faculty with a view to equipping them to meet the demands of the changing academic scenario. The topics covered in these training programmes include
  - Preparation of academic calendar

- Academic audit: significance and process
- Learner-centric teaching methodology
- ICT enabled teaching-learning process
- Evaluation methods and preparation of question papers
- Question bank and its preparation

**Curricular development**

Prior to the initiatives of the process of curriculum design by the Boards of Studies, the faculty members were briefed on the relevance of curriculum in the academic process and the factors to be considered while developing a new curriculum. Faculty members were also given the opportunity to interact with the external experts who are the members of the Academic Council and Boards of Studies. These interactions are arranged annually.

**Examination reforms**

The College makes use of its right to autonomy in respect of examination reforms and evaluation process with the objective of ensuring justice, fairness and transparencies at all stages. The College has introduced the question bank system for the UG programmes with effect from the academic year 2015-16. All the faculty members were given training on the generation of the question bank.

**Teaching- learning methods**

The IQAC organized a one-day workshop on *'e-content development'* with the expertise of Nehru College, Coimbatore. The workshop organized on 12th December 2014 was attended by 45 faculty members.

The IQAC organized a one day staff training programme on '*Philosophy of science*' by Fr. Augustine Pamplani on 19th December 2014.

*2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?*

The faculty members are encouraged to experiment with new teaching methods in order to make learning more enriching to the students. Some of the important innovations introduced during the last five years are

- ICT teaching methodology with the help of LCD projectors, audio-visual devices and the use of smart class rooms
- Use of online materials
- Subject-related quiz programmes to help students answer MCQs and to prepare for competitive examinations like UGC-NET, GATE.
- Group discussions and seminar presentations by students

- YouTube lecture sessions of eminent professors of other universities
- Students projects (at UG and PG level) and industrial training
- Mind mapping technique in teaching

New innovations implemented by the faculty are appreciated in the department meetings. To strengthen such creative innovations, teachers are encouraged to participate in programmes on new teaching-learning practices organized by reputed institutions. The College also extends all infrastructural support for implementing such innovations.

### *2.4.14 Does the College have a mechanism to encourage*
- *Mobility of faculty between institutions for teaching?*
- *Faculty exchange programmes with national and international bodies?*
- *If yes, how have these schemes helped in enriching quality of the faculty?*

The College encourages faculty members who are experts in divergent areas to share their knowledge with other institutions.

- Dr. M.K Baby, Head of the Department, of Commerce has handled sessions on practical accounting and finance in the Entrepreneurial Development Programme (EDP) organized by the technology incubator attached to the National Institute of Technology, Calicut.
- Dr. Sanathanan Velluva, the HoD of Department of Economics, who is an acclaimed software skill trainer has engages around 60 sessions per year on topics like Personality development and Career guidance.
- Dr. Jose John Mallikassery, HoD of Chemistry and Director of College Counselling Centre has engaged a number of sessions on students counseling and value education.
- Mr. Thomachan K.T. Associate Professor in Economics, has conducted training programmes on statistical data analysis using SPSS, E-Views and GRETEL in SB College, Changanassery and Farook College Calicut.
- Mr. Tomson A. J, College Librarian, delivered a series of invited talks and conducted practical sessions on library automation to the library staff and professionals of Kerala University, Kannur University, Sree Sankara Sanskrit University, Kalady, and Cochin University of Science and Technology, and various other institutions in Kerala.
- The College encourages the faculty members to avail their service to conduct examinations, viva voce and practical examinations in other colleges/institutions. The College grants them duty leave for such assignments.

**Table 2.13**

**Number of external duties attended by faculty members**

| Year | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|
| Number of external duties attended by the faculty | 70 | 71 | 65 | 82 |

## 2.5 Evaluation Process and Reforms

### 2.5.1 *How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?*

St. Joseph's College Devagiri ensures that the evaluation processes operative in the College is disseminated to all the stake holders sufficiently in advance. The College adopts the following measures to ensure the same:

- The College Handbook issued to every student and faculty member contains a separate section on the evaluation process and examination schedule.
- The copies of the updated examination manual of the College are distributed to all the departments and are made available in the office of the CoE for reference.
- The evaluation process and the question paper pattern are included in the regulations of every programmes.
- The examination system and the components of student evaluation are explained thoroughly to the newly admitted students and their parents during the induction programme.
- Parents can clarify their doubts on the prevailing evaluation system in the class-wise PTA meetings held every semester.

### 2.5.2 *What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?*

Being affiliated to the University of Calicut, St. Joseph's College Devagiri has been adhering to the evaluation system and examination schedules of the affiliating university till 2014. The academic autonomy has given the institution the freedom to revamp its evaluation process to make it more efficient, objective and transparent.

- The conduct of internal examinations has been centralized under an internal controller of examinations.
- The details of students' attendance, which is a component for Continuous

Internal Assessment, are published monthly by the respective departments.

- The valued answer scripts of internal examinations are made valuable to the students for verification. The same is collected back with the signature of the students to be kept with the office of the CoE.
- For the end-semester examination different sets of question papers are invited from a panel of question paper setters nominated by the respective Board of Studies.
- The question papers are scrutinized by an external expert.
- The question papers to be actually used are selected at random by the CoE.
- For ensuring fairness, the answer scripts are subjected to double valuation first by the Course Teacher and then by an external examiner. In the event of variation of marks beyond 15%, a third valuation is conducted.
- The examination results are made available in the student portal on the College website.
- Students can, if they so desire apply for the scrutiny/ re-totaling/ revaluation of their answer scripts. They can also make a request for the photocopy of their valued answer scripts.

## 2.5.3 *What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?*

The evaluation process prevailing in the College comprises of two components: internal assessment and end-semester examination with the weightage of 20% and 80 % respectively.

Internal assessment is a continuous evaluation process spread throughout the semester where the performance of the student is tracked regularly with two internal examinations, assignments submitted, seminars presented and practicals completed. The regularity of the students in academic activities is ensured by making attendance as an integral component of the internal evaluation.

The academic progress is discussed in the tutorial meetings and any difficulty faced by the student is properly addressed. In the class-PTA meetings held every semester, parents are briefed on the performance of their ward.

Grievance Redressal Forums functioning at the Department and College levels look into student complaints on internal assessment.

*2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?*

The weightage of internal evaluation component is 25% of the total credit for both UG programme and PG programme. The internal assessment components comprise the following:

**Table 2.14**

**CIA components and their weightage for UG programmes**

| Component | Weightage |
|---|---|
| Internal Test (Better of the Two) | 50% |
| Seminar / Assignment | 25% |
| Attendance | 25% |

**Table 2.15**

**CIA components and their weightage for PG programmes**

| Component | Weightage |
|---|---|
| Internal Test (Average of Two) | 40% |
| Seminar | 20% |
| Assignment | 20% |
| Attendance | 20% |

The internal assessment mechanism is strategized and the rigor of the process is ensured through the following:

- The internal evaluation scheme is developed by the Board of Studies concerned and approved by the Academic Council.
- Internal tests are centralized under the internal controller of examinations.
- The answer scripts of internal tests are distributed to the students and collected back with their signature to be centrally filed.
- The schedule for seminars and submission of assignments is prepared at the beginning of the semester and issued to the students.
- The consolidated internal evaluation scores of the students are published on the department notice board and forwarded to the office of the CoE.

*2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?*

The College strictly adheres to the examination schedule prepared by the CoE and approved by the College Staff Council. This schedule is included in the College handbook and published in the institution's website.

For the non-autonomous batches of students, the College follows the examination schedule of the affiliating university.

*2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode/media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.*

The average time taken by the College for the declaration of the results of end-semester examinations is 45 days and of internal examinations is 10 days from the date of the last examination. The results are published in the College website and made available in the students portal. For the non-autonomous batches, the affiliating university decides the schedule for publication of results.

*2.5.7 Does the College have an integrated examination platform for the following processes?*

Being in the infancy of autonomy, the College is yet to develop an integrated examination platform which meticulously addresses all the pre-examination, examination and post-examination processes. The examination related activates are taken care of partly by manual methods and partly by computerized process.

**Pre-examination processes**:

- Question papers for the end-semester examinations are set by a panel of experts from outside nominated by the respective Board of Studies.
- Question paper setters are asked to maintain confidentiality of the process.
- Question papers received from the setters are scrutinized by a scrutiny board chaired by a senior faculty from outside.
- One of the different sets of question papers kept in sealed cover is chosen at random by the CoE and its sufficient copies are printed ensuring secrecy.
- Students apply for examination online after remitting the required fee at the fee counter in the College office.
- Eligibility of the candidates are verified in the office of the CoE with reference to the Attendance Progress Certificate (APC) forwarded from the departments.
- Students can download the hall tickets from the website through the student portal.
- Time table for the internal and end-semester examinations are prepared by the CoE and are displayed on the Department notice board.
- The invigilators' list and attendance record of students are prepared by the office of CoE.

**Examination process**

- Answer books with different security features are printed and stored in the CoE's office.

- Invigilators and the examination squad ensure that the examinations are conducted in an environment of utmost discipline.
- After the examination, the invigilators collect the scripts and sent to the office of the CoE.

**Post examination process**

- The answer scripts are sent for valuation to the centralized valuation camps organized in the respective Departments and attended by the Course Teachers with HoD as the chairman.
- PG answer scripts are subjected to double valuation one by an external examiner and one by an internal examiner.
- If difference in the marks awarded by internal examiner and external examiner exceeds 15 %, a third valuation is conducted.
- After the approval of the Pass Board the result is published in the College website.
- Students can download the mark sheet through the students portal on the College website.

## 2.5.8 Has the College introduced any reforms in its PhD. evaluation process?

The evaluation of the PhD programme is in accordance with the university regulations.

## 2.5.9 What efforts are made by the College to streamline the operations at the office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section?

- Adequate infrastructure facilities are provided and constantly improved for the conduct of examinations.
- A well furnished room with CCTV surveillance inside and outside is made available to the CoE.
- The CoE has a team of full time personnel to assist him.
- Students can submit the application online and download the mark list from the College website.

## 2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?

- Students are free to raise their complaints if any, regarding internal assessment to the Course Teacher.
- Every Department has a grievance redressel forum to address the complaints of the students in respect of continuous internal evaluation.

- Students can apply for revaluation and re-totaling of the answer scripts of end semester examinations.
- Students can request for the photocopy of their answer scripts.
- The College has a Grievance Redressel Cell as the final forum for addressing students' complaints in respect of the evaluation process.

## 2.6. Student Performance and Learning Outcomes

*2.6.1 Does the College have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?*

The College curriculum is fine tuned with the vision of the College ie, creating a just and humane society where dignity of the human person is respected and the poor and the marginalized are specially taken care of. The College upholds the motto "Pro Deo et Patria" (For God and Country). The learning outcomes at the institutional level are laid down in the vision and mission statements of the College and is communicated to the staff and students through College website and handbook. Students are oriented on the expected general learning outcome in the induction programme organized at the beginning of every academic programme.

Every academic programme of the College has its specific learning outcomes which are integrated into regulation. Each course has also certain expected outcomes which may include
- Providing fundamental knowledge on the subject
- Promoting analytical skills
- Developing research aptitude
- Enhancing employability

*2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?*

Realization of the intended learning outcomes is central to the evaluation of any academic progress. The College monitors the achievement of stated learning outcomes by mechanism which involves the following:
- Periodic review of the learning outcomes laid down in the syllabus by the BoS and the Academic Council and critical evaluating of the extent of its achievement.
- Feedback from students, alumni and parents.

- Academic audit.

- Informal feedback from the employers who recruit our students.

- The IQAC monitors achievements and the expected learning outcomes on the basis of students' performance in UGC-NET, CSIR-NET and other competitive examinations.

- Student progression to higher studies and employment is also used as an indicator of the achievement of learning outcomes.

### *2.6.3  How does the institution collect and analyse data on student learning outcomes and use it for overcoming barriers of learning?*

The College is keen on collecting and analyzing data on student learning outcomes. The analysis is carried out on the basis of

- Performance in end-semester examinations.
- Performance in continuous internal evaluation.
- Feedback from all stakeholders.
- Data on student progression to higher studies and employment.

Issues identified are discussed in department meetings, Staff Council and other forums like Board of Studies, Academic Council and Governing Council. Critical analysis at different levels help in identifying the barriers of learning and suggesting remedial measures. Remedial classes, discussion of previous question papers, more problem solving sessions, mentoring and counseling are some of the measures adopted to help the students overcome barriers of learning.

*2.6.4  Give Programme-wise details of the pass percentage and completion rate of students.*

**Table 2.16**
**Programme-wise pass percentage and completion rate of UG programmes**

| Programme | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|
| | Pass % | CR* | Pass% | CR | Pass% | CR | Pass% | CR |
| BA Economics | 79 | 97 | 82 | 97 | 90 | 95 | 92 | 95 |
| BA English | 97 | 88 | 97 | 90 | 100 | 88 | 100 | 93 |
| B.Sc Mathematics | 80 | 96 | 77 | 87 | 83 | 98 | 96 | 96 |
| B.Sc Physics | 88 | 92 | 88 | 90 | 97 | 88 | 93 | 98 |
| B.Sc Chemistry | 92 | 91 | 85 | 80 | 95 | 94 | 98 | 94 |
| B.Sc Botany | 88 | 90 | 79 | 62 | 81 | 94 | 94 | 94 |
| B.Sc Zoology | 74 | 76 | 89 | 81 | 94 | 92 | 100 | 84 |
| B.Com Finance | 93 | 91 | 100 | 94 | 97 | 97 | 98 | 97 |
| B.Sc Computer Science | Programme commenced in 2011-12 | | | | | | 82 | 96 |
| BBA | | | | | | | 77 | 100 |
| BCA | | | | | | | 86 | 88 |

* CR- Completion Rate

**Table 2.17**
**Programme-wise pass percentage and completion rate of PG programmes**

| Programme | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|
| | Pass % | CR * | Pass % | CR * | Pass % | CR* | Pass % | CR* |
| MA Economics | 100 | 95 | 95 | 95 | 100 | 91 | RESULT AWAITED | 100 |
| MA English | 95 | 95 | 94 | 100 | 100 | 100 | | 100 |
| M.Sc Mathematics | 95 | 86 | 93 | 85 | 79 | 100 | | 100 |
| M.Sc Physics | 91 | 91 | 92 | 100 | 100 | 100 | | 100 |
| M.Sc Chemistry | 100 | 100 | 91 | 100 | 100 | 100 | | 100 |
| M.Sc Botany | 90 | 100 | 80 | 91 | 91 | 100 | | 100 |
| M.Sc Zoology | 100 | 100 | 100 | 100 | 100 | 100 | | 100 |
| M.Com | 95 | 91 | 95 | 100 | 95 | 95 | | 100 |
| MSW | 89 | 84 | 100 | 100 | 81 | 100 | | 94.7 |
| M.Sc Statistics | 83 | 92 | 89 | 91 | 82 | 100 | | 100 |

* CR- Completion Rate

# CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

## 3.1 Promotion of Research

Academic institutions are the principal source of basic research that expands the frontiers of knowledge and produces discoveries that enrich the lives of people. Institutions of higher education, worldwide, recognize research as an important part of their responsibilities, while retaining knowledge dissemination as their primary function. In the light of this realization, St. Joseph's College, Devagiri, has been zealously striving for a stronger research orientation among its students and faculty members.

### 3.1.1 *Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.*

The College has a Research Advisory Committee to promote research activities and to inculcate research culture in the institution.

**Table 3.1**
**Members of Research Advisory Committee**

| | |
|---|---|
| 1. The Principal (Chairman ) | 6. Dr. Baby Chacko (HoD, Mathematics) |
| 2. Dr. Sabu K Thomas (Convener ) | 7. Dr. Meril Mathew (Physics) |
| 3. Dr. M.K. Baby (IQAC Co-ordinator) | 8. Dr. Ranimol Stephan (Chemistry) |
| 4. Dr. Salil Varma R. (English) | 9. Dr. P.S. George (Botany) |
| 5. Dr. Sanathanan Velluva (HoD, Economics) | 10. Dr. Jisha Jacob (Zoology) |

The Research Advisory Committee has adopted the following measures to promote research:

- The Committee has been instrumental in setting up of research centers in the Departments of Mathematics and Physics. More faculty members were registered as research guides during this period.

- Motivated the teachers to acquire research degrees (M.Phil, PhD). Thanks to the efforts of the Committee, eight faculty members completed their research work and were awarded PhD degree during this period and nine are pursuing PhD programme at present.

- Disseminated information and motivated the teachers to apply for and take up major and minor research projects. Accordingly, 20 minor and 8 major projects were awarded to the faculty members during this period.
- Encouraged teachers to publish their research findings in cited national and international journals with ISI impact factor.
- The Committee took the lead role in bringing out an international science journal to promote research publications.
- Encouraged teachers to take up collaborative projects with local/national agencies. Thus, Dr. Sabu K. Thomas took up one collaborative project with the financial support of DST.
- Made visible the services and expertise available with the institution in the website for stakeholders and general public.
- Provided facilities for post-doctoral research in the Research Centers of the institution.
- Encouraged research guides to take up the offer of enlistment in reviewer's panel and membership in the editorial board of international and national journals. Dr. Baby Chacko, Dr. Sabu K. Thomas and Dr. George Mathew have been examiners for evaluation of PhD theses from other universities. Some of the faculty members are reviewers of research proposals for funding agencies like DST, MoEF, UGC and KSCSTE.
- Take up the offer of examinership for evaluation of PhD thesis from other universities and evaluation of research proposals from funding agencies like DST/MOEF/UGC/KSCSTE
- Motivated teachers and students to participate in National/International Seminars, Conferences and Workshops at state/ national/ inter-national levels.
- Persuaded the departments to organize seminars/workshops at state/national/international levels with the financial assistance from the College and other funding agencies like UGC, DST etc.
- Assessed the infrastructural requirements for the research and took initiatives for the procurement.
- The institution was the venue for the Second Meeting of the Expert Committee on Physical and Mathematical Sciences and Group Monitoring Workshop (GMW) on Young Scientists' Projects in Physical and Mathematical Sciences.
- The Committee has extended support to researchers to apply for patents.

**3.1.2** *What is the policy of the College to promote research culture in the College?*

St. Joseph's College, Devagiri, considers research to be an integral part of education and is committed to create and maintain a conducive environment for infusing research–oriented culture on the campus. The policy of the College is reflected in:

- Recruiting faculty with PhD and Post Doctoral Qualifications.
- Encouraging faculty without PhD to do research by availing fellowship under FDP of the UGC.
- Motivating staff members to take up research projects.
- Providing infrastructure in the form of library, access to e-journals and state-of-the-art equipment and administrative support to researchers.
- Monitoring the participation and presentation of papers by faculty members in seminars/workshops.
- Integrating project work into the curriculum of every academic programme.
- Constituting a Research Advisory Committee which co-ordinates all the research activities in the institution.

**3.1.3** *List details of prioritized research areas and the areas of expertise available with the College.*

**Table 3.2**

**Major Research Areas of the College**

| Department | Area of expertise |
|---|---|
| Zoology | <ul><li>Entomology</li><li>Ornithology</li><li>Microbial Ecology</li><li>Insect Endocrinology</li></ul> |
| Botany | <ul><li>Angiosperm Taxonomy</li></ul> |
| Chemistry | <ul><li>Polymer Nano Composites and blends</li><li>Organic synthesis</li><li>Catalysis</li><li>Nano-materials</li><li>Computational Chemistry</li><li>Sensor</li></ul> |

| Mathematics | • Topology |
| | • Fuzzy Topology |
| English | • Fiction |
| | • Poetry |
| | • Film studies |
| Physics | • Nuclear physics |
| | • Physical oceanography |
| | • Photovoltaics and Plasmonics |
| | • Material science |
| | • Electronics and Solid State Physics |

*3.1.4  What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/ projects?*

- ✓ *Advancing funds for sanctioned projects*
- ✓ *Providing seed money*
- ✓ *Autonomy to the principal investigator/coordinator for utilizing overhead charges*
- ✓ *Timely release of grants*
- ✓ *Timely auditing*
- ✓ *Submission of utilization certificate to the funding authorities*

The College is committed to encourage the staff and students to take-up research programmes and projects and complete them on time. The proactive mechanisms adopted by the College to ensure the same include:

- Advancing funds for sanctioned projects and providing institutional loans when the sanctioned funds from the funding agencies are delayed.

- Extending all facilities for the timely completion of the sanctioned projects.

- Granting complete freedom to the principal investigator to carry out the project as per the guidelines of the funding agency.

- Releasing the sanctioned grant to the principal investigator promptly on request.

- Briefing all the principal investigators on the effective utilization of sanctioned amount and its proper accounting.

- The Research Advisory Committee assists in the timely auditing and submission of utilization certificate to the funding agencies with the help of the College auditors.

### 3.1.5 How is interdisciplinary research promoted?
#### i. between/among different departments of the College and
#### ii. Collaboration with national/international institutes / industries

**i. Between/among different departments of the College**

At present research is mostly confined to the respective department. However, the College encourages inter-disciplinary research.

- Training on Research Methodology and data analysis using SPSS are provided by the Departments of Statistics and Economics to the students and the faculty of other departments for their project work.
- Departments of Physics and Chemistry have submitted a proposal for an interdisciplinary research project to KSCSTE which is under revision.
- Mr. Thomachan K. T. of the Department of Economics has inter-disciplinary publications with faculty members of the Departments of Commerce and Management.
- The faculty members are permitted to use the facilities of other departments for inter-disciplinary research.

**ii. Collaboration with national/international institutes / industries.**

- Dr. Sabu K. Thomas, Associate Professor in the P.G. & Research Department of Zoology, has engaged Dr. Ilkka Aulis Hanski, Metapopulation Research Group, Department of Biological and Environmental Sciences, University of Helsinki, Finland as Collaborator in a research project.
- Otto Merkl, Hungarian Natural History Museum, H-1088 Budapest, Baross utca 13, Hungary collaborated with Dr. Sabu K. Thomas leading to an international publication.
- Dr. Sabu K. Thomas collaborated with Raj T. Shiju and J. Issac Madani of the Department of Zoology, The New College, Royapettah, Chennai leading to a publication.
- Nithya Sathiandran, Post Graduate & Research Department of Advanced Zoology and Biotechnology, Loyola College, Chennai collaborated with Dr. Sabu K. Thomas in a research project on new species, new synonym, and redescription of Onthophagus.
- Dr. Sabu K. Thomas collaborated with K. Simi Venugopal & Albin T. Flemming Post Graduate & Research Department of Advanced Zoology and Biotechnology, Loyola College, Chennai leading to a publication.

- Venugopal, K.S. and A.T. Flemming, collaborated with Dr. Sabu K. Thomas on a project on Diversity and Community Structure of Dung Beetles associated with semi-urban fragmented agricultural land in the Malabar coast in southern India.
- Dr. Sabu K. Thomas has an ongoing DST project with Dr. Janardhan of the University of Madras.
- Dr. Manoj Mathews of Department of Chemistry has done collaborative research work on Synthesis and Characterization of New Liquid Crystals with Kent State University, Ohio, USA.
- Dr. K. V. Chacko of the Department of Physics has done collaborative research with Naval and Physical Oceanographic Lab, Cochin.
- The PG students of the Department of Mathematics have undertaken collaborative projects with Kerala School of Mathematics (KSOM), Kunnamangalam.

### 3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students.

The College invites researchers of repute to visit the campus and interact with the students and the staff. They are invited to deliver Keynote Address and to handle technical sessions in seminars or workshops. Student interactions and invited talks are also arranged by different departments.

**Table 3.3**
**Eminent Academicians who visited the College (2011-2015)**

| Department | Name of the Academician/Researcher | Date of Visit |
|---|---|---|
| General Function | His Excellency Dr. A.P.J. Abdul Kalam, Former President of India | 18-02-2011 |
| | Rev. Dr. Thomas Chathamparampil Vice Chancellor of Christ University, Bangalore | 17-12-2013 |
| | Prof. M. Lakshmanan, Prof. of Eminence & Ramanna Fellow, Centre for Nonlinear Dynamics, Bharathidasan University, 620 024 | 10- 01-2012 |
| | Prof. D. Narayana Rao, School of Physics University of Hyderabad, Hyderabad - 500 046 | 10- 01-2012 |
| | Prof. Ratneshwar Jha, PROBE Diagnostics Division, Institute for Plasma Research Bhat, Gandhinagar, Gujarat – 382 428 | 10- 01-2012 |

| | | |
|---|---|---|
| Chemistry | Dr. G. Unnikrishnan, Professor, Dept. Of Chemistry, NITC | 18-10- 2011 |
| | Mr. Joseph Chacko, Scientific Officer, RRII, Kottayam | 9 -02- 2012 |
| | Prof.  Mormann Werner, Professor Emeritus, University of Siegen, Germany | 5- 12- 2014 |
| | Prof.  Thomas Mathew, Loker Hydrocarbon Research Institute, University of Southern California, Los Angeles. | 25-07-2015 |
| Botany | Dr. Beena M. R.   Scientist, Plant Virus Department  Leibniz- Institute DSMZ – Germany | 26-03 -2015 |
| Mathematics | Prof. S Thangavelu, Department of Mathematics, Indian Institute of Science, Bangalore – 560 012 | 10- 01-2012 |
| | Prof. Ganapathy Baskaran, The Institute of Mathematical Sciences, C I T Campus, Tharamani Chennai - 600 113 | 10- 01-2012 |
| | Prof. U C Gupta, Department of Statistics IIT, Kharagpur- 721 302 | 10- 01-2012 |
| Economics | Dr. M.Sarangadharan, Director, SNES IMSAR, Formerly Professor & Head & Ex-Dean, Faculty of Commerce, University of Kerala | 04 -03-2013 |
| | Prof. Radhakrishnan N, Associate Professor, Dept of Economics, Guruvayoorappan College, Calicut | 12-03-2015 |
| English | Dr. Jacob George C., Associate Prof. Dept. of English, U.C. College Aluva | 04-02-2014 |
| | Dr. N.P. Ashley, Asst. Prof., Dept of English, St. Stephen's College, Delhi. | 20-07-2013 |
| Computer Science | Prof. Dilbagh Singh Broca, Professor, XLRI, Jamshedpur | 27-07-2015 |
| | Mr. Gopalakrishnan, System Analyst, NIT, Calicut | 25-02-2014 |
| Commerce | Dr. Saji Gopinath, Dean, IIMK Calicut | 02-01-2014 |
| | Mr. Ajith Kumar R., CEO, Govt. Cyber Park | 09-01-2014 |
| | Dr. K. Sivarajan, Dean, University of Calicut | 16-11-2013 |
| MSW | Mr. V. J. Jose, Director, Periyar River Keeper, | 15-10-2011 |
| | Dr. Kurian Joseph, Professor, Anna University, Chennai | 15-10-2011 |
| | Dr. Sunil De Santha, Asst. Professor, TISS, Mumbai | 15-10-2011 |
| | Dr. Debal Deb, Chairperson, Center for Inter Disciplinary Studies, Kolkata | 10-11-2012 |

| | | |
|---|---|---|
| MSW | Fr. Joy James, Convener, Kerala State Child Line Forum | 26-10-2013 |
| | Fr. Prashanth P., Principal, SH college, Thevara | 26-10-2013 |
| Physics | Prof. Parthasarathi Mitra, Saha Institute of Nuclear Physics, Kolkata- 700 064 | 10- 01-2012 |
| | Prof. C.V. Tomy, Department of Physics Indian Institute of Technology Bombay, Powai Mumbai – 400 076 | 10- 01-2012 |
| | Prof. Alok Saxena, Nuclear Physics Division Bhabha Atomic Research Centre, Trombay Mumbai | 10- 01-2012 |
| | Prof. A. Srinivasan, Department of Physics IIT, Guwahati | 10- 01-2012 |
| | Prof. Sanjai Kumar, Department of Physics, Banaras Hindu University, Varanasi | 10- 01-2012 |
| | Prof. Ranjan Gupta, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind Pune | 10- 01-2012 |
| | Praveen Kumar S., Scientist, Department of Science & Technology, New Delhi | 10- 01-2012 |
| | Prof. Maithili Sharan, Centre for Atmospheric Sciences (CAS), IIT Delhi, Hauz Khaz, New Delhi | 10- 01-2012 |
| | Dr. Jose Mathew, Student Dean, University of Calicut | 6-2-2012 to 10-02-2012 |
| | Dr. Reji Philip, Associate Professor, RRI Bangalore | 22-09-2012 |
| | Dr. Jayant Ganguly, Technical Assistant, Regional Science Centre, Calicut | 22-09-2012 |
| | Dr. M. Abdul Salam, Hon. Vice Chancellor, University of Calicut | 21-08-2013 |
| | Ajay E., Aerodrome officer, HAL International Airport, Bangalore | 22-08-2013 |
| | Dr. T. R. Ananthakrishnan, Visiting faculty, International School of Photonics, CUSAT | 6-01-2015 |
| | Dr. K. Papootty, Former President Kerala Sastra Sahitya Parishad | 22-01-2015 |
| Psychology | Dr. C. Jayan, Head, Department of Psychology, University of Calicut | 20-02-2015 |

| | Dr S. Janardhanan, Dept. of Zoology, University of Madras | 08-10-2014 |
|---|---|---|
| | Prof. R. Varatharajan, Dept. of Zoology, University of Manipur. | 23-03-2014 |
| Zoology | Dr. Anitha P.M., Associate Professor, Dept. of Microbiology, Medical College, Calicut. | 01-12- 2011 |
| | Dr. Joslet Mathew, Principal, Nirmalagiri College, Koothuparamba | 6 -02- 2015 |
| | Dr. Sheela Mathew, Associate Professor, Govt. Medical College, Calicut | 1-12- 2014 |
| BBA | Kerry Lawson, Yoga Instructor, Yoga teacher trainer, Nova Scotia, Canada | 23-01-2014 |

*3.1.7   What percentage of faculty has utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?*

Presently the College does not have any provision for granting sabbatical leave for research activities. However, the institution encourages the faculty members to avail FDP of the UGC to pursue M.Phil and to complete PhD programmes.

**Table 3.4**
**Faculty members who availed FDP of UGC (2011-15)**

| PhD Completed | PhD Pursuing |
|---|---|
| Dr. Baby M. K. | Mr. Issac S. I. |
| Dr. K. V. Chacko | Mr. Dennis Joseph |
| | Ms. Remya K. |

*3.1.8   Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.*

**Table 3.5**
**National Conferences/seminars/workshops**
**conducted by the College (2011-2015)**

| Name of the Conference | Resource Person | Date |
|---|---|---|
| **Economics** | | |
| UGC – National workshop on "The Role of Econometric Analysis in Research & Development" | Dr. K. P. Mani (Prof., Dept. of Economics, University of Calicut), Dr. T. Sampathkumar (Associate Prof., Govt. Arts College, Coimbatore) | 18 and 19 August 2011 |

| | | |
|---|---|---|
| UGC-National Workshop on "Time Series Analysis for Teaching & Research" | Dr. K. P. Mani (Prof., Dept. of Economics, University of Calicut), Dr. Vijayamohan Pillai N. (Prof., Centre for Development Studies, Thiruvananthapuram), Dr. T. Sampathkumar (Associate Prof., Govt. Arts College, Coimbatore), Dr. Shyjan D., Asst. Prof, Dept. of Economics, University of Calicut) | 1 to 4 December 14 |
| **English** | | |
| "New Cultural Studies: A Critical Investigation" | Mr. M.V. Narayanan, Prof. and Head, Department of English, University of Calicut Dr. N.P. Ashley, Asst. Prof., Dept. of English, St. Stephen's College, Delhi Dr. Siby James, Asso. Prof., St. Thomas College, Pala Dr. M. N. Parasuraman, Asst. Prof., Dept of English, Govt. Women's college, Trivandrum Dr. Jacob George C., Associate Prof. Dept. of English, U.C. College Aluva | 13 and 14 October 2014 |
| **B.Com Computer Application** | | |
| A one-day National seminar on "Financial Services, Markets And Literacy" | Mr. P.J. Santhosh Kumar, Christ University, Bangalore Dr. M.K. Baby, HoD, Department of Commerce, St. Joseph's College Devagiri, Calicut | 14-07-2014 |
| **Physics** | | |
| National Seminar on "Recent Trends in Climate & Impact of Climate Change on South-West India" . | Prof. P.V. Joseph, Emeritus Professor, CUSAT, Former Director, IMD, GoI Dr. M.R. Ramesh Kumar, Deputy Director & Scientist G, NIO, Goa Dr. P.V. Hareesh Kumar, Senior Scientist, NPOL Prof. Prasad Rao, Kerala Agricultural University. | 11-10-2011 |

| Social work | | |
|---|---|---|
| "E-waste A Question of Future" | Mr. V. J. Jose, Director, Periar River Keeper. Dr. Kurian Joseph, Prof. Anna University, Chennai. Dr. .Sunil De Santha, Assi. Prof. TISS, Mumbai. Dr. Kurian Joseph | 15-10-2011 |
| "Food security – A Millennium Challenge" | Dr. Debal Deb, Chair person, Center for Inter Disciplinary Studies, Kolkata | 10-11-2012 |
| "Social work - Changing Perspectives and Exploring Social Realities". | Fr. Joy James, Convener, Kerala State Child Line Forum, Fr. Prashanth Palakkapalli, Principal, SH College Thevara | 26-10-2013 |

***3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).***

The College takes all efforts to disseminate the research findings to the students and to the community at large. Certain departments of the College encourage the PG students to make seminar presentations on the basis of published research articles. This is useful to expose the students to the areas of contemporary research.

- Research findings from the College led to developing control measures for the home invading nuisance-beetle, which is present all around the State and the findings have been published in the website of the College and through popular articles.
- Research team responds to the emails received from the general public during pre-summer rains and provide solutions based on their requirements.
- Recently, research team from the Zoology Department has provided the expertise for controlling the home invading nuisance beetles without pesticides in the Kerala State Govt. run Krishna Menon Museum where the use of pesticide is not permitted.

*3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)*

**Table 3.6**
**Details of Faculty Involved in Research**

| Sl. No | Name of the faculty | Department | No. of Ph. D Students Guided | | | Projects | | No of Publications |
|--------|---------------------|------------|--------|-----------|------------|-------|-------|---|
| | | | Awarded | Submitted | Registered | Major | Minor | |
| 1. | Dr. Sabu K. Thomas | Zoology | 4 | - | 7 | 3 | - | 34 |
| 2. | Dr. Boby Jose | Zoology | - | - | 1 | - | - | 5 |
| 3. | Dr. Benny T.M. | Zoology | 1 | - | 1 | - | 1 | 0 |
| 4. | Dr. Baby Chacko | Mathematics | - | - | 3 | - | - | 10 |
| 5. | Dr. TK Muraleedharan | Mathematics | - | - | - | 1 | - | 1 |
| 6. | Dr. Nagesh S. | English | - | 1 | 3 | - | - | 1 |
| 7. | Dr. Salil Varma R. | English | - | - | 4 | - | - | |
| 8. | Dr. Tania Francis | Chemistry | - | - | - | 2 | - | 4 |
| 9. | Dr. Manoj Mathews | Chemistry | - | - | - | 1 | - | 5 |
| 10. | Dr. Ranimol Stephen | Chemistry | - | - | 1 | 1 | - | 4 |
| 11. | Dr. Renjis T. Tom | Chemistry | - | - | - | 1 | - | 0 |
| 12. | Dr. Sibichan M. Thomas | Botany | - | - | 1 | 1 | - | - |
| 13. | Dr. Santhosh Nambi | Botany | - | - | - | 1 | 1 | 18 |
| 14. | Dr. Satheesh George | Botany | - | - | 3 | - | 1 | 11 |
| 15. | Dr. Delse Sebastian | Botany | - | - | 1 | - | 1 | 1 |

* In addition to this, 16 faculty members have ongoing Minor Projects.

### 3.2 Resource Mobilization for Research

*3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.*

St. Joseph's College, Devagiri, being a grant-in-aid institution, without financial autonomy, does not have any budget allocation for research. But during the last four years the College has availed a total of Rs. 1,78,34,116 from the UGC which has been fully utilized for major and minor projects, conduct of seminars and procurement of research equipments.

*3.2.2 What are the financial provisions made in the College budget for supporting student research projects?*

The College does not set aside any amount for supporting student projects in the budget. But the institution allows sufficient amount to the departments for the purchase of chemicals, equipments, and glassware required for the student projects. The College also financially supports the training programmes on research methodology and data analysis using SPSS, conducted by the Departments of Economics and Statistics.

*3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?*

The College does not provide any seed money for faculty research but it permits the staff members to make use of all the laboratory and other infrastructural facilities available on the campus to carry out their research programmes.

*3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.*

The Institution extends all support to faculty members for taking up research projects and to file for patents.

**Table 3.7**

**Details of Patents sanctioned to/Applied by the Faculty Members**

| Type of Patent | Name of the Faculty | Title of the Patent | Applied / Granted | Patent Number |
|---|---|---|---|---|
| International | Dr. Manoj Mathews | Optically Responsive Chiral Compound | Granted | JP2010030997 |
| International | Dr. Ranimol Stephen | Segmented Polyarylene Ether-Block Copolymers | Granted | US 8524853 B2 |
| International | Dr. Saumya Varghese | Metal Oxide Modified and Unmodified Molecularly Imprinted Conducting Polymer Film Based Aqueous | Granted | Publication number US20130306485 A1 |
| International | Dr. Saumya Varghese | Nano Structured Silver Oxide Film Based Aqueous Voltammetric Pesticide Sensor and the Process of Preparing Said Sensor. | Granted | WIPO Pub. No. WO2013/114404 A1 |
| National | Dr. Aswathi P. | Process for The Preparation of a Formulation Named Muplikill for Control of the Home Invading Nuisance Pest, Mupli Beetles (Luprops Tristis) | Applied | Application No. 4360/CHE/2012 |

*3.2.5  Provide the following details of ongoing research projects:*

**Table 3.8**

**Details of ongoing Research projects**

|  | UGC | DST | KSCSTE | Total Grants Received |
|---|---|---|---|---|
| Minor | 19 (38,45,000) | Nil | Nil | 38,45,000 |
| Major | 2 (17,38,000) | 3 (74,17,000) | 1 (14,85,600) | 1,06,40,600 |

**Table 3.9**

**List of Ongoing Research Projects**

| Name of faculty | Title of the project | Years of sanctioning | Funding agency, sanctioned Amount(Rs.) |
|---|---|---|---|
| **Major** | | | |
| Dr. Renjis T. Tom | Green Chemistry on Continuous flow Reactor supported with Palladium and Metal Oxide Nanocatalysts. | 2014-15 | UGC 8,03,000 |
| Dr. Manoj Mathews | Bent-core Nematic Liquid Crystals: Synthesis and Characterization of New Materials for Novel Applications. | 2014-15 | DST-SERB 23,00,000 |
| Dr. Ranimol Stephen | Fabrication of Thermoplastic-Polyhedral Oligomeric Silsesquioxane Nanocomposite Films for Gas Barrier Applications | 2014-15 | DST-SERB 17,88,000 |
| Dr. Muralee-dharan T. K. | Weak C-set-S-set Problem and Related Problems in Spectral Synthesis | 2012-13 | UGC 9,35,800 |
| Dr. Sabu K. Thomas | Taxonomy and Bar-coding of South Indian Carabidae (Insecta: Coleoptera). | 2014-15 | DST-SERB 33,29,000 |
| Dr. Sibichen M. Thomas | Taxonomic Revision of the Genus Osbekia L. (Melastomataceae) in India. | 2013-14 | KSCSTE 14,85,600 |
| **Minor** | | | |
| Dr. Satheesh George | Chemotaxonomic Investigation of the Genus Justicia in Kerala | 2014-15 | UGC 1,75,000 |

| Dr. Delse P. Sebastian | Influence of Abiotic Stress Signals on Secondary Metabolite Accumulation in Vitro Cultures of Oldenlandia Corymbosa Linn. - an Important Antitumourous and Antimalarial Medicinal Plant | 2014-15 | UGC 3,20,000 |
|---|---|---|---|
| Dr. Aswathi P. | Control of the Home Invading Darkling Beetle, *Mesomorphus villager* and Analysis of the Dormancy Related Variation in Insecticide Susceptibility. | 2014-15 | UGC 215000 |
| Ms. Shobha C.V. | Gold as a Safer Investment Alternative among Small and Medium Investors: With Special Reference to Kozhikode District | 2013-14 | UGC 30,000 |
| Mr. Jobin George | Self Help Groups (SHGS) and the Socio-Economic Empowerment of Fishermen Communities: With Special Reference to the Kozhikode District of Kerala | 2013-14 | UGC 50,000 |
| Mr. Akhin P. | A Study on Customers' Satisfaction on Services Provided by Depository Participants in Calicut City. | 2013-14 | UGC 50,000 |
| Mr. Anish Sebastian | A Study on Attitude of Investors towards Financial Derivatives with Special Reference to Kerala State | 2014-15 | UGC 1,30,000 |
| Fr. Anto N. J. | Agrarian Shift and Change in Livelihood Strategies: A Changing Demography among Migrated Syrian Christians in North Malabar | 2013-14 | UGC 1,33,000 |
| Lt. Devasia P. A. | Marxism in Contemporary Hindi Poetry | 2013-14 | UGC 1,30,000 |
| Dr. Joby K. Jose | A Study on Some Generalised Lifetime Distributions | 2013-14 | UGC 1,55,000 |
| Dr. Anjaly Jose | A Study on Some properties of invertible L-topological spaces | 2013-14 | UGC 1,75,000 |

| Mr. Asha Mathew | Fish Economy of Kerala: An Enquiry of the Role of Middlemen in the Marketing Process | 2014-15 | UGC 2,50,000 |
|---|---|---|---|
| Mr. Robin Xavier | Hegemonies of Class, Cast, Gender and Ethnicity: the POlitics of (De) Stereotyping in the New Generation Malayalam Cinema | 2014-15 | UGC 60,000 |
| Dr. Benny Joseph | Preparation and Characterization of Nano Structured Tin Oxide Thin Films for Gas Sensing Applications | 2014-15 | UGC 4,50,000 |
| Dr. R. Sreekumar | Preparation and Characterization of Graphene Based Polymer Nanocomposites | 2014-15 | UGC 4,50,000 |
| Dr. Meril Mathew | Preparation and Charecterization of Cadmium Free Buffer Layers for Photovoltaic Application Using Chemical Methods. | 2014-15 | UGC 4,55,000 |
| Mr. Albert Thomas | Preparation and Nonlinear Characterization of AG/PVP Nanocolloids | 2014-15 | UGC 3,90,000 |
| Dr. Benny T. M. | Effect of Juvenile Hormone Analogues and Ecdysone Agonists on Egg Hatchability, Larval Development and Expression Profile of Egg Proteins in *Spodoptera mauritia* Boisdual (Lepidoptera: Noctuidae) | 2014-15 | UGC 97,000 |
| Dr. Vineesh P. J. | Taxonomy of Cowdung Associated Staphylinidae, (Coleoptera) from an Agroecosystem in Kozhikode DIstrict, Kerala. | 2014-15 | UGC 1,30,000 |
| Fr. Biju Joseph | NREGP Means for Women Empowerment | 2011-12 | UGC 90,000 |

*3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.*

Departments of Zoology and Botany were recognised by DST/ FIST in 2002 and 2003 respectively. In 2006 the Department of Botany received Selective Augmentation of Research & Development (SARD) of Kerala State Council for Science, Technology and Environment (KSCSTE). In 2012 all the PG Science Departments (Zoology, Chemistry, Physics, Botany and Mathematics) of the College were awarded DST/FIST assistance.

*3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/ National/International agencies).*

### Table 3.10
### The list of Research Projects Completed in the Last Four Years

| Name of the Faculty | Title of Project | Period | Funding Agency and Sanctioned Amount (Rs.) |
|---|---|---|---|
| **Major** | | | |
| Dr. Tania Francis | Development of Chitosan Reinforced Polymer Nano composites | 2009-13 | DST-SERC 19,92,000 |
| Dr. Tania Francis | Development of Composites Based on Poly(urethane) and Arecanut Leaf Fibre Derived Cellulose | 2013-15 | KSCSTE 7,60,000 |
| Dr. Sabu K. Thomas | Dung Specificity, Guild Structure, Seasonality and Species Composition of Dung Beetles (Coleoptera: Scarabaeinae) Associated with the Dung Droppings of Major Mammals and Composition of Arboreal Dung Beetles in the Western Ghats. | 2010- 13 | MoEF 9,28,116 |
| Dr. Sabu K. Thomas | Biocontrol of Mupli Beetles by Aggregation Pheromones and Control of Premature Leaf Fall in Rubber Plantations | 2009-12 | KSCSTE 10,09,800 |
| Dr. Santhosh Nampy | Taxonomic Revision of the Genus Murdannia Royle (Commelinaceae) in India | 2011-14 | KSCSTE 14,61,000 |

| Minor | | | |
|---|---|---|---|
| Dr. Sibichen M. Thomas | Invitro Multiplication, Cultivation and Post Harvest Management of Anthuriums | 2010-12 | UGC 1,05,000 |
| Dr Jojo Joseph | Invitro Evaluation of the Genoprotective Effect of Two Species of Averrhoal | 2011-13 | UGC 2,00,000 |
| Dr. Santhosh Namphy | Anatomical and Cytological Studies on Some Genera of Commelinaceae | 2009-11 | UGC 1,35,000 |

## 3.3    Research Facilities

### 3.3.1    What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?

The College is committed to creating necessary infrastructure to facilitate research activities. In the last five years, the College has substantially strengthened the basic research facilities by availing CPE, DST, GDA, BSR and Additional Grants. The institution encourages major research projects funded by national and state-level funding agencies such as UGC, DST, KSCSTE etc. Each research department maintains separate research rooms for the smooth conduct of research with sufficient number of computers and internet facilities.

### 3.3.2    Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.

The central library of the College, with INFLIBNET facility is the main information resource centre for the researchers. In addition to online journals, hard copies of a few research journals published in India are also available.

The College has a Research Advisory Committee which caters to the needs of researchers. The Committee follows the notifications of different funding agencies and brings their invitations for major/minor projects to the notice of the faculty members.

### 3.3.3    Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?

The College has separate hostel facilities for men and women where accommodation is available to research scholars. The scholars can use computers and internet facilities available in the library, computer lab and in the research rooms  attached to the departments.

### 3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.

The College does not have a specialized research centre. But the facilities are available in the centers attached to the respective departments.

**Table 3.11**

**Major equipment available for research**

| Sl. No | Description | Value |
|---|---|---|
| 1 | Z-Scan System ( Physics ) | Rs. 4,02,400 |
| 2 | Spin Coating Machine (Physics ) | Rs. 1,35,000 |
| 3 | Ultrasonic Processor 750W220V( VCX-750-220) | Rs.3,62,000 |
| 4 | Stereo Microscope with Camera attachment | Rs.4,20,000 |
| 5 | UV spectrophotometer | Rs. 3,99,000 |
| 6 | Gel documentation system | Rs. 4,83,900 |
| 7 | Fourier Transform Infrared Spectrometer | Rs. 9,49,160 |
| 8 | LCR Meter with Kelvin clip leads | Rs. 2,15,234 |
| 9 | Refrigerated centrifuge | Rs. 4,25,342 |
| 10 | Rotavapor | Rs. 2,80,000 |

### 3.3.5 Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Departments of Chemistry, Botany, Zoology, Physics, Mathematics and English are recognized by the affiliating university as centers of research.

FTIR and Lyophiliser (Freeze driver) available with the department of Chemistry are shared with National Institute of Technology, Calicut and the Department of Chemistry of the University of Calicut.

The research center attached to the Department of Zoology has national recognition. Research scholars and PG students from various other institutions avail the expertise of the centre for their research activities including taxonomical identification of the specimens.

## 3.4 Research Publications and Awards

**3.4.1** *Highlight the major research achievements of the College through the following:*

- *Major papers presented in regional, national and international conferences/ seminars*
- *Publication per faculty*
- *Faculty serving on the editorial boards of national and international journals*

**Table 3.12**

**Details of Papers Presented by the Faculty (2011-2015)**

| Year | Number of Papers Presented | | |
|------|----------|----------|---------------|
|      | Regional | National | International |
| 2011 | Nil | 14 | 12 |
| 2012 | 3 | 13 | 4 |
| 2013 | 4 | 16 | 1 |
| 2014 | 1 | 15 | 1 |
| 2015 | Nil | 10 | 2 |
| Total | 8 | 68 | 20 |

**Table 3.13**

**Details of Publications by the Faculty (2011-2015)**

| Year | Number of publications | | |
|------|----------------|--------|-------------------------------|
|      | Books/ chapters | Papers | Seminar/Conference proceedings |
| 2011 | 5 | 29 | 15 |
| 2012 | 5 | 65 | 8 |
| 2013 | 2 | 37 | 8 |
| 2014 | 3 | 31 | 1 |
| 2015 | 7 | 20 | Nil |
| Total | 22 | 182 | 30 |

**Table 3.14**

**Faculty Serving on the Editorial Boards of National/International Journals**

| Name of the Faculty | Department | Name of the Journal | National/ International |
|---|---|---|---|
| Dr. Sibichen M. Thomas | Botany | Chief Editor, *Devagiri Journal of Science* | International |
| Dr. Tania Francis | Chemistry | *Devagiri Journal of Science* | International |
| Dr. Tania Francis | Chemistry | *Polymer International, Polymer Sci & Engg – Reviewer* | International |
| Dr. Ranimol Stephen | Chemistry | *Devagiri Journal of Science* | International |
| Dr. Renjis T. Tom | Chemistry | *Devagiri Journal of Science* | International |
| Dr. Meril Mathew | Physics | *Devagiri Journal of Science* | International |
| Dr. K.V Chacko | Physics | *Devagiri Journal of Science* | International |
| Dr. Sabu K. Thomas | Zoology | *Hexapoda; Journal of Insect Biodiversity* | International |
| Dr. Sabu K. Thomas | Zoology | *Devagiri Journal of Science* | International |

**Table 3.15**

**Faculty Members on the Organization Committees of International Conferences**

| Name of the Faculty | Department | Organizations /Societies |
|---|---|---|
| Dr. Tania Francis | Chemistry | Society of Polymer Technologists in India |
| Dr. Ranimol Stephen | Chemistry | American Chemical Society, Rubber Division |
| Dr. Ranimol Stephen | Chemistry | Indian Rubber Research |
| Mr. T. K. Muraleedharan | Mathematics | The Indian Mathematical Society |

*3.4.2    Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?*

The College publishes two research journals namely, *Devagiri Journal of Science*, an International Interdisciplinary Journal and *Advanced Social Work Journal*, a National Journal.

**Composition of the Editorial Board**

*Devagiri Journal of Science* (ISSN 2459-2091) of which the Principal is the Chief Editor, has renowned academicians in the disciplines of Biology, Chemistry and Physics from within the country and abroad as editors. The Editorial Board which has forty seven experts of which twelve are from foreign institutions who also serve as reviewers.

*Advanced Social Work Journal* (ISSN 2395-4868) published with faculty members of the Department of Social Work on the Board has a panel of academicians and well known social activists as reviewers.

**Publication Policy**

The College follows a policy of publishing articles, original research papers, manuscripts and reviews from research scholars, academicians, industrialists and analysts in the core and its related disciplines. Papers submitted must be original in nature and no part of it should have been considered for publication in any other journal. The author is solely responsible for ensuring the originality of the paper and the authenticity of the findings.

*3.4.3  Give details of publications by the faculty:*
- *Number of papers published in peer reviewed journals*

*Table 3.16*
*Number of papers published in peer reviewed journals*

| Research publications | 2011 | 2012 | 2013 | 2014 | 2015 | Total |
|---|---|---|---|---|---|---|
| Publications in national/ international journals | 29 | 60 | 32 | 31 | 12 | 164 |
| Books | 1 | 1 | Nil | 1 | 6 | 9 |
| Edited books | 1 | Nil | 1 | 2 | 1 | 5 |
| Chapters in books | Nil | 3 | Nil | Nil | Nil | 3 |

- *Books with ISBN numbers with details of publishers*
  - Binoy Varakil, Voice in the Wind (poems) Lipi Publications, Kozhikode, 2012 ,ISBN 81 88015970
  - Binoy Varakil, Stone Rivers (Poems), Create Space, Amazon, USA, 2015, ISBN-1512138967
  - Binoy Varakil, Birds and a Girl (Poems), Create Space, Amazon, USA, 2015, ISBN-1477406247
  - Binoy Varakil, A Sparrow, Squirrel and an Old Tree, Create Space,

Amazon, USA, 2015 ISBN-151222331

> Binoy Varakil, Here is Light, Create Space, Amazon, USA, 2015 ISBN-1512312568
> Binoy Varakil, The River that carries Gold, Create Space, Amazon, USA, 2015 ISBN-1514311097
> Binoy Varakil, Mountains, Rivers and Soldiers, Penguin  Random House,USA, 2015, ISBN-1514131935
> Dennis Joseph, Trans. Istambul. By Orhan Pamuk, DC Books, 2011, ISBN 9788126416097
> Dennis Joseph, Trans. Midnights Children. By Salman Rushdie, DC Books, 2014, ISBN 9788126418978

- **Citation Index – range –** 1 to 29
- *SNIP* - 0 .0 to 1.597
- *SJR*  -  0 to 2.425
- *Impact factor – range / average -* 0 to 6.63

*3.4.4    Indicate the average number of successful M.Phil and PhD. scholars guided per faculty.*

**Table 3.17**
**Scholars Supervised by Research Guides**

| Name of the Research Guide | Department | Number of Scholars | |
|---|---|---|---|
| | | Awarded/ Submitted | Pursuing |
| Dr. Sabu K. Thomas | Zoology | 4 | 7 |
| Dr. Boby Jose | Zoology | 0 | 1 |
| Dr. Benny T.M. | Zoology | 1 | 1 |
| Dr.  Baby Chacko | Mathematics | 0 | 3 |
| Dr. Nagesh S. | English | 1 | 3 |
| Dr. Salil Varma R. | English | 0 | 4 |
| Dr. Ranimol    Stephen | Chemistry | 0 | 1 |
| Dr. Sibichan M. Thomas | Botany | 0 | 1 |

### 3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?

St. Joseph's College, Devagiri, is committed to ensure that all the research activities of the institution are carried out by adhering to ethical practices and that researchers abstain from all sorts of malpractices and misconduct which may affect the dignity of research. The College follows the norms of the affiliating university in respect of plagiarism and misconduct in research.

### 3.4.6 Does the College promote inter-disciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavor.

The College encourages all initiatives towards inter disciplinary research. Departments of Physics and Chemistry have submitted a proposal for an interdisciplinary research project to KSCSTE which is under revision. Mr. Thomachan K. T. of the Department of Economics has inter-disciplinary publications with faculty members of the Departments of Commerce and Management.

### 3.4.7 Mention the research awards instituted by the College

The College has instituted an award in honour of Rev. Dr. Joseph Kappalumakal CMI, former Principal, for the best research paper published by staff/student in international/national/regional journal.

### 3.4.8 Provide Details of Research awards received by the faculty

Dr. Tania Francis received award for the Best Paper Presentation in the UGC sponsored national seminar on "Challenges in Nano-Science and Technology (CNT 2011)" held at the Department of Chemistry, St. Teresa's College, Ernakulam in association with the Inter University Centre for Nano-materials and Devices, Cochin University of Science and Technology.

### 3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

The faculty members who receive recognition or awards at national and international levels are honored on the College Day. Teachers who successfully complete their M.Phil and PhD programmes are felicitated in the staff meetings.

## 3.5　Consultancy

### 3.5.1　What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.

Consultancy in a structured way is not yet undertaken by the College. Hence the institution's policy for structured consultancy is not clearly spelt out. But the College encourages the faculty members to provide consultancy services in their specialized areas of knowledge and expertise.

- The research team of the Department of Zoology offers consultancy on prevention of home invading nuisance beetles without using pesticides, to Krishna Menon Museum run by the State Government and to certain private institutions like Maruthi Suzuki, Guragon.

- Dr. Delse P. Sebastian,  Department of Botany, is a  Biodiversity Consultant on Gratis of Environmental Engineers and Contractors, New Delhi.

- Mr. Manudev K.M. is a subject expert for biodiversity assessment in Ecologically Fragile Land (EFL) dispute cases.

- Dr. Tania Francis, Department of Chemistry, procured Lyophiliser (Freeze drier,) under DST-FAST Track Project for Young Scientist and she extends the utilization of it and her expertise to B.Tech and M.Tech project fellows of NITC.

- Faculty members of the Botany Department offer service in identifying plants for Kottakkal Aryavaidyasala, a well known Ayurvedic hospital in Kerala.

- Departments of Statistics and Economics provide assistance on data analysis to researchers and students of other institutions.

- UG and PG students of the nearby Government Medical College, Calicut avail the service of the Department of Statistics for their project work.

- Department of Zoology provides assistance on water quality test to different NGOs and Local Bodies.

- Dr. Sanathanan Vellua, Head of Department of Economics, is a well known HR Trainer in Kerala. He offers his service to many schools and institutions.

Consultancy in the College is mostly on a voluntary basis and consultancy fees are not levied.

### 3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?

The College has an Entrepreneurial Development Club, with students of the Departments of Commerce, Management and Economics as members. The Club arranges entrepreneurship motivation classes for members and provides facilities for interaction with successful entrepreneurs. The College has a Career and Placement Cell which maintains good rapport with industries and recruitment agencies. Many students make use of this facility to build their career.

### 3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.

The consultancy services have been publicized through the College website. Word-of-mouth publicity and the alumni are the other modes by which College's expertise is brought to the notice of the public. The departments which are involved in the consultancy services are Zoology, Botany, Chemistry Statistics, Economics, and Languages.

### 3.5.4 How does the College encourage the faculty to utilize the expertise for consultancy services?

The College does not impose any restriction on the staff who offers consultancy services. It allows the faculty members to make use of institution's infrastructure facilities for extending such services.

### 3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.

The broad areas of consultancy services provided by the College are:

- Plant identification(Botany)
- Pest Control (Zoology)
- Nano Science – instruments (Chemistry)
- Translation(French, English)
- Data analysis (Statistics, Economics)
- Sports (Physical Education)

These services are offered by the institution on honorary basis.

## 3.6 Extension Activities and Institutional Social Responsibility (ISR)

### 3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.

The institution's commitment to the stakeholders and to the community at large is reflected in its vision and mission statements. The College tries to translate its social commitment into action through different outreach programmes organized.

- Compulsory Social Service (CSS) has been made mandatory for the UG students by the affiliating university. Accordingly UG students have to complete 15 days of social service during the period of the programme to be eligible for the award of degree.

- Participation in the activities of NSS sensitizes the students to social realities and inculcates a sense of caring for the deprived and the marginalized.

- Frequent visits to "*Ashakiran*", a School for differently abled children expose the students to the problems of these children and their families.

- Students, under the banner of the College Union and various other forums functioning in the College, volunteer to supply food to the inmates of *"Akashaparava*", a home of destitutes. Students also follow the practice of celebrating special days such as Christmas, New-Year and Onam with the destitutes.

- The Department of Social Work undertakes a number of outreach programmes like *Prayan*, a project for the conservation of Ponoor River and Child Volunteer Group(CVG), an initiative in collaboration with the Childline to involve the College students in child protection.

- The Department of Zoology with the support of the management, staff and students constructed a house for a deserving student at a cost of Rs.4,95,000/-

- The Blood Donors' Forum of the College is an important arm of the institution for its social outreach initiative.

### 3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?

The College has two actively functioning NSS units with a total enrolment of 200 volunteers. They have developed a well knit network with the neighborhood through students' involvement in community development programmes. Our students are actively involved in the activities of the Pain and Palliative Centre attached to the Government Medical College. The Blood Donors' Forum of the College co-ordinates blood donation by the students. On an average our students donate 400 units of blood every year. The Department of Social Work has been successful in building up a good rapport with the community where their outreach programmes are organized. These efforts contribute positively to the holistic development of the students on the one hand and to the sustained community development on the other.

### 3.6.3 How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- The College has two NSS units which are very vibrant. NSS arranges several leadership training programmes for its members. The annual Seven Day Camp exposes the volunteers to rural life. NSS ensures the members' participation in the programmes organized by the College to observe various days of national importance.

- The College has two wings of NCC (Army and Navy). The vibrant cadets of the College have brought laurels to the institution. The cadets of the College participate in activities such as National Integration Camp (NIC), Republic Day Parade, and Youth Exchange Programme with international agencies.

- The College follows a policy of encouraging students to take part in these programmes and are given relaxation in attendance for participating in programmes of NSS and NCC.

### 3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?

The Department of Social Work during the last four years has conducted a number of social surveys as part of students' project work. Survey on cancer awareness in Thavinjal Punchayath, Wayanad, survey on waste management in

Ponoor Panchayath and survey on gender hierarchy among the disabled are some of them. The Department of Social Work has also initiated a socio-economic survey in Koduvally in collaboration with ICDS.

***3.6.5 Give details of awards / recognition received by the College for extension activities / community development work.*** Nil

***3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated?***

Community service has been integrated into the curriculum of the UG programmes with Compulsory Social Service (CSS). All the extension activities of the College are arranged with the objective of providing holistic education to the students.

Students of the College are engaged in activities such as:

- Maintaining the campus green, clean and plastic free
- Blood donation to the patients in need
- Collecting food and cloth for the destitute.
- Visits to the schools for differently abled
- Visits to Calicut Mental Health Hospital and the District Jail
- Construction of 'House For A Friend'
- Visits and Services in *Adivasi* Settlement.

These programmes are useful in moulding students into responsible citizens by sensitizing them on social issues and exposing them to the sufferings of the underprivileged sections of the society.

***3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.***

All the outreach programmes of the College are undertaken with a view to addressing the felt need of the local community. The Department of Social Work which undertakes Socio-economic surveys and community development programmes is keen to ensure the involvement of community. Presidents and members of the local bodies are taken into confidence while organizing community development programmes. PRAYAN, the project for conservation of *Ponoor* River, undertaken by the Social Work department is operated with the

support of the local community and assistance from local bodies. The College NSS units adopted the Institute of Palliative Medicine, Calicut and the volunteers regularly visit the institute and involve in the maintenance of the campus.

### 3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

NSS, NCC, Blood Donors' Forum and other clubs which encourage students to involve in community service programmes also continuously monitor the involvement and contribution of the members in the programmes planned and executed by them. Attendance of the students who take part in such programmes are noted and forwarded to the students' attendance section for relaxation. Volunteers are recommended for certificates and other benefits on the basis of their involvement in the programmes.

### 3.6.9 Give details on the constructive relationships with other institutions in the nearby locality in working on various outreach and extension activities.

- *Ashakiran*, a school for differently abled, is a sister concern of the College in the immediate vicinity of the institution. Various Clubs, Forums and Departmental Associations regularly visit *Ashakiran* and take leadership in organizing different programmes. Students add colour to their celebrations by arranging cultural programmes. On special occasions and feast days student groups arrange food for children of *Ashakiran* and eat with them. The College considers students' involvement in the activities of *Ashakiran* as a very important social learning process which help them to develop empathy towards their less privileged fellow beings.
- *Prayan*, a movement for the conservation of the Ponoor River has been undertaken by the Department of Social Work in collaboration with the local self government. The Panchayat has been supporting the programme by providing necessary resources.
- **Child Volunteer Group (CVG)**, an initiative to ensure the involvement of College students in the protection of the rights of children is supported by Childline, Calicut.
- The College has constructive relationships with other institutions like *Askashaparava* (Home of the Destitutes) and Home of Love (a home for the aged). The College Union and different forums take initiative in mobilizing fund and collecting dress and stationery items for the inmates there.

**3.6.10** *Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years. :* Nil

## 3.7 Collaboration

**3.7.1** *How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?*

Collaboration of the College with different research institutions enables our students to carry out analysis of research samples using expensive and sophisticated equipment free of cost. In turn, the equipment procured under research projects are made available to research scholars from other institutions in and around Calicut.

- The Department of Commerce has collaboration with Calicut Management Association (CMA) which has a student chapter in the College. The CMA organizes various workshops, seminars and invited talks in which our students regularly attend.
- The Department of Mathematics has collaboration with Kerala School of Mathematics, Kunnamangalam and Centre for Mathematical Sciences, Pala. Our students get the opportunity to attend the academic programmes organized by these institutions.
- The Department of Physics has close association with Regional Science Centre, Calicut and Planetarium, where students get opportunities to attend workshops, seminars and other programmes.

**3.7.2** *Mention specific examples of, how these linkages promote*
- ✓ *Curriculum development*
- ✓ *Internship, On-the-job training*
- ✓ *Research, Publication*
- ✓ *Faculty exchange and development*
- ✓ *Student placement*
- ✓ *Any other, please specify*

**Curriculum development**

The Boards of Studies of all departments have subject experts from outside the College. These Experts contribute substantially to the development of the curriculum of the academic programmes of the College. The Department of Social Work reviews the field work curriculum every year. The collaboration with the agencies for field work has been extremely useful for this.

**Internship, on-the-job training**

Many students of the Departments of Commerce, Management, Social Work and other disciplines have benefitted from the association of the College with other institutions where they are offered facilities to do their projects.

**Faculty exchange and development**

Faculty from different institutions with which we have collaborative understanding visit our campus and interact with our students. Our faculty members are also invited to these institutions for seminar presentations and invited talks.

**Research, Publication**

The Department of Zoology has collaborative projects with various other international institutions which lead to the publications of research articles in international journals.

**Consultancy, Extension**

- **Dr. Delse P. Sebastian,** Department of Botany is a Biodiversity Consultant on gratis of Environmental Engineers and Contractors, New Delhi.

- **Dr. Tania Francis**, Department of Chemistry procured Lyophiliser (Freeze drier) under DST-FAST Track Project for Young Scientist and she extends the utilization of it and her expertise to B.Tech and M.Tech project fellows of NITC.

- **Dr. Sabu K. Thomas, Department of Zoology** consultant of Control of home invading nuisance pest in the Government and private institutions and households who are badly affected by these pest.

*3.7.3 Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MoUs have contributed in enhancing the quality and output of teaching-learning, research and development activities of the College? :* Nil

*3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities? :* Nil

## CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 Physical Facilities

St. Joseph's College is situated on a small hill of scenic beauty known as 'Devagiri' which means the 'Hill of God.' The campus spreads across 25 acres of land covered with green shady trees and lush vegetation. The College is endowed with excellent physical infrastructure which provides an academic ambience conducive to the holistic development of the students.

### *4.1.1. How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?*

The institution's plan for physical infrastructure is tuned to the College's perspective plan for academic growth. Towards the end of every academic year, heads of the departments, the librarian, and the office superintendent are asked to assess the infrastructural requirements for the subsequent year in respect of replacement, up-gradation and addition to the existing physical facilities. The proposals received are scrutinized by a committee consisting of the Principal, Financial Administrator and the IQAC co-ordinator and a plan is drawn up taking into account the new programmes applied for, activities proposed and the availability of funds.

The College has adequate infrastructure for the smooth functioning of its academic programmes. classrooms, furniture and other equipment are allotted to the departments to ensure their optimal utilization for conducting curricular and co-curricular activities. The facilities are also used for conducting distance education programmes, hosting banking recruitment examinations, and examinations of the Institute of the Chartered Accountants of India, Institute of Company Secretaries and the State Public Service Commission. The play grounds and stadium of the College are made available to nearby schools and other institutions for practice and to conduct matches and sports meets.

### *4.1.2. Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.*

The management has a policy of creating and upgrading physical and ICT related infrastructure to meet the growing needs of the College. Since the last accreditation, there has been substantial enhancement in facilities thanks to the assistance from the UGC and the management.
The recent initiatives of the College include

- Construction of the new five-storyed Academic Block (Fr. Theodosius Block) of which three floors have already been completed.
- Construction of Chavara Hostel for Women which has a capacity of 80-bed space.

**Table 4.1**
**Additions to Infrastructure Facilities (2011-15)**

| Facility | Number | Area (Sq. Mt.) |
|---|---|---|
| Classrooms (UG) | 17 | 13 Rooms x 42 m$^2$<br>4 Rooms x 29.4 m$^2$ |
| Classrooms (PG) | 2 | 2 Rooms x 30 m$^2$ |
| Computer Labs | 2 | 66 m$^2$ and 18 m$^2$ |
| Research Lab | 1 | 50 m$^2$ |
| Faculty Rooms | 5 | 4 rooms x 72 m$^2$<br>1 room x 28.77m$^2$ |
| Conference Hall | 1 | 55.7 m$^2$ |
| Parking Shed for Students | 1 | 600 m$^2$ |
| Controller of Examination Office | 1 | 119.5 m$^2$ |
| Toilets | 28 | 14 Rooms x 20.4 m$^2$, 14 Rooms x 13.6 m$^2$ |
| Students Facilitation Centre | 1 | 9.66 m$^2$ |
| Office Room | 1 | 44.1 m$^2$ |
| Guest Room | 2 | 14.1 m$^2$ |

The existing PTA Hall with 200 seating capacity has been thoroughly renovated with Dolby 5.1(Acoustic roofing). The Conference Hall, most of the faculty rooms and certain class rooms were also renovated and refurnished since the last accreditation.

### 4.1.3 Does the College provide all departments with facilities like office room, common room, separate rest rooms for women students and staff?

Every department has been allotted well furnished staffrooms. Facilities in the department faculty rooms include bookshelf for library, water purifier, desktop computers with printers, laptops, LAN connectivity, Wi-Fi connectivity etc. Separate rest rooms are available for girl students and lady staff.

*4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?*

In the newly constructed block, ramp facility is available for the differently abled students. As of now the number of such students is very few. In case of more number of such students the ground-floor classrooms will be made available to them. Also, computers with JAWS are provided in the library for the visually challenged.

*4.1.5 How does the College cater to the residential requirements of students? Mention*

✓ *Capacity of the hostels and occupancy*

✓ *Recreational facilities in hostel/s like gymnasium, yoga center, etc.*

✓ *Broadband connectivity /Wi-Fi facility in hostel/s.*

Separate hostels are there for men and women. In addition to the hostel facilities provided by the College, safe and comfortable accommodation is extended to girl-students in two hostels run by religious congregations of sisters with whom the College has an understanding. These two hostels, located adjacent to the campus, are meant exclusively for the accommodation of our students. Details of the hostel and their occupancy are given below.

**Table 4.2**
**Hostel Facilities**

| Hostels | Number of rooms | Capacity | Occupancy | Facilities Available |
|---|---|---|---|---|
| Boys: Tagore Hostel | 118 | 158 | 158 | Mess Hall, Prayer Hall, Recreation Hall, Reading Room, Laundry Hall, Guest Room, Volley Ball Court |
| Girls: Chavara Hostel | 21 | 80 | 80 | Mess Hall, Prayer Hall, Recreation Space, Reading Room, Television, Guest rooms, Badminton Court |
| Visitation Hostel* | 30 Rooms, 5 dormitories | 130 | 120 | |
| Adoration Hostel* | 10 Rooms, 3Dormitories | 55 | 55 | |

*Hostels run by nuns.

Since all the hostels are located either within or adjacent to the Campus, hostlers can make use of the College Gymnasium and the facilities of indoor and outdoor games available.

### 4.1.6 How does the College cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?

The College gives great importance to the physical and mental wellbeing of its staff and students. Various measures adopted to cope with health related issues include

- Rest rooms with first-aid facilities
- Awareness programmes on healthy practices
- Awareness programmes on women's health organised by the Women's Welfare Council
- Golden Jubilee Insurance Scheme for students
- Water purifiers to provide safe drinking water
- Meticulously maintained hygienic condition on the campus
- Service of part time doctor available on preannounced days
- Government Medical College located within a radius of 500 meters
- Yoga classes for students as part of open course

### 4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?

The College gives special care and encouragement to sports and cultural activities.

**Sports and games:**

The College has two well qualified physical education faculty members who train and motivate the students for various inter-college competitions. The institution has a tie-up with Sports Authority of India (SAI) for providing coaching in volleyball and athletics. The College avails the service of eminent coaches in football, basketball, cricket and badminton.

Facilities available for sports and games include:

- 400 meter 8-lane track stadium
- Jimmy George sports pavilion
- Cricket stadium with facility for net practice
- Football ground
- Volleyball court
- Basketball court
- Shuttle badminton court
- Table tennis
- Multi-gymnasium for fitness and health

**Cultural activities:**

- The Fine Arts Committee plays an important role in motivating talented students to participate in cultural competitions at zonal, university and state level.
- The College arranges special training in different group cultural events by acclaimed Artists from outside.
- The Fine Arts Committee organizes cultural fests in connection with the inaugural ceremony of the College Union, Arts Day, College Day and Fine Arts Day.
- Devagiri Fine Arts Club (*BURNCSIENNA*) organizes Paintings Exhibition.
- 'Lunch-Time Concert', one of the best practices of the College, provides a platform for the student artists to perform before a packed audience on all Wednesdays.

## 4.2 Library as a learning resource

*4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?*

The Library runs under the guidance of an Advisory Committee constituted as per GO. Ms No 169/94/H. Edn dated 22/11/1994.

**Table 4.3**
**Composition of Library Advisory Committee**

| | |
|---|---|
| Dr. Sibichen M. Thomas, Principal (Chairman) | Dr. George Mathew, HoD, Zoology |
| Mr. Tomson A. J., Librarian (Secretary) | Dr. Nagesh S., HoD, English |
| Dr. Babu I. Maliackal, HoD, Chemistry | Dr. Baby Chacko, HoD, Mathematics |
| Dr. Sanathanan Velluva, HoD, Economics | Mr. Unnikrishnan T. V. (Student Representative) |

The Committee meets once every month and reviews the functioning of the library and suggests new initiatives. The important initiatives implemented as per the suggestions and decisions of the Committee include

- Open access, need-based acquisition
- Library automation and software development
- Bar-coded issue/ return system
- Airconditioned server room
- IBM server computer
- Digital library using open source software (Greenstone)
- Building up of institutional repository (D space)

- Access to e- resources (online and offline)
- CCTV surveillance camera
- Wi-Fi enabled reading corner
- Reorganizing and restructuring the library counter
- Other infrastructural facilities like tables, new arrivals' display rack, periodicals' display racks and notice boards.

### *4.2.2 Provide details of the following:*
- ✓ *Total area of the library (in Sq. Mts.)*
- ✓ *Total seating capacity*
- ✓ *Working hours (on working days, on holidays, before examination days, during examination days, during vacation)*
- ✓ *Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)*
- ✓ *Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)*
- **Total area of the Library -** 11465 sq ft. (i.e., 1065.52 sq metre)
- **Total seating capacity** - 350 users at a time
- **Working hours**
  - working days (Monday to Friday) : 9 am to 5 pm
  - Saturday: 9 am to 5 pm

The schedule is applicable to all working days and days of examinations. The library is open on all days except Sundays and public holidays.

- **Access to the premises and mode of access to collection**
- A copy of the library layout is displayed on the notice board along with the rules and regulations of the library
- Sign boards are displayed at significant positions for the users
- Display sheets clearly mentioning the subject classification enable the users to access the books stacked in the library
- Each rack/ almirah in the library has been given subject classification indicators.
- Bar code technology speeds up the transactions
- Fire extinguishers are available in the library
- The librarian and the other library staff personally attend to the needs of physically challenged users

## LAYOUT OF THE LIBRARY
## Ground Floor



St. JOSEPH'S COLLEGE DEVAGIRI     GROUND FLOOR PLAN OF LIBRARY
KOZHIKODE, KERALA-Pin 673008.
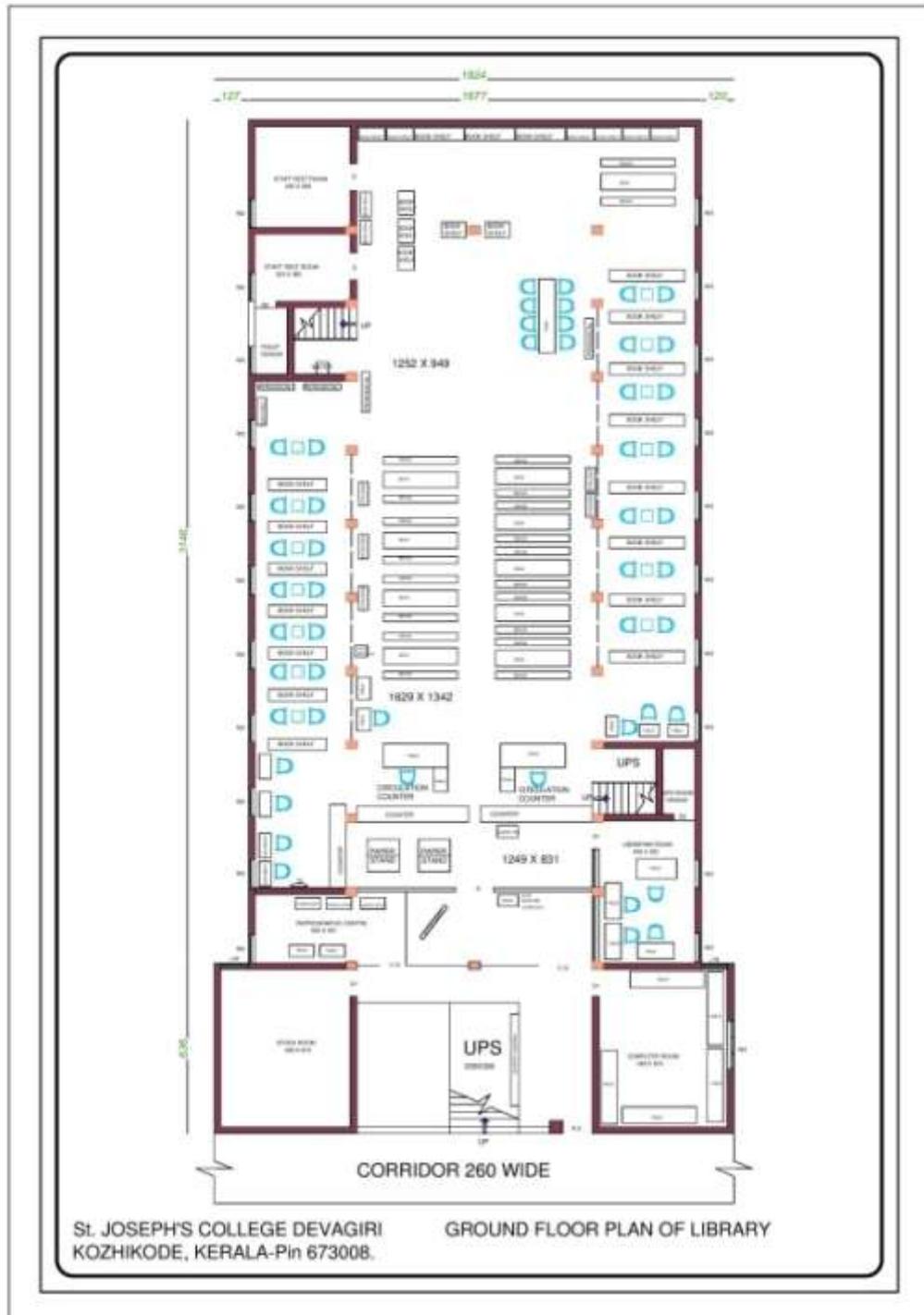
# LAYOUT OF THE LIBRARY
## First Floor



FIRST FLOOR PLAN OF LIBRARY

GROUND FLOOR 19.24X37.82=727.66
DEDUCTION

31.46X1.27 = 039.95
31.46X1.20 =037.75

SUB TOTAL                    649.95

FIRST FLOOR       16.77X31.70 =531.61
DEDUCTION         05.52X21.04=116.14
SUBTOTAL                      415.47
TOTAL                       1065.52
11465 Sq.Ft.

St. JOSEPH'S COLLEGE DEVAGIRI
KOZHIKODE, KERALA-Pin 673008.
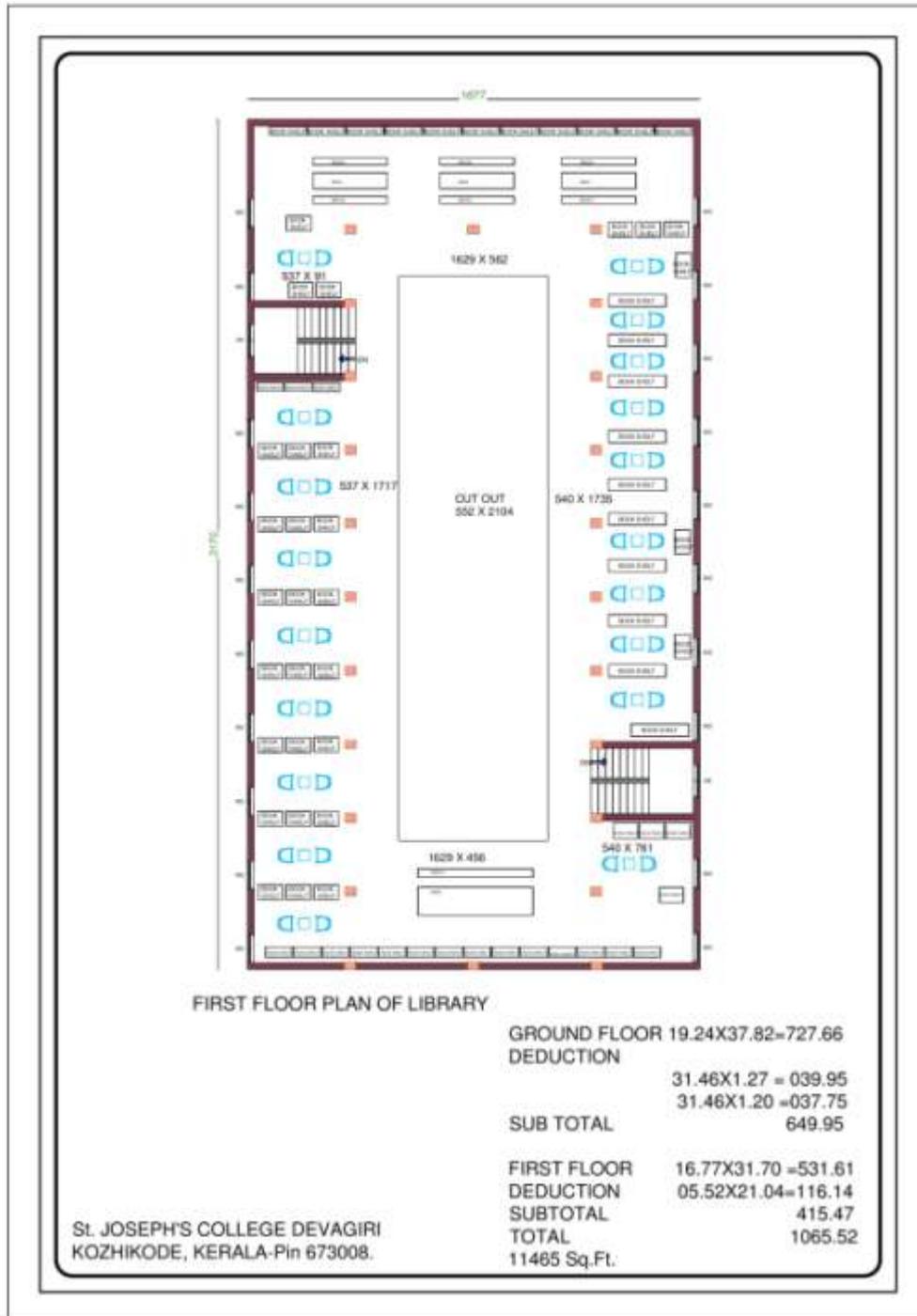
*4.2.3 Give details on the library holdings     Total No.*
- ✓ *Print (Books, back volumes and thesis)*
- ✓ *Non Print (Microfiche, AV)*
- ✓ *Electronic (e-books, e-Journals)*
- ✓ *Special collection*

**Table 4.4**
**Details of the Library Holdings**

| Sl No. | Holdings | Total number |
|--------|----------|--------------|
| 1 | Print:<br>• General books<br>• Reference books<br>• Back volumes (Books and Journals)<br>• Thesis | 53,176<br>5,226<br>1,978<br>50 |
| 2 | Non Print:<br>• CD/ DVDs /AV | 750 |
| 3 | Electronic (N list):<br>• e- books<br>• e- journals | 90,000+<br>6,000+ |
| 4 | Special Collection (Book bank)<br>• Text books | 3,325 |

*4.2.4 What tools does the library deploy to provide access to the collection?*
- ✓ *OPAC*
- ✓ *Electronic Resource Management package for e-journals*
- ✓ *Federated searching tools to search articles in multiple*
- ✓ *Library Website*
- ✓ *In-house/remote access to e-publications*
- The library staff give guidance on the collections available in the library to the users.
- The users can do author-wise and title-wise searching and also can reserve the required books from the library in advance through OPAC.
- The library management software, KOHA, provides easy search modules to access catalogued books, new arrivals list, periodicals list etc. The link is http://192.168.10.3

- The UGC-Network Resource Centre with 10 high speed nodes/ terminals gives uninterrupted access to N-List Project which provides access to more than 6,000 journals and 90,000 e-books. The N-List project facilitates federated search. Remote access to all e-resources of the N-List project is provided through the link, http://nlist.inflibnet.ac.in
- In house access to e-resources which are deposited in the main digital library server is made available in the following site in the local area network (LAN). http://192.168.10.10:8080/

### 4.2.5 To what extent is the ICT deployed in the library?
- ✓ **Library automation**
- ✓ **Total number of computers for public access**
- ✓ **Total numbers of printers for public access**
- ✓ **Internet band width speed** ☐ **2 mbps** ☑ **10 mbps** ☐ **1gb**
- ✓ **Institutional Repository**
- ✓ **Content management system for e-learning**
- ✓ **Participation in Resource sharing networks/consortia (like INFLIBNET)**
- **Library automation**
    - The library is fully automated using KOHA, an Open Source Integrated Library Management Automation System. KOHA has all the necessary modules required for running the library most efficiently.
    - Acquisition and catalogue module enables the library to maintain collection database.
    - Circulation modules enable library to get books issued, renewed and returned.
    - Serial modules enable the library to handle online subscription and renewals of journals, magazines and periodicals. It also allows the library to maintain a collection (search, issue and return) of the back volumes.
    - Report modules allow the library to keep reports up to date.
    - All the documents in the library are bar-coded for ease in transaction.

- **Total number of computers**

**Table 4.5**

**Total number of computers in the Library**

| | |
|---|---|
| Main library (for public access) | 8 |
| Network Resource Centre (for students) | 10 |

- **Institutional Repository**

The College has developed a fully operative Digital Library using "Green Stone," an Open-Resource Repository Software. Thanks to this system, students seated anywhere on the campus can make use of the facilities of the library. Greenstone Digital Library Software serves as a digital archives system, focusing on the long-term storage, access and preservation of digital content. A collection of old question papers is available in the library for ready reference and copying. Most of these question papers are kept in digital form.

- **Participation in Resource Sharing**

The digital library also provides comprehensive solution to manage distributed electronic information resources. The digital library facilitates value added services by providing access to several significant links such as N-List of INFLIBNET (Information Libarary Network) and open access journals.

The N-LIST provides access to e- resources subscribed by the UGC- INFONET Digital Library Consortium to Government/Government-aided Colleges. Our College is a member of this programme and the service is renewed every year. The user ID and password are given to all the faculty members. An orientation is given to the PG students and the research scholars regarding the use of this advanced facility.

The UGC-Network Resource Centre in the library has a dedicated network connection with uninterrupted broadband connectivity of 10 mbps bandwidth. The network is provided under National Mission on Education through ICT of the Ministry of HRD by BSNL, through broadband over leased line Network (optical fiber cable) and dedicated internet server with static local IP providing access to the e-resources, network printing and data transfer facilities.

**4.2.6 Provide details (per month) with regard to**
- ✓ *Average number of walk-ins*
- ✓ *Average number of books issued/returned*
- ✓ *Ratio of library books to students enrolled*
- ✓ *Average number of books added during last three years*
- ✓ *Average number of login to OPAC*
- ✓ *Average number of login to e-resources*
- ✓ *Average number of e-resources downloaded/printed*
- ✓ *Number of information literacy trainings organized*

**Table 4.5**

**Details of Library Usage**

| | |
|---|---|
| Average number of Walk-ins | 300 users (per day) |
| Average number of books issued/ returned | 175 (per day) |
| Ratio of library books to students enrolled | 32:1 |
| Average number of books added during last three years | 1125 |
| Average number of login to OPAC | 225 (per day) |
| Average number of login to e-resources | 175 (per day) |
| Average number of login to periodicals | 100 (day) |

*4.2.7 Give details of the specialized services provided by the library*
- ✓ *Manuscripts*
- ✓ *Reference*
- ✓ *Reprography*
- ✓ *ILL (Inter Library Loan Service)*
- ✓ *Information Deployment and Notification*
- ✓ *OPAC*
- ✓ *Internet Access*
- ✓ *Downloads*
- ✓ *Printouts*
- ✓ *Reading list/ Bibliography compilation*
- ✓ *In-house/remote access to e-resources*
- ✓ *User Orientation*
- ✓ *Assistance in searching Databases*
- ✓ *INFLIBNET/IUC facilities*

- **Manuscripts** of student projects are available in the departmental libraries for reference.

- **Reference**: Ready reference service is offered to the students and the faculty for the retrieval of information, articles and books. Library has a fully equipped reference collection comprising dictionaries, encyclopaedias and year-books.

- **Reprography**: Two well maintained photocopying machines are placed inside the library for reprography. Printing facility is also provided through the network printer.

- **Information deployment and Notification**: Efforts have been taken to display news clippings on various topics like science and technology, education, sports, human rights, women rights, employment, current affairs, editorial columns etc. on the library notice board.

- **OPAC**: The library has multiple node OPAC (Online Public Access Catalogue) facility on the internet within the College. Every student is given the Login ID and password for accessing OPAC, using which they can get information regarding documents and their circulation statistics. Reservation and renewal of documents can be done even while the user is out of the campus.

- **Internet Access**: Users are provided computers with internet access. Ten systems are provided at this section and the service is absolutely free.

- **Downloads**: Students are permitted to download unlimited online data using the facilities in the College.

- **Printouts:** Students are also permitted to get printouts at reduced rate availing the facilities in the College.

- **In-house/remote access to e-sources**: In-house access to e-resources, which are deposited in the main digital library server, is made available in the following site through the Local Area Network (LAN): http://192.168.10.10:8080/

- The UGC-Network Resource Centre with 10 high-speed nodes/terminals gives uninterrupted access to N-LIST projects which provide access to more than 6,000 journals and 90,000 e-books. The N-LIST project supports/ facilitates federated search. Remote access is provided for all e-sources of the N-List Project on http://nlist.inflibnet.ac.in

- **User Orientation:** User Orientation is given to new students and faculty periodically. Every year during orientation programmes, the librarian introduces the students to various information sources and services available in

the library. Information retrieval guidance is given to research scholars, group of students and also other users on one-to- one basis.

- **Assistance in Searching Databases**: Assistance in searching various open-access databases is provided to the users on request.
- **INFLIBNET/ IUC facilities**: The College subscribes to INFLIBNET and the users are given access to N-LIST.

*4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.*

**Table 4.7**
**Amount spent on Purchase of Books and Journals**

| Year | Books | | Journals | |
|------|-------|--|----------|--|
| | Number Purchased | Amount spent (Rs.) | Number of Printed Journals | Amount Spent (Rs.) |
| 2011- 12 | 1687 | 10,92,762 | 115 | 1,11,418 |
| 2012- 13 | 860 | 85,796 | 113 | 47,265 |
| 2013- 14 | 1127 | 2,59,004 | 116 | 65,000 |
| 2014- 15 | 1389 | 5,78,609 | 121 | 1,10,684 |

*4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services.*

The Library has a mechanism to elicit feedback from its users.

- A suggestion box is kept at the entrance of the library and users are encouraged to drop their complaints/suggestions on the facilities available. The suggestions obtained from the users are reviewed by the Library Advisory Committee in its monthly meetings and necessary measures are taken to improve the library services.

- Feedback on the functioning of the library as a learning resource is taken from the students at the end of the programme.

- At the beginning of every academic year the librarian sends a format to be filled up by the departments indicating their requirement for books and journals.

### *4.2.10  List the infrastructural development of the library over the last four years.*

- Computers in the digital library were upgraded.
- More cupboards, almirahs and other articles of furniture were added.
- Reprography facilities have been enhanced.
- CCTV has been installed.
- ID card printer was purchased.

### *4.2.11  Did the library organize workshop/s for students, teachers,   non-teaching staff of the College to facilitate better Library usage?*

- Library Awareness Programmes are conducted for new students and faculty members periodically. Every year during orientation programmes, the librarian introduces the students to various information sources and services available in the library.
- Information retrieval guidance is given to research scholars and students on one-to-one basis.
- Training on access to e-information resources are conducted for the faculty and the students, where the process involved in searching and retrieving information from different subject gateways is explained.
- Non-teaching staff are constantly encouraged to have better reading habits and to use the library facilities for their personal and professional development.
- All the documents in the library are bar-coded for ease in transactions.

## 4.3 IT Infrastructure

### *4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?*

The IT policy of St. Joseph's College Devagiri considers information as a critical asset of the College and emphasizes on integrating technology into academic and social experience of learners. It considers accurate, timely, relevant and properly protected information as essential to the success of the institution's academic and administrative activities. The IT policy of the College envisages the creation of an e-managed environment with high speed and properly secured network, where there are provisions for regular data backup and regulated retrieval.

## 4.3.2 Give details of the College's computing facilities

**Table 4.8**

**Details of College's computing facility**

| | | |
|---|---|---|
| Number of systems with configuration | 216 Desktops and 28 Laptops | • Processor– Intel dual core processor, RAM– 2GB, Hard Disk– 500 GB, 18" LCD/LED display<br>• Processor– Intel Pentium 4, RAM– 512MB/1GB, Hard Disk– 160 GB,<br>• Processor– Intel core i3, RAM– 2GB, Hard Disk– 500 GB, 2 GB Graphic Card, 18" LED |
| | 4 Servers | • Processor – X3300M4-73821A4, Two Socket Tower E52403 Quad Core, 10 MB Cache memory, 8 GB RAM , 500GB Hard Disk<br>• Processor– X3300M4-73821A4, Two Socket Tower E52403 Quad Core 3.1Ghz, 4 GB RAM, 500GB Hard Disk<br>• Processor -XEON, 2 GB RAM, 500GB Hard Disk |
| Computer–student ratio | 1: 8 | |
| Dedicated computing facility | 216 Desktops + 28 Laptops + 1 tablet | |
| LAN facility | Available, computers of all the departments, offices, labs are connected to LAN with internet connectivity. LAN Speed -100/1000 Mbps. | |
| Wi-Fi facility | Wi-Fi facility is available in 5 departments and offices | |
| Propriety software/open source software | Propriety software:<br>Microsoft Windows 7, Knowledge Pro – Campus automation software, JAWS, EViews, Tally, Antivirus programmes.<br>Open source software:<br>Ubundu, Libre Office, Latex, Gretl, Minitab, Koha, R, Megastat, Python. | |
| Number of nodes/computers with internet facility | 198 Desktops + 28 Laptops + 1 tablet | |

## 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

• Regular up-gradation of the computers on the basis of the suggestions from the Heads of the Departments and lab technicians.
• Progressively convert all classrooms into ICT-enabled class rooms.

- Enhancement of e-learning facilities.
- Progressive automation of administrative process to switch over a paperless office.
- Orientation to staff and students to ensure optimal utilization of the available computing facilities.

***4.3.4 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.***

The College is committed to improving the quality of teaching-learning process through increased utilisation of online resources. The strategies adopted to enhance access to online resources include the following:

- Classrooms, departments and seminar halls are equipped with LCD and computers with net connectivity.
- Prompt access to e-learning resources is ensured through free high speed internet connectivity.
- The library subscribes to N-LIST of INFLIBNET which enables staff and students to access e- journals, e-books and other e-resources.

***4.3.5 Give details on the ICT enabled classrooms/learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.***

In tune with its IT policy, the College has equipped a good number of its classrooms and laboratories with ICT facilities. The faculty members are encouraged to use ICT resources in the teaching-learning process. Students at the PG and research level have to present their seminars through power point presentation. The College has

- 31 classrooms with built in LCD projectors.
- 8 LCD projectors for common use.
- Language lab with sufficient number of computers.
- Commerce lab with 16 computers and internet connectivity.
- Seminar rooms and conference halls are ICT enabled.

*4.3.6 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating university for such initiatives?*

- Every department is equipped with desktops, laptops, printer and free internet connectivity to facilitate the preparation of computer-aided teaching-learning materials.
- The IQAC organized a workshop on 'e-content development' for the faculty members with the expert support of Nehru College, Coimbatore.
- Faculty members are encouraged to attend refresher courses and orientation programmes on ICT enabled teaching, organized by the UGC-Academic Staff College.

*4.3.7 How are the computers and their accessories maintained?*

The College has appointed a system engineer for the maintenance of computers and their accessories. Regular maintenance of the systems is carried out by the service engineer. In case of any major problem, services of experts from professional companies are called for. Computers and accessories procured under UGC assistance are maintained through AMC. The Campus Automation Software is procured on a subscription model in order to ensure support and maintenance.

*4.3.8 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?*

The College has subscribed to 10 mbps broadband connections under the scheme of National Mission on Education through Information and Communication Technology.

*4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?*

Every year the College invites the requirements for computer updation, deployment and maintenance from all departments. The proposals are reviewed by the Purchase Committee and funds are allotted on a priority basis. The amount spent by the College for the procurement, up-gradation and maintenance of computers and their accessories are furnished below:

**Table 4.9**

**Amount spent on procurement/ up-gradation and**

**Maintenance of computers/ accessories**

| Year | Amount (Rs.) |
|---|---|
| 2011- 12 | 13,95,368 |
| 2012- 13 | 1,26,883 |
| 2013- 14 | 93,000 |
| 2014- 15 | 16,29,249 |

## 4.4 Maintenance of Campus Facilities

*4.4.1 Does the College have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.*

The Financial Administrator of the College oversees the maintenance of buildings, classrooms, laboratories and other physical facilities on the campus. At the end of the academic year, all the departments submit report on the maintenance of furniture, fixtures and fittings to be carried out.

Adequate staff is employed to keep the classrooms, staffrooms, laboratories, seminar halls and the library neat, clean, and hygienic. Campus specific initiatives undertaken to improve physical ambience during the last four years include

- Carpentry work and maintenance of furniture.
- Beautification of the premises of the new block by laying interlock tiles
- Maintenance of electrical wiring and appliances.
- Renovation of the PTA Hall, Conference Hall, faculty rooms, laboratories and class rooms.
- New parking facility for students.
- Renovation of the gardens.
- Television was installed in front of the administrative office for the telecast of news and information.

*4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained?*

The College has its own mechanism for maintenance and minor repairs of its infrastructure and equipment. The institutional arrangements for the upkeep of the physical facilities include the following:

- A Gardner and four service staff to maintain the campus neat and clean.

- Two security staff on duty round the clock to take care of the infrastructure on the campus.
- A qualified electrician to maintain all electrical related works on the campus.
- A plumber to take care of pipeline connections.
- A trained support staff for the upkeep of stadium and sports pavilion.
- Computer maintenance staff to take care of the servicing of computers and accessories.
- The service of a carpenter is shared by the College and other institutions run by the management.
- The College Financial Administrator oversees the maintenance of the campus.

**CRITERION V: STUDENT SUPPORT AND PROGRESSION**

## 5.1    Student Mentoring and Support

Student support services are critically important for promoting better academic outcome for students. As an institution of higher education, St. Joseph's College, Devagiri, extends all support to its students so that they emerge as more accomplished individuals and progress successfully into employment or further study.

### 5.1.1    Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?

The College takes sustained efforts in the area of student support so that academic excellence is ensured and the campus life is made more enriching. The student support system of the College is integrated into its academic and administrative structures. The following chart integrates the structure of Academic Support System.

**Figure 5.1 Structure of Academic Support System**
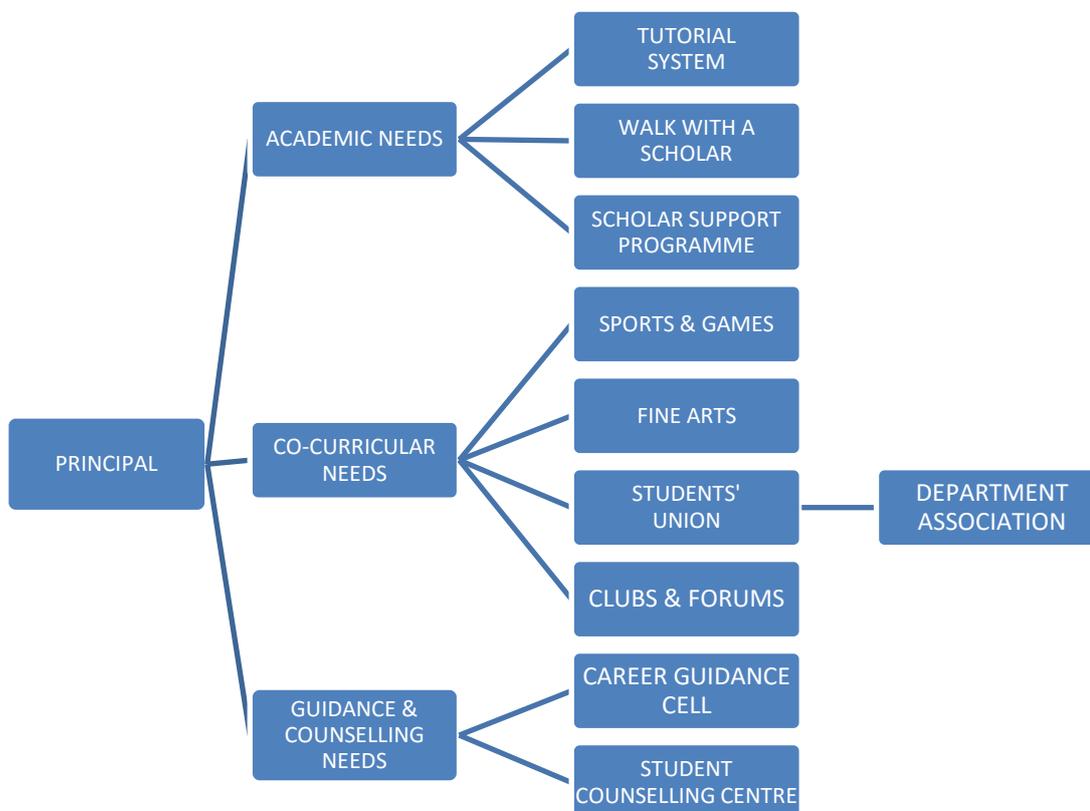
- All the student support initiatives of the College are monitored by the Principal and fall into three categories namely 'academic', 'co-curricular' and 'career and placement'.

- The academic support consists of the tutorial system, where a group of 25-30 students are assigned a tutor who continuously interacts with them and closely monitors their academic progress. The College has also introduced the Scholar Support Programme and the Walk with Scholar system to cater to the specific needs of the slow-learners and high performers, respectively. In addition, remedial classes are conducted for students who need extra support.

- The College has a well-structured system to support the students in their co-curricular activities. The HoD of Physical Education Department and the Co-ordinator of the Fine Arts Club enable the students to excel in sports and games and in fine arts respectively.

- The elected Students' Union under the guidance of the Staff Advisor and the various clubs and forums functioning in the College provide the students with opportunities to involve in co-curricular and community service programmes.

- The College has an actively functioning Counselling Centre which helps the students in sorting out their psychological and inter-personal issues and helps them to manage their stress.

- The Career Guidance Cell is keen in organizing programmes which contribute positively to the skill development of students' and extends support in choosing a career which suits them the best.

- The College has a Students Welfare Fund which provides financial assistance to students who are financially weak. The co-ordinator of the Fund, with the help of class tutors, ensures that assistance goes to the deserving students. Awards and scholarships instituted by the management and various sponsors also do a lot in providing support and encouragement to academically brilliant students.

- The College Grievance Redressal Cell looks into the grievances of the students if any, while Women's Welfare Council addresses the issues of girl-students.

- Ragging Prevention Committee and Foreign Students Welfare Officer are also part of the institution's student support system.

### 5.1.2 What provisions exist for academic mentoring apart from class room work?

The scope of mentoring extends beyond classroom support to equip the students with the necessary skill and the right attitude to progress academically and professionally.

- Tutorial system: a faculty member is assigned to a group of 25-30 students of a class in the UG level and 10-20 students in the PG level who serves as their tutor. The tutor maintains a tutorial file which contains the student profile and the record of their academic performance. The tutor meets his wards individually and in groups to understand every student's needs and problems.

- The class-wise PTA meetings held in every semester are extremely useful in sorting out the learning and other difficulties of the students in the presence of both students and parents.

- Students who have grave issues and require professional support are directed to the Counselling Centre, where the service of trained counsellors is made available.

### 5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counseling, soft skill development, etc.

The College provides the students with a wide range of schemes for personal enhancement and development.

- Career Guidance Cell arranges seminars on career options and organizes training programmes that cover soft skills, communication skills, personality development and preparing for group discussion and interview. The cell gives special guidance to pursue higher studies and renders help in preparing for competitive examinations.

- Students are encouraged to enroll for the Additional Skill Acquisition Programme (ASAP), an initiative of state government conducted in the College.

- The Entrepreneurial Development Club of the College arranges motivational sessions and provides the members with the opportunity to interact with successful entrepreneurs particularly from the alumni.

- Different departments provide coaching for the UGC-NET/JRF, JAM, and other competitive examinations.

- The Business and Management Club trains students to take part in state level and national level management meets organized by various institutions.
- The departmental associations arrange orientation programmes for the freshers and conduct awareness programmes on career opportunities to enhance the employability and interpersonal skill of the students.
- Career guidance cell displays notifications of various entrance tests, job opportunities etc on the notice boards as well as make announcements through the public addressing system.

### 5.1.4 Does the College publish its updated prospectus and handbook annually? If yes, what are the activities / information included / provided to students through these documents? Is there a provision for online access?

The College publishes its updated prospectus and handbook every year. These are also made accessible through College website.

The updated prospectus published every year prior to the commencement of the admission process provides a brief history of the college, vision and mission statement, an outline of the programmes offered, eligibility criteria and the facilities available on the campus. Separate prospectus is issued for UG and PG programmes.

The College handbook contains the following information:
- Brief history of the college
- Vision and mission of the College
- Objectives and distinctive features of the College
- CMI Education Policy Statement
- Composition of the College Society, Governing Council and other statutory bodies.
- UGC guidelines on IQAC
- List of faculty and supporting staff
- Scholar support Programmes
- Extension and Co-curricular activities
- Academic Programmes offered by the College
- College library and the rules relating to it
- Admission rules and procedures
- Disciplinary rules of the college
- Outline of the Choice-Based Credit and Semester System of the affiliating university

- Scholarships and Prizes available in the College
- The Roll of Honour and the list of NET-JRF qualified students
- A detailed Academic Calendar with holidays and the schedule of academic activities planned for the year.

*5.1.5 Specify the type and number of scholarships / freeships given to students) by the College Management during the last four years. Indicate whether the financial aid was available on time.*

The College offers a number of scholarships and awards to students. The details are given below:

**Table 5.1**

**Details of scholarships/ awards to the students**

| Name of the Scholarship | Department | Norm for the Award | Number of Beneficiaries |
|---|---|---|---|
| Rev. Fr. Theodosius Memorial Scholarship | English | Merit | 4 (UG) |
| Rev. Fr. Shabor Memorial Prize | English | Merit | 4 (PG) |
| Prof. Sheppard Memorial Prize | English | Merit | 4 (PG) |
| Rev. Fr. Reynolds Jubilee Memorial Prize | English | Merit | 4 (UG) |
| Prof. P.K.G. Vijayaram Endowment | English | Merit | 12 (PG&UG) |
| Prof. P. Jayendran Endowment | English | Merit | 8(PG &UG) |
| Prof. T.K. Mani Memorial Scholarship | English | Merit | 4 (UG) |
| Rev. Fr. Columbus Jubilee Memorial Prize | Economics | Merit | 4(UG) |
| Prof. P.K. Achan Prize | Physics | Merit | 4 (UG) |
| Kilukkan Chacko and Thressia Memorial Endowment | Physics | Merit | 4(PG) |
| Sreejith M.  Memorial Endowment | Physics | Merit | 8(UG) |
| Sri. Vinesh S Shah Memorial Endowment | Chemistry | Merit | 4(UG) |
| Mr. Diljith Memorial Endowment | Chemistry | Merit | 4(UG) |
| Rev. Fr. Dr. M.T. James Endowment | Chemistry | Merit | 4(PG) |
| Prof. Jose Thomas Ancheril Scholarship | Chemistry | Merit | 4(UG) |
| Renuka Sivaramkrishna Iyer Prize | Botany | Merit | 4 (PG) |
| Prof. Mathew Thamarakkad Endowment | Botany | Merit | 9 (UG &PG) |

| | | | |
|---|---|---|---|
| Rev. Fr. Joseph Kappalumakkal Scholarship | Botany | Merit | 4 (PG) |
| Dr. K. T. Vijayamadhavan Endowment | Zoology | Merit | 4 (PG) |
| Rev. Fr. Thomas Kazhunnady Memorial Scholarship | Zoology | Merit | 4 (UG) |
| Rev. Fr. Bennet Kurian Memorial Prize | Commerce | Merit | 4 (UG) |
| Rev. Fr. Bennet Kurian Scholarship | Commerce | Merit & Means | 4 (UG) |
| Prof. K. Krishnamoorthy Memorial Endowment | Commerce | Means | 4 (UG) |
| P. B. Shinoy Memorial Endowment | Commerce | Merit | 4 (UG) |
| Rev. Fr. Bennet Kurian Memorial Gold Award | Commerce | Merit | 4 (UG) |
| Devagiri College Golden Jubillee Memorial Scholarship | Commerce | Merit & Means | 32(UG) & 4 (PG) |
| Jimmy George Foundation Scholarship | Physical Education | Excellence | 4 |
| Rev. Fr. Hormice Jubilee Prize | Malayalam | Merit | 4(UG) |
| Koyapathody Jameela Memorial Award | Social Work | Best Dissertation | 4 (PG) |
| Leeladhar Kamat Memorial Award | Social Work | Merit | 4 (PG) |
| Bishop Sebasitian Vallopilly Sacradotal Jubilee Scholarship | General | Merit | 4(UG) |
| Liju Varkey Kelankunnel Memorial Scholarship | General | Merit | 4(UG) |
| Devagiri College Golden Jubilee Scholarship | General | Merit | 64(UG) |
| St. Joseph's College Union 1988-89 Scholarship | General | Merit | 4(UG) |
| Sri. Thomas Sebastian Memorial Award | General | Excellence in Arts | 4(UG/ PG) |
| Rev. Fr. Joseph Vayalil Endowment | General | Merit | 32(UG) |
| Rev. Fr. Joseph Vayalil Endowment | General | Means | 32(UG) |
| Joel Memorial Endowment | General | Excellence | 4(UG/PG) |
| Rev. Fr. Mathew Chalil Prizes | General | Merit | 12(UG) |
| General Scholarships | General | Excellence in Research | 4 |

The College also has a Students Welfare Fund, with a faculty member as its co-ordinator. The fund which raises its resources through the contributions of the staff and the sponsors outside identify the deserving students with the help of the class tutors. The details of the assistance given from the Fund are furnished below.

**Table 5.2**

**Details of Assistance from Students Welfare Fund over the last four years**

|  | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|
| Total Contribution | Rs.55674 | Rs.67623 | Rs.85680 | Rs.83750 |
| No of contributors | 74 | 74 | 72 | 73 |
| Total amount for the year | Rs.56254 | Rs.70327 | Rs 86507 | Rs.1,02,678 |
| Total amount disbursed | Rs.53550 | Rs.69500 | Rs.67579 | Rs.77000 |
| No of Disbursals to the beneficiaries | 75 | 100 | 80 | 91 |

*5.1.6 What percentage of students receives financial assistance from state government, central government and other national agencies?*

The financial assistance received by the students from the State Government, Central Government and other national agencies are listed below.

**Table 5.3**

**Financial assistance to students from the Government or National Agencies**

| Name of the Scholarship | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|
|  | No. | Amount | No. | Amount | No. | Amount | No. | Amount |
| Inspire | 2 | 1,20,000 | 17 | 10,20,000 | 15 | 9,00,000 | 24 | 14,40,000 |
| Higher Education | 49 | 5,88,000 | 104 | 15,42,000 | 156 | 27,90,000 | 160 | 28,92,000 |
| Prathiba Scholarship | NA | NA | 7 | 84,000 | 12 | 1,86,000 | 21 | 3,66,000 |
| Central Sector Scholarship | 153 | 15,30,000 | 133 | 13,30,000 | 118 | 11,80,000 | 68 | 6,80,000 |
| Post Matric Scholarship | 192 | 576000 | 231 | 693000 | 210 | 630000 | 39 | 1,17,000 |
| State Merit Scholarship | 16 | 20,000 | 14 | 17,500 | 32 | 40,000 | 20 | 25,000 |

| District Merit Scholarship (DMS) | 1 | 12,50 | 7 | 8,750 | 7 | 8,750 | 6 | 7,500 |
|---|---|---|---|---|---|---|---|---|
| Suvarna Jubilee Merit Scholarship (SJMS) | 33 | 3,30,000 | 24 | 2,40,000 | 27 | 2,70,000 | 4 | 40,000 |
| C H Muhammed Koya Scholarship | 19 | 76,000 | 14 | 56000 | 24 | 96000 | 12 | 48,000 |
| Blind/PH Scholarship (BPHFC) | - | - | 2 | - | 2 | - | 1 | - |

### *5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?*

The College has a Foreign Students Welfare Cell under the guidance of a faculty member to cater to the requirements of overseas students. Presently, Mr. Anish Sebstian, Asst. Professor, Department of Commerce is the nodal officer. The services offered by the Cell include

- Facilitating acquisition of residential permit and updating visa
- Arranging accommodation facilities
- Conducting language enhancement programmes
- Addressing grievances
- Section is established in the college office to deal with ICCR fellows

Since the foreign students are allotted to the College by the affiliating university, the institution does not take any special effort to attract overseas students.

### *5.1.8 What types of support services are available for*

**Overseas Students**

- The College has a Foreign Students Welfare Cell which extends necessary support to foreign students.
- Arranging for safe accommodation
- Renewal of residential permit and visa
- Sorting out their personal issues
- Arranging remedial classes and providing academic support

- Started new additional language-Urudu exclusively for the foreign students.

**Physically Challenged/Differently abled students**

- Reservation of seats as per government and University norms
- Providing extra time to complete examinations
- Scribe facility for examinations
- Special software (JAWS) made available for the visually challenged in the library.

**SC/ST, OBC and Economically Weaker Sections**

- Special reservation at the rate of 15% and 5% for SC and ST candidates respectively in admission as per the policy of the governments.
- Facilitating students to obtain scholarships and assistance from the State and Central Governments.
- Book bank facility available in the library and in the departments.
- Remedial classes and special coaching to underprivileged students.
- PTA advances tution fee, hostel fee and examination fees.

**Students to participate in various competitions**

- Students are encouraged to participate in intercollegiate arts and sports competitions.
- Student participants are trained by professional trainers.
- Absence from class due to inter-collegiate events is treated as "other leave" on proper recommendation from the co-ordinator of relevant club/forum.
- Financial assistance to students who represent the College in inter-collegiate competitions.
- Felicitating the winners and achievers through the public address system of the College.
- Arranging special functions to felicitate students who bring laurels to the institution in state, national and international events.

**Health center, health insurance etc.**

- As Government Medical College, Calicut, is adjacent to our campus, the College does not maintain a separate health center on the campus.
- Sufficient number of sick rooms with first-aid facilities is maintained in every block.
- Facility for free medical check-up to all students by qualified doctors every year.
- PTA meets the expenses towards remittance of annual premium on the life insurance scheme in respect of all the students of the College.

**Skill development (Spoken English, Computer Literacy etc).**

- Soft skill development programmes organized by the Career Guidance Cell.
- Additional Skill Acquisition Programme (ASAP) available on the campus.
- Training in Spoken English in the computer-aided Language Lab attached to the Department of English.
- Certificate Course in Computerised Accounting (Tally and Wings) in the computer centre attached to the Department of Commerce.

**Performance enhancement for slow learners**

- Remedial classes and additional coaching to weak and slow learners outside the normal working hours.
- Tutorial system to sort out learning and other personal difficulties.
- Class-wise PTA meetings held in every semester to discuss the academic progress of students.
- Counselling to students suffering from stress, and to prospective dropouts.
- Scholar Support Programme (SSP)

**Exposure of students to other Institutions of higher learning/ corporate/ business houses**

- The academic departments depute the students to participate in seminars, workshop and competitions organized by other institutions.
- Students are sent to corporate and institutions of higher learning to do their academic projects.
- Educational tours are organized for UG and PG programmes in the Departments of Zoology, Botany, Physics and Chemistry, which help the students get exposure to educational institutions of national repute.
- Eminent academicians, scientists and industrialists are invited to the College to interact with the students.
- Students go for references in connection with their project in the neighboring leading institutions such as IISR, CWRDM, IIM, ZSI, University departments etc.

**Publication of Student Magazine**

- The College publishes annually a magazine containing selected articles from the students. The chief student-editor to the magazine is elected in the College Union election. Annual magazines of the College were recognized at the state level twice in the last four years.
- The College also brings out a half-yearly news letter called *Devadwani*.

- The students of the Department of Mass Communication launched a campus magazine called *Thalirukal* in 2015.

### 5.1.9 *Does the College provide guidance/coaching classes for civil services, defense services, NET/SLET and any other competitive examinations? If yes, what is the outcome?*

The Departments of Economics, Commerce, Mathematics, Physics, English offer special coaching for NET examinations. During the last five years 122 students cleared the UGC-NET examination of which 24 were awarded JRF.

**Table 5.4**
**The details of UGC-NET/JRF Result**

| Department | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | JRF | NET | JRF | NET | JRF | NET | JRF | NET | JRF | NET |
| English | - | 6 | 1 | 15 | - | 2 | - | 3 | 2 | 2 |
| Economics | 2 | 12 | - | 6 | 1 | - | - | - | - | 3 |
| Mathematics | - | 4 | - | - | - | 1 | - | - | - | 3 |
| Physics | - | - | 0 | 1 | - | - | - | - | - | - |
| Chemistry | 1 | 0 | 1 | 0 | 1 | - | - | - | 1 | - |
| Botany | - | - | - | 2 | - | - | - | - | | - |
| Zoology | 1 | 2 | 2 | 2 | 1 | 0 | - | - | 1 | - |
| Commerce | - | 5 | 2 | 9 | - | 1 | - | 6 | 4 | 3 |
| Social Work | - | 2 | 2 | 4 | 1 | 4 | - | - | - | - |
| Total | 4 | 31 | 8 | 39 | 4 | 8 | 0 | 9 | 8 | 11 |

The Department of Physics gives special coaching for students who wish to appear for the JAM/GATE examinations. During the last four years more than 25 students from the College got admission in IITs and Central Universities.

### 5.1.10 *Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as*
   ✓ *Additional academic support, flexibility in examinations*
   ✓ *Special dietary requirements, sports uniform and materials*
   ✓ *Any other*

The College strives to promote holistic development of the students, and encourages them to participate in sports and other co-curricular activities. The initiatives of the College in this direction includes

- Preference in admission to outstanding sportspersons and students with artistic talents.
- Special coaching facilities in volleyball, football, basketball, cricket, archery, table tennis and athletics.
- Free sports kits and uniform to sports persons.
- Granting relaxation in attendance during the days of participation.
- Additional academic support by way of extra classes to sports persons who miss classes on account of practice and competitions.
- Relaxation in attendance to students participating in co-curricular activities within or outside the College.
- Special supplementary examinations for students who fail to attend internal examinations on account of participation in co-curricular activities.
- Awards and scholarships to students who excel in sports and arts.
- Collaboration with Sports Authority of India (SAI) for providing special coaching to our students.
- Grace marks for outstanding sports personnels

*5.1.11 Does the College have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?*

- The College has a Career Guidance Cell which provides training to the students for improving their employability skills.
- The cell organizes soft skill training for the final year students with special focus on to facing job interviews.
- The Career Guidance Cell arranges sessions by eminent resource persons to enlighten students on job opportunities, market trends and the corporate demands and expectations.
- The College, with the initiative of the Students Union, offers the facility for one-time online registration for the examinations conducted by the Kerala Public Service Commission.
- The College has an Entrepreneurial Development Club to develop entrepreneurial skills among students. The club conducts entrepreneurial development programmes in collaboration with the District Industries Centre (DIC) to equip the students with necessary skills to start their own ventures.

*5.1.12 Give the number of students selected during campus interviews by different employers*

**Table 5.5**
**List of companies visited the campus**

| Year | Companies |
|---|---|
| 2012 – 13 | Campus Placement Drive for Post Graduates/Graduates |
| 2013 – 14 | Shriram Finance |
| | SHREDS for SAP Labs |
| | Federal Bank Ltd. |
| 2014 – 15 | South Indian Bank |

*5.1.13 Does the College have a registered Alumni Association? If yes, what are its activities and contributions to the development of the College?*

The College has an active Alumni Association formed to establish a relationship between the alumni and the management to help the institution in its ongoing developmental efforts. The major activities and contributions of the association to the development of the College are the following:

- The association helps in raising funds to various activities and projects of the College.
- Institutes scholarships and provides financial assistance to the poor and needy students.
- Arranges and serve as resource persons for Industry- Institution Interface sessions.
- Helps in the placement of students in the organizations where they are currently working.
- Serves in different statutory bodies like Board of Studies and Academic Council of the College.
- They offer valuable feedback to the institution about the relevance of the curriculum and the need for infrastructural development.

Apart from the general Alumni Association, every individual Department has its own separate association with the respective departments. The Association has a Bang Chapter which organizes annual gatherings in Bangalore. The vibrant Devagiri Sports Alumni extends active support to the sporting events of the College.

*5.1.14 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.*

The institution has a Students' Grievance Redressal Cell with the Principal as the Chairman and a senior faculty member as the Convener. Students are represented in the Cell by the Chairman of the College Union. Grievances submitted directly to the Cell or dropped in the suggestion box are considered in the meetings held periodically. As per the recommendations by the Cell, the College Administration has taken the following remedial measures:

**Table 5.6**
**Grievances and Action Taken**

| Nature of grievances | Action taken |
| --- | --- |
| Lack of sufficient accommodation facility for girl-students | A new women's hostel with a capacity to accommodate 80 students has been constructed with financial support of the UGC |
| Insufficiency of safe drinking water | Installed more water purifiers at different places on the campus |
| Complaint about washroom facilities | Constructed more toilets and took steps to keep the same in hygienic condition |
| Complaint about lack of ceiling fans | Additional ceiling fans have been provided in the classrooms |
| Lack of sufficient facility for internet access | More computers with internet facility have been made available to the students in the library, computer labs and in the departments |
| Insufficient parking facility | More parking facility for vehicles of students and a parking area has been provided. |

*5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?*

The College has a Women's Welfare Council which serves as the institutions mechanism to prevent sexual harassment and to resolve issues related to women. The Council is supposed to receive complaints, if any, relating to harassment either directly or through complaint boxes provided. The complaints received by the council are to be considered in its meetings and referred to the College Discipline Committee. The Council organizes awareness programmes to orient the

girl-students on threats of sexual harassment and legal recourse available to them. As the result of the precautions taken and the culture prevailing on the campus, no instances of sexual harassment has been reported so far.

### 5.1.16 Is there an anti-ragging committee? How many instances have been reported during the last four years and what action has been taken on these?

The College has a Ragging Prevention Committee with the Principal as the Chairman and a senior faculty member as the Convener. The Committee takes all necessary precautions to prevent ragging on the campus.

**Composition of Ragging Prevention Committee**
- Principal (Chairman)
- One senior faculty (Convener)
- Four staff members
- PTA vice-president
- Hostel Wardens
- College Union Chairman (Student Representative)

The measures taken by the committee include
- Visiting the classrooms of senior students and hostlers to sensitize them about the consequences of indulging in ragging.
- Orienting freshers and their parents on instances of ragging and the remedies available to them.
- Obtaining an undertaking from every student as not to indulge in ragging.
- Exhibiting the anti-ragging notifications and the phone numbers of the committee members on notice boards, within the College and the hostels.
- Displaying banners stating that ragging is a criminal offence and that the campus is ragging free.
- Surprise visits to hostels by the Committee with the objective of detecting cases of ragging if any, in hostels.
- Ragging is projected as a serious criminal offence in the College Handbook.

Only one instance of harassment was reported during the last four years. The Ragging Prevention Committee enquired into the case and as per the decision of College Council the incident was reported to the police and all the four senior students involved in the case were dismissed from the College.

*5.1.17 How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co-curricular activities, research, community orientation, etc.?*

St. Joseph's College Devagiri considers all stake holders as important participants in holistic development of students. The College takes all efforts to elicit their co-operation to ensure overall development of the students.

**Parents:**

- Presence of parents is insisted at the time of admission.
- Parents take part in the orientation-cum-induction programme organised for the freshers.
- In addition to the general PTA meetings, class-wise PTA meeting are also held every semester to discuss the academic progress of their wards.
- Any irregularity observed in the case of a student is immediately brought to the parent's notice.
- Class tutors and course teachers maintain good rapport with the parents.
- Parents are given access to the Students' Portal in the College website so that they can monitor the regularity and academic performance of their wards.
- The feedback of parents is taken to improve the academic quality and campus facilities.

**Alumni:**

- Members of alumni serve as members of the Board of Studies and other statutory bodies.
- Extend financial support to students who are financially weak.
- Assist in student placements and internships.
- Give feedback on curriculum and the facilities available on the campus.

**Industry:**

- Representatives of industries and prospective employers are included in the Board of Studies of all the departments.
- Experts from industry are invited to interact with the students and to brief them on the requirements of the industry.

**Local community:**

- The community provides opportunities for support to the extension activities of the College.
- The Social Work Department of the College works closely with NGOs and the local community.

### 5.1.18 *What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?*

St. Joseph's College Devagiri considers participation in co-curricular activities as integral to the holistic development of students. The management and the faculty members extend all support to the students to develop and exhibit their talents. The facilities and schemes available in the institution to motivate students to practice and take part in co-curricular activities include

- Coaching to selected students in sports and games by external coaches of national/ international reputation.
- Practice sessions before and after the class hours to avoid students missing classes.
- Relaxation in attendance for practice and participation in sports events.
- Free kit and uniforms to sports persons.
- Annual sports meet where students take part in competitions under the banner of their respective department ensure wider student participation.
- An active Fine arts club with a faculty as co-ordinator.
- PTA sets aside a major share of its annual budget for promoting cultural talents of the students.
- Cultural fests organized in connection with the inauguration of the College provide a platform for the artists of the College to perform before the students and the faculty of the College.
- The medals and trophies won by the students in inter-college competitions are displayed in front of the College office for others to see and appreciate.
- The Winners' names and photos are displayed on the College notice board.
- The Principal congratulates the winners through the public address system.

### 5.1.19 *How does the College ensure participation of women in 'intra' and 'inter' institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?*

The Department of Physical Education, Fine Arts Club and the College Union provide all support and encouragement to girl-students to take part in sports competitions and cultural activities. The Annual Sports Day, and the sports competitions at the zonal, university, district and state levels provide opportunities to girl-students to exhibit their sporting talents.

**Table 5.7**

**Highlights of Women Participations in Sports**

| Name | Class | Event | Position/ level |
|------|-------|-------|-----------------|
| Ms. Kavitha G. | B.Sc Mathematics | Power Lifting | All India Interuniversity– participation<br>National Level–Participation<br>State level – Gold medal<br>University level – Gold medal |
| Ms. Gadha T.P. | B.A Economics | Power Lifting | All India Inter University– Participation<br>State level – Silver Medal<br>University level – Gold Medal |
| Ms. Anju Jose | B.Sc Mathematics | Shot put, Discus throw | University level – Gold Medal |
| Ms. Megha S.V. | BBA | Chess | University Level – participation |
| Volleyball – women | | | University level – Fourth position |
| Basketball – women | | | University Level – Third Position |

Women students were an integral part of the College fine arts team which emerged either as the winner or runner-up at zonal and inter-zone fine arts festivals during the last five years. Women students have also brought laurels to the College by winning at All India Inter-University festivals.

**Table 5.8**

**Highlights of Women participation in Fine arts**

| Name | Event | Position/ level |
|------|-------|-----------------|
| Athira Krishnan | Lalitha Sangeetham (Light Music) | International level Participation<br>National level – 2nd prize |
| Anunandha R. | Group Song, Eastern | All India Inter University Arts Fest 2014 –First prize |
| Athira K. | Group Song, Eastern | All India Inter University Arts Fest 2014 –First prize |
| Anagha | Group Song, Eastern | All India Inter University Arts Fest 2014 –First prize |

## 5.2 Student Progression

*5.2.1 Provide details of programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available)*

**Table 5.9**

**Success rate of Students (UG Programmes)**

| Programme | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|
| BA Economics | 79 | 82 | 90 | 92 |
| BA English | 97 | 97 | 100 | 100 |
| B.Sc Mathematics | 80 | 77 | 83 | 96 |
| B.Sc Physics | 88 | 88 | 97 | 93 |
| B.Sc Chemistry | 92 | 85 | 95 | 98 |
| B.Sc Botany | 88 | 79 | 81 | 94 |
| B.Sc Zoology | 74 | 89 | 94 | 100 |
| B.Com (Finance) | 93 | 100 | 97 | 98 |
| BBA | Programme commenced in the year 2012-13 | | | 77 |
| B.Sc Computer science | | | | 82 |
| BCA | | | | 86 |

**Table 5.10**

**Success rate of Students (PG Programmes)**

| Programme | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|
| MA Economics | 100 | 95 | 100 | RESULT AWAITED |
| MA English | 95 | 94 | 100 | |
| M.Sc Mathematics | 95 | 93 | 79 | |
| M.Sc Physics | 91 | 92 | 100 | |
| M.Sc Chemistry | 100 | 91 | 100 | |
| M.Sc Botany | 90 | 80 | 91 | |
| M.Sc Zoology | 100 | 100 | 100 | |
| M.Com | 95 | 95 | 95 | |
| MSW | 89 | 100 | 81 | |
| M.Sc Statistics | 83 | 89 | 82 | |

The affiliating university does not publish the programme-wise success rate of the candidates. Hence it is not possible to compare the performance of the College with that of the university. The College is in its first year of autonomy and a comparative analysis of the performance of the institution with other autonomous colleges shall be made only after the first batch completes its programme. The list of our students who secured ranks/ positions at the university is furnished below.

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**Table 5.11**
**University Ranks/ Positions**

| Name of the Student | Programme | Rank/ Position | Year |
|---|---|---|---|
| Ms. Anu A.S. | BA English | III | 2011 |
| Ms. Durga Harida | BA English | III | 2011 |
| Ms. Meera Mohandas | BA Economics | I | 2011 |
| Ms. Prajisha P. | MA Economics | II | 2011 |
| Ms. Viji C.B. | M.Sc Mathematics | III | 2011 |
| Ms. Jumanath E. C. | B.Sc Physics | II | 2011 |
| Ms. Anjali K. | M.Sc Botany | I | 2011 |
| Ms. Sumitha K.V. | M.Sc Botany | II | 2011 |
| Mr. Joice Tom J. | M.Sc Zoology | I | 2011 |
| Ms. Namitha V.S. | MA English | I | 2012 |
| Ms. Aiswarya P.K. | MA English | II | 2012 |
| Ms. Anaswara P.R. | MA English | III | 2012 |
| Ms. Ranya Raveendran | MA Economics | I | 2012 |
| Ms. Priyanka T. R. | MA Economics | III | 2012 |
| Ms. Saptha Sanal | BA Economics | II | 2012 |
| Ms. Lakshmi Sankar | M.Sc Chemistry | I | 2012 |
| Ms. Rekha P. P. | M.Sc Chemistry | III | 2012 |
| Ms. K. S. Aparna | M.Sc Zoology | I | 2012 |
| Ms. AnnRoopa Jacob | BA English | III | 2013 |
| Ms. Anu Jose | B.Sc Physics | I | 2013 |
| Ms. Veena V. | M.Sc Botany | I | 2013 |
| Ms. Anu N. | B.Sc Zoology | I | 2013 |
| Ms. Binisha P. | M.Sc Zoology | I | 2013 |
| Ms. Saranya P. M. | M.Sc Zoology | II | 2013 |
| Ms. Sarika A. K. | M.Sc Zoology | III | 2013 |
| Ms. Anju George | MA Economics | I | 2014 |
| Ms. Sribija K. | MA Economics | III | 2014 |
| Ms. Deepa S. | M.Sc Zoology | I | 2014 |
| Mr. Akhil S. V. | M.Sc Zoology | II | 2014 |
| Ms. Arundhathiraj | B.Sc Zoology | III | 2014 |
| Ms. Athira Jose | MA English | I | 2015 |
| Ms. Veenadevi Cheriyath | MA English | I | 2015 |

| Mr. Vyshnav Unni | M.Sc Mathematics | II | 2015 |
|---|---|---|---|
| Ms. Sruthi A. K. | M.Sc  Mathematics | III | 2015 |
| Ms. Priya K. | B.Sc Mathematics | I | 2015 |
| Mr. Aslin Varkey | B.Sc Mathematics | II | 2015 |
| Ms. Chaithra | B.Sc Botany | II | 2015 |

*5.2.2   Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the observed trends.*

**Table 5.12**
**Student progression**

| Student progression | In Percentage |
|---|---|
| UG to PG | 60 |
| PG to M.Phil | 4 |
| PG to PhD. | 6 |
| Employed<br>• Campus selection<br>• Other than campus recruitment | 6.13<br>38 |

*5.2.3 What is the Programme-wise completion rate/ dropout rate within the time span as stipulated by the College/University?*

**Table 5.13**
**Programme wise Dropout Rate and Completion Rate of UG programmes**

| Programme | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|
| | DR* | CR* | DR | CR | DR | CR | DR | CR |
| BA Economics | 3 | 97 | 3 | 97 | 5 | 95 | 5 | 95 |
| BA English | 12 | 88 | 10 | 90 | 12 | 88 | 7 | 93 |
| B.Sc Mathematics | 4 | 96 | 13 | 87 | 2 | 98 | 4 | 96 |
| B.Sc Physics | 8 | 92 | 10 | 90 | 12 | 88 | 2 | 98 |
| B.Sc Chemistry | 9 | 91 | 20 | 80 | 6 | 94 | 6 | 94 |
| B.Sc Botany | 10 | 90 | 38 | 62 | 6 | 94 | 6 | 94 |
| B.Sc Zoology | 24 | 76 | 19 | 81 | 8 | 92 | 16 | 84 |
| B.Com Finance | 8 | 91 | 6 | 94 | 3 | 97 | 3 | 97 |
| B.Sc Computer Science | Course commenced in 2011-12 | | | | | | 4 | 96 |
| BBA | | | | | | | 0 | 100 |
| BCA | | | | | | | 12 | 88 |

**\*** DR – Dropout rate, CR- Completion Rate

**Table 5.14**

**Programme-wise Dropout rate and completion rate of PG programmes**

| Programme | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|
| | DR* | CR* | DR | CR | DR | CR | DR | CR |
| MA Economics | 5 | 95 | 5 | 95 | 9 | 91 | 0 | 100 |
| MA English | 5 | 95 | 0 | 100 | 0 | 100 | 0 | 100 |
| M.Sc Mathematics | 14 | 86 | 15 | 85 | 0 | 100 | 0 | 100 |
| M.Sc Physics | 9 | 91 | 0 | 100 | 0 | 100 | 0 | 100 |
| M.Sc Chemistry | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 100 |
| M.Sc Botany | 0 | 100 | 9 | 91 | 0 | 100 | 0 | 100 |
| M.Sc Zoology | 0 | 100 | 0 | 100 | 0 | 100 | 0 | 100 |
| M.Com | 8 | 92 | 0 | 100 | 5 | 95 | 0 | 100 |
| MSW | 16 | 84 | 0 | 100 | 0 | 100 | 5 | 95 |
| M.Sc Statistics | 8 | 92 | 8 | 92 | 0 | 100 | 0 | 100 |

*DR – Dropout rate, CR- Completion Rate

*5.2.4 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.*

The College has an impressive track record of students appearing and qualifying in competitive examinations. More than 90% of the PG students appear for UGC-CSIR- NET and UGC-NET examinations. A good number of students have entered into central and state services during the last five years. Ms. Aswathi S. (B.Com 2004-2007 Batch) secured 24th Rank in UPSC Civil Services Examination 2012 and entered into IAS (Karnataka Cadre).

**Table 5.15**

**Students Qualified UGC- CSIR- NET and UGC- NET Examination**

| Department | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|
| English | 6 | 16 | 2 | 3 | 4 |
| Economics | 14 | 6 | 1 | 0 | 3 |
| Mathematics | 4 | 0 | 1 | 0 | 3 |
| Physics | 0 | 1 | 0 | 0 | 0 |
| Chemistry | 1 | 1 | 1 | 0 | 1 |
| Botany | 0 | 2 | 0 | 0 | 0 |
| Zoology | 3 | 4 | 1 | 0 | 1 |
| Commerce | 5 | 11 | 1 | 6 | 7 |
| MSW | 2 | 6 | 5 | 0 | 0 |
| Total | 35 | 47 | 12 | 9 | 19 |

*5.2.5    Provide details regarding the number of PhD/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.*

**Table 5.16**
**Details of thesis submitted and awarded**

| Number of PhD Thesis | 2011 - 12 | 2012 – 13 | 2013 - 14 | 2014 - 15 | Total |
|---|---|---|---|---|---|
| Submitted | Nil | Nil | Nil | 2 | 2 |
| Awarded | 1 | Nil | 2 | 1 | 4 |

## 5.3    Student Participation and Activities

*5.3.1    List the range of sports and games, cultural and extracurricular activities available to students. Provide details of participation and programme calendar.*

A deluge of sporting, cultural and co-curricular activities are available for the students to take part and prove their talents.

**Sports and Games:**

- Facilities for volleyball, basketball, football, cricket, athletics, shooting and archery are available.
- Indoor games like chess, table tennis, shuttle badminton, weight lifting, boxing and tae kwon do also are played by the students.
- A Stadium with 400 meters eight-lane track meeting international standards is a major attraction on the campus.
- Students actively participate in various sport events at university, district, state and national level.
- Annual sport meet and inter-departmental games promote healthy competition among the students.

**Cultural activities:**

- The College has one of the best teams of artists who have brought many laurels to the College at university, state and national level fests. Arts Club Day, Fine Arts Day, College Union Day, Union Inauguration and Department Association Days provide opportunity to the students to exhibit their talents. Lunch-Time Concert, one of the best practices of the College, provides a platform where gifted artists can perform individually or in groups during the lunch break on all Wednesdays. B-Zone and Inter-zone Arts Festivals, *Chingamassam*, *Rotrotsav*, *Ragam* etc. are some of the arts festivals where our students regularly take part and win prizes. St. Joseph's

College, Devagiri, has been either the winner or the runner-up in all the B-Zone and Inter-Zone Arts Festivals during the last five years.

- Fr. Theodosius Memorial Elocution Competition, Midhun Mangalassery Memorial Business Quiz, Zero Hour (General Quiz), Xplore.Comm (Management Meet), Yuga (Cultural and Literary Fest)

*5.3.2 Provide details of the previous four years regarding the achievements of students in co-curricular, extracurricular activities and cultural activities at different levels: University / State / Zonal / National / International, etc.*

**Table 5.17**
**Prominent Performers in Sports and Games (last five years)**

| Name of the student | Item /Position | Event and Level of participation | Year |
|---|---|---|---|
| Mr. Akhil Johnson | 400m Hurdles – (Silver medalist) | National Athletic Junior Championship | 2011-12 |
| Mr. Irfan K.T. | 20km Race – Walk (10$^{th}$ position) | **London Olympics** (International) | 2012-13 |
| Mr. Sajay O.S. | Indian Youth Volleyball Team – (4$^{th}$ position) | Asian Youth Championship (Inter-national) | 2012-13 |
| Mr. Noah Nirmal Tom | 4 x 400m Relay (Silver medal) | Asian Junior Athletic (International) | 2013-14 |
| Mr. Anu James | Volleyball (Represented India) | Asian Junior Volleyball Tournament (International) | 2014-15 |
| Mr. Fasil K M | Volleyball (Represented India) | Asian Junior Volleyball Tournament (International) | 2014-15 |

**Table 5.18**
**Performance of the College in Arts Fests**

| Year | Zonal Level | University Level |
|---|---|---|
| 2011 – 12 | First runner-up | - |
| 2012 – 13 | Winner | Winner |
| 2013 – 14 | First runner-up | First runner-up |
| 2014 – 15 | Winner | Winner |
| Our College represented Calicut University in All India Inter University Fest 2014 at Kurukshetra, Haryana and won the first prize in group song (Eastern). | | |

**Table 5.19**

**Prizes won in Zonal and University Arts Fests (last four years)**

| Year | Zonal Level | | | University Level | | |
|---|---|---|---|---|---|---|
| | I$^{st}$ | II$^{nd}$ | III$^{rd}$ | I$^{st}$ | II$^{nd}$ | III$^{rd}$ |
| 2011 – 12 | 25 | 13 | 1 | 17 | 2 | 0 |
| 2012 – 13 | 65 | 14 | 9 | 61 | 21 | 9 |
| 2013 – 14 | 75 | 18 | 22 | 41 | 34 | 3 |
| 2014 - 15 | 71 | 38 | 10 | 33 | 41 | 12 |

### *5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?*

- A comprehensive institutional feedback is taken from the final year students every year on completion of their academic programme. This would include their responses on the support services available in the institution.
- The College has a practice of conducting SWOC analysis at the institutional and departmental levels. The students who participate in the SWOC analysis also highlight the areas of support services where improvement is required.
- The student feedback is analysed in appropriate forums and necessary corrective measures are taken.

### *5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employer, to improve the growth and development of the College?*

- The College takes feedback from the outgoing graduates every year.
- The alumni offer their feedback about the effectiveness of the programmes undergone and the training they had in the College during alumni meets and as and when they visit the College.
- Suggestions of alumni who pursue higher studies in reputed institutions are also sought for devising strategies to ensure efficient progression of the subsequent batches of students.
- Alumni who serve on the Board of Studies and other statutory bodies make significant contributions to the proceedings on curriculum design and development.
- The College does not have a formal mechanism to seek feedback from employers. But members of the faculty are encouraged to interact with the representatives of the industry to know about market trends and corporate requirements.

*5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.*

Students of the Departments of English and Botany create wall magazines. The Department of Botany brings out a manuscript entitled *Graphia*. The Department of Mass Communication publishes a magazine named *Thalirukal*. The Students Union brings out a quarterly news magazine entitled *Devadwani*. Students under the leadership of the Chief Student Editor publish the College magazine every year. The students are encouraged to contribute their poems, essays, stories and drawings to the magazine. The details of the College magazines of the previous years are given below:

**Table 5.20**
**Details of College Magazines**

| Year | Title of the Magazine | Student Editor |
|---|---|---|
| 2011 – 12 | Apol Paranju Vannathu | Din Nath Puthanchery |
| 2012 – 13 | Copy Left* | Mohammed Shafeeque |
| 2013 – 14 | Chayapettathu | Askar Ali |
| 2014 – 15 | Soil – So ill – So I'll | Arun Eppan |

(*won the best College Magazine Award instituted by *Malayala Manorama Daily*)

*5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.*

St. Joseph's College Devagiri has an active College Union which organizes a variety of programmes to promote leadership and artistic talents of the students. The office bearers of the College Union are selected through the election conducted as per the rules and regulations of the affiliating university.

**Table 5.21**
**List of Officer Bearer (2014-15)**

| College Union Representatives | |
|---|---|
| The Chairman | Shamnas M.P. |
| The Vice Chairperson | Hamna K.C. |
| The General Secretary | Naveen Tomy |
| The Joint Secretary | Sreelakshmi V. Nair |
| The UUC | Ajith K.K., Smruthi V. Sasidharan |
| The Fine Arts Secretary | Abhijith V. Damodaran |
| The Magazine Editor | Arun Eappen Joseph |
| The General Captain | Arun M. Antony |

**Activities of the College Union**

- Departmental association activities
- Sports day
- Arts Fest
- Gender sensitization programmes
- Book fest
- Regular medical checkups
- Enrolment in voters' list
- Poster making
- National Day celebrations
- One time PSC registration of students
- Charitable services

### 5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.

There are student representatives in IQAC, Library Advisory Committee, Students' Grievance Redressal Cell, Ethics Committee, Women's Welfare Council, Magazine Committee etc. Student members participate, give suggestions and assist in organizing the meetings.

All the co-curricular activities of the College are organized by the student secretaries under the guidance of the staff co-ordinators concerned.

## CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

St. Joseph's College Devagiri is an institution of higher education which has been constantly striving to mould young men and women into dutiful citizens devoted to the common pursuit of truth and excellence. The governance and management of this institution are essentially democratic and its leadership is zealous about protecting the interests of all the stakeholders. The participatory philosophy of all governance is reflected in the institutional structure characterized by delegation, decentralization and departmentalization of academic and administrative activities.

### 6.1 Institutional Vision and Leadership

The crest of the College is designed keeping in mind the vision and mission of the institution. It is a pictorial representation of its holistic vision, which corresponds with the educational policy of its founding congregation.



The crown at the apex is an archetypal symbol of authority and victory, and hence suggestive of the institution's commitment to empowerment through education and of its optimism about the ultimate victory over all forces of darkness. The lily, a symbol of purity, on the top left panel, stands for St. Joseph, the Patron of the College. On the spiritual level, the open book on the top right panel stands for God, the Alpha and Omega of wisdom and articulates the message that the fear of God is the beginning of wisdom. On the temporal level, the book stands for knowledge, the dissemination of which is the short-term objective of this institution. The blue sea, on the bottom left panel, suggests the deep and boundless expanse of knowledge, while the ship indicates tenacious effort required to explore the same. The anchor, which has its ring on the spiritual upper half of the crest and its flukes overlapping the sea and the land on the temporal lower half highlights the need to hold on to hope and faith as we sail through the turbulent sea of life. The virgin soil and the sturdy tree symbolize God's bounty and support to man. The motto, 'Pro Deo et Patria' (For God and Country), inscribed at the bottom of the crest, is a concise Latin rendering of this institution's commitment to the Creator and the Fatherland.

*6.1.1 State the vision and mission of the College.*

The College considers education as integral to the formation of the human person for the fulfilment of his/her individual and social responsibilities. The vision and mission of the institution upholds the charisma of the founding congregation and are in tune with the objectives of higher education in the country.

**Vision Statement**

"To form leaders who are intellectually competent, spiritually mature, morally upright, psychologically acceptable who will champion the cause of justice, love, truth and peace and who are ever open to further growth.

To create a just and humane society where dignity of the human person is respected, where unjust social structures are challenged, where our cultural heritage of ahimsa, religious harmony and national integration is upheld, and where the poor and the marginalised are specially taken care of."

**Mission Statement**

We are committed

- To build up a community of staff and students committed to the common pursuit of truth and moral excellence.
- To help students achieve self discipline, cultivate good habits and become open to the Spirit.
- To train students in clarity of thought and accuracy of expression and develop in them leadership qualities.
- To promote a healthy modern outlook among the students while drawing inspiration from our ancient cultural heritage and tradition.
- To become an instrument of social change and a force for integration among linguistic, religious and caste groups and inspire young men and women to work for the eradication of social evils.
- To inculcate in the students a sense of responsibility to the nation, and encourage their creative involvement in the building up of a new India- a country free from exploitation, injustice, ignorance, poverty and misery.

*6.1.2 Does the mission statement define the College's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College's traditions and value orientations, vision for the future, etc.?*

The distinctive character of the College is our concerted endeavor to transform students into agents of social change and forces for integration in a society marked by linguistic, religious and economic diversities. The mission and ethos of the institution spring from the vision of St. Kuriakose Elias Chavara, a great visionary of the nineteenth centuary who realised the role of education in social

transformation. The College stands for the pursuit of truth, moral excellence, openness to the spirit and a modern outlook while upholding the nation's rich culture and heritage. This is unambiguously spelt out in the vision statement of the institution.

***Our institution has the following characteristics:***

- It aspires towards creating a just and humane academic community where each student is respected and the poor and the marginalised are specially taken care of.
- It is a community characterised by shared vision and mutual love.
- It stands for excellence in both academic and co-curricular fields.
- All the relationships in the institution are characterised by love, justice, truth, partnership and mutual respect.
- The curriculum promotes self-confidence, hardwork, national feelings, discipline and leadership.
- The all-round development of every student is the concern of all.
- It reaches out to the families around, especially of the students, to assist them in their needs and to share their joys and sorrows.
- It provides opportunities and programmes for promoting national integration and inter- religious understanding among the staff, students and the community around.
- It enshrines the person of Jesus Christ as the moving spirit of the institution and begins the day with a prayer and the national anthem.

### 6.1.3 How is the leadership involved in ensuring the organisation's management system development, implementation and continuous improvement.

St. Joseph's College, Devagiri, is a Christian minority institution run by the St. Joseph's society of St. Thomas Province of the Carmelites of Mary Immaculate (CMI). The Superior of St. Joseph's Monastery is the Secretary of College Society and the Manager of the College. The executive committee of the Society constitutes the College Governing Body. The Governing Body is a policy making body which periodically plans the policies pertaining to academic and administrative matters.

The Statutory bodies of the College are the Governing Council, the Academic Council, the Board of studies and the Finance Committee.

The Governing Council is constituted in line with the recommendations of the UGC and the guidelines of the Government of Kerala. The Manager of the

College is the Chairman and the Principal, the ex-officio secretary. The Council which has representation of the faculty and nominees of the affiliating university, the State Government and the UGC as members, steers the organisation management systems, their implementation and continuous development. It proposes the introduction of new programmes and, on the recommendations of the Finance Committee, approves proposals for infrastructure development. The Governing Council assesses and evaluates all the activities and programmes of the College and offers suggestions for improvement.

The Principal as the Head of the Institution co-ordinates and monitors the academic and administrative functions of the College. He is responsible for providing a favorable ambience for the intellectual pursuit of staff and students and plays a key role in directing them towards excellence. The Principal, with the assistance of various committees, plans and executes all the academic and co-curricular programmes of the College.

The Vice-Principal assists the Principal in the day-to-day functioning of the College and officiates as the Principal during the Principal's absence. The Vice-Principal monitors admission process and the student attendance.

The Academic Council, constituted according to the guidelines of the UGC, reviews and approves the recommendations of the Board of Studies in respect of curriculum development.

The Board of Studies designs the curriculum, syllabi, prepare panel of question paper setters and examiners and present the resolution in Academic Council meeting.

The Finance Committee is an advisory body to the Governing Council. It oversees the preparation of the budget and ensures that every expenditure incurred is within the provisions of the budget and with proper financial discipline.

The College Council, consisting of all the heads of departments, the librarian and the two elected representatives of the faculty, discusses all the major programmes and issues in the College and advises the Principal in the smooth administration of the institution.

The Controller of Examinations heads the examination office. He is responsible for the conduct of the examinations in a fair and efficient manner. The CoE draws up the examination calendar in consultation with the Principal and with due regard to the guidelines of the statutory bodies and ensures adherence to the Examination manual.

The leadership of the College is essentially participatory and is characterised by delegation and decentralisation. All the activities of the College are planned and

executed by the respective committee in charge of the same, after democratic discussions among the members of the committee, and reaching decisions based on consensus.

**Interaction with Stakeholders:**

The governance of the College is participatory and the leadership is involved in constant interaction with different stakeholders such as students, faculty, alumni, parents, representatives of industry and the local community. The institution has a mechanism to seek the feedback of students, parents and alumni. Representatives of the industry who are members of the Board of Studies and the Academic Council give their suggestions on the curriculum and the expectations of the job market. Feedbacks received from the stakeholders are considered for framing and revision of institutional policies.

**Reinforcing the culture of excellence:**

Excellence is considered both as a goal and a culture in this institution. The management believes that institutional excellence can be achieved only when quality is insisted on everything that we do. With a view to reinforcing the culture of excellence the College has adopted a variety of practices:

- Orienting staff and students on the organisational vision and mission
- Ensuring competency of the faculty through merit-based selection and faculty development initiatives
- Encouraging research and publication
- ICT enabled and student-centric teaching methodologies
- Maintaining the campus clean and disciplined
- Participatory leadership style
- Use of feedback for the growth of the institution

The Internal Quality Assurance Cell (IQAC) of the College is entrusted with the task of initiating and monitoring the quality enhancement strategies of the institution. The Institution's quest for excellence was recognised by the UGC by granting the status, 'College with Potential for Excellence' (CPE) to our institution in 2010 and by the conferring the status of Autonomy in 2014.

**Identifying needs and championing organizational development (OD):**

- The College Council which meets frequently discusses and identifies areas where organizational development is required.
- The Principal conducts regular meetings with the faculty and the administrative staff to identify and set priority for organization's development needs.
- Regular IQAC meetings review the progress of the institution's strategies for organizational development.

*6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.*

There has not been any instance of senior leadership positions of the College remaining vacant for long. When the post of the Principal fell vacant on July 22, 2014 consequent on the relieving of Rev. Fr. Benny Sebastian CMI, the management promoted Dr. Sibichen M. Thomas as the Principal, w.e.f. July 23, 2014 to ensure smooth transition.

*6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?*

Various statutory bodies such as the Governing Council, Academic Council, Board of Studies of different departments, and the Finance Committee are duly constituted as per the guidelines of the UGC and the State government. All the positions in these statutory bodies are filled with representatives from all stipulated sections.

*6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.*

St. Joseph's College Devagiri has evolved a system of participatory governance through the processes of delegation and decentralization. The leadership of the institution is committed to ensure the participation of all stakeholders by strengthening the various statutory and non-statutory bodies functioning in the College.

Participation in administration is achieved through the constitution of the Governing Council, the Academic Council, the Boards of Studies and the Finance Council. These bodies with the representatives of the faculty and nominees of the affiliating university, the State government and the UGC as members formulate policies and frame strategies through a democratic process where decisions are taken on consensus.

The extent of participative management practiced in the institution is highlighted by the following:

- The Principal takes policy decisions in consultation with the College Council comprising all HODs and two elected staff representatives.
- The Vice Principal oversees the admission process and monitors students' attendance regularity.

- The Deans co-ordinate the functioning of the different Boards of Studies in the respective faculty and give guidelines on the course regulation and the pattern of question papers.
- The Heads of the Departments allocate work to the faculty members and prepare time tables for their respective departments. The HoD monitors the academic progress and regularity of students through course teachers and class tutors.
- All the co-curricular and extension activities are planned and executed by the co-ordinators in different clubs and forums.
- The staff meetings are held at least once every three months where important matters relating to academics, examinations, research and the general discipline of the campus are deliberated and the opinion of the staff is sought.
- The IQAC is actively involved in prescribing quality norms and ensuring adherence to the same.
- The Students' Union under the guidance of the Staff Advisor co-ordinates the literary and cultural activities of the College.
- Committees such as Discipline Committe, Ragging Prevention Committee, Fine Arts Committee, PTA Executive Committee, Admission Committee, Grievance Redressal Cell, Ethics Committee, College Magazine Committee, Research Advisory Committee, Library Advisory Committee, Anti Drug Committee, and NSS and NCC are some of the forums where the faculty get involved in the planning and execution of the co-curricular activities of the institution.

*6.1.7 Give details of the academic and administrative leadership provided by the University to the College?*

Prior to obtaining autonomy, the affiliating university framed curriculum for all the programmes of the College, drew up the academic calendar, conducted examinations, published the results, issued mark lists and awarded the degree.

Even after conferring autonomy, the parent university provides academic and administrative leadership to the College. Important areas of support are the following:

- Strengthening the academic process through the presence of its nominees in the Governing Council, Academic Council and Board of Studies
- Approval of Curriculum
- Sanctioning of new courses

- Awarding degree to the students
- Monitoring the constitution and functioning of the College Union
- Coordinating the activities of NSS in the College
- Providing the platform for intercollegiate Arts and Sports festivals and selecting the students to participate in inter-university meets
- The Academic Staff College of the university organises faculty enhancement programmes like orientation courses and refresher courses
- The College Development Council acts as the link between the College and the UGC

### *6.1.8 How does the College groom the leadership at various levels?*

The College spares no opportunity that it gets to strengthen the leadership skills of its staff and students. Some of the initiatives the institution adapts for grooming leadership are

**Staff**

- Various administrative posts such as those of the Vice Principal, the Deans, the Chairman of Boards of Studies, the Heads of the departments, the Controller of Examinations, the co-ordinators of Clubs and Forums etc. are held by the teaching staff
- Some of our staff members hold positions in different social organisations and take a lead role in several movements
- Our staff members are members of different academic bodies of the affiliating university and other institutions
- Staff members are encouraged to attend orientation programmes and other faculty development programmes organised by the university and other institutions
- Statutory Bodies, the IQAC and the College Council provide the staff members with the opportunity to deliberate on various issues and thereby improve their leadership talents

**Students**

- The College has an elected College Union comprising the Chairman, the Secretary, the Executive members, the Association Secretaries and Class Representatives. The elections to the College Union give an opportunity to our students to get trained in the democratic process. A number of our alumni are holding important positions in the State government and politics
- NSS and NCC units of the College groom students into talented leaders

- All the clubs and forums functioning in the College provide the students with the opportunity to plan and execute various co-curricular programmes in the institution. All the clubs have students as secretaries
- Students are encouraged to take part in various seminars, fests and competitions conducted inside and outside the College
- Our students organise a number of inter-college events such as *Explore.comm* (Management meet), *Zero Hour* (General quiz), *Nirvana* (Management meet), *Brahmam* (Science fest), and *Yuga* (Literary fest)

### *6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.*

The institutional strategy for knowledge management addresses issues relating to knowledge acquisition, dissemination and storage.

- The College has the facility for capturing, sharing and storage of IT-based knowledge in every department.
- Faculty members who attend seminars, workshops and faculty development programmes outside share their experience in departmental staff meetings.
- The College encourages the faculty and research scholars to publish their findings in journals.
- With a view to promoting publication of research findings, the College has launched two journals–*Devagiri Journal of Science* and *Advanced Social Work Journal.*
- The workshops organised by the departments in connection with curriculum revision have provided a good platform for sharing of knowledge among the faculty members of the respective departments.
- Every department preserves the hard copies of the student projects for future reference.
- Library maintains a repository of dissertations, the research findings and publications of the faculty and students.
- The Management organizes an orientation programme for newly recruited faculty members in which the vision and the mission of the College are explained and the new faculty members get exposed to the organizational ethos and culture.
- The IQAC arranges sessions on quality assurance and enhancement processes.

*6.1.10 How are the following values reflected in various functions of the College?*

The College functions with the motto 'Pro Deo et Patria' (For God and Country) and hence all its activities are carried out with a view to moulding students into dutiful citizens who can contribute positively towards national development. The institution's commitment to the cause of national development is reflected in the following:

- The College contributes towards the development of human capital which is vital for the growth of any nation. The College makes conscious efforts to enhance civic sense and employability in students.
- The institution which was established with the objective of catering to the educational needs of the Malabar region of Kerala continues to strive for the same.
- St. Joseph's College Devagiri, which is committed to ensure inclusive growth offers admission to students from all sections of the society irrespective any discrimination in the name of caste, creed or religion.
- The College endeavours to promote patriotism and nationalism among students by observing and celebrating days of national importance such as Republic Day and Independence Day. Every day classes begin with the National Anthem.
- Invited talks are arranged to sensitize the staff and the students on social issues.
- Students are motivated to take social projects as part of the seven-day annual camps of NSS and the academic projects of the Social Work Department.
- Efforts are made to empower students through different forums like the Entrepreneurial Development Club and Women's Welfare Council.

**Fostering global competencies among students:**
- Upgrading of curriculum by including emerging areas in the respective discipline
- Focusing on enhancing employability skills
- Offering foreign languages like French and Urdu as second language
- Promoting leadership qualities through student participation in co-curricular and extension activities
- Practical exposure to students through internship, field visits and academic projects

*Inculcating a value system among students:*
The College through its academic and co-curricular activities strive to the promote following values among the students:
- Involvement in the activities of NSS and *Bhoomitrasena* foster in students a sense of respect for nature and a concern for green and clean surroundings
- Activities of the clubs and forums where students take the lead role in planning and execution, train them in the democratic process
- Celebrating festivals of different religions help students develop the spirit of tolerance and respect towards for all religions
- Activities of the Blood Donors' Forum groom students into citizens with empathy towards the sick and needy

*Promoting use of technology:*
- Class rooms are equipped with LCD
- Library is automated with KOHA software and open access through OPAC.
- Access to e-journals through INFLIBNET
- Progressive automation of the institution through campus automation software
- Training in Computerised Accounting packages
- Campus is connected through LAN and Wi-Fi

*Quest for Excellence:*
The College aims at achieving excellence in all its endeavours. In order to sustain and enhance quality in its functioning, the institution has adopted the following measures:
- Establishment of Internal Quality Assurance Cell
- Acquiring the status of Autonomy in 2014
- Recruiting faculty with research degrees
- Launching of two research journals
- Introduction of new academic programmes
- Extensive use of ICT enabled and student centric methodologies
- Improvement in infrastructure facilities

### 6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance.

The College acquired autonomy in July 2014 and the UGC Autonomous Review Committee has not yet reviewed the progress of the implementation of autonomy in the institution.

## 6.2    Strategy Development and Deployment

*6.2.1   Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.*

✓ *Teaching and learning*

✓ *Research and development*

✓ *Community engagement*

✓ *Human resource planning and development*

✓ *Industry interaction*

✓ *Internationalization*

The College believes that in order to ensure sustainable development, the institution has to formulate long term strategies in different functional areas which must be effectively communicated to all the stakeholders and carefully implemented. The institution's perspective plans in different functional areas along with the considerations for the next five years are furnished below.

**Table 6.2**
**Plan of development in different functional areas**

| Areas of focus | Aspects considered | Perspective plan for (2015- 2020) |
|---|---|---|
| Teaching and learning | • Focusing on global competency<br>• Improve employability<br>• Student-centric learning<br>• Improved use of ICT<br>• Catering to students' needs<br>• Effective evaluation system | • Introducing soft skill training into curriculum<br>• Introducing smart class rooms with state- of- art facilities<br>• Make more LCD and laptops available<br>• Reform the examination system<br>• Effective use of feedback of students, alumni, parents etc. |
| Research and development | • Promotion of research climate<br>• Inter-disciplinary research<br>• Research projects with social orientation<br>• Strengthen research centres<br>• Optimum utilisation of resources | • Sign MoU with premier institutions and take up collaborative research projects<br>• Promote inter-disciplinary research<br>• Set up a separate research block for science<br>• Strengthen the research journals<br>• Every faculty should have at least one major/ minor project<br>• More national/ international seminars with financial help of funding agencies<br>• Apply for patents |

| | | |
|---|---|---|
| Community engagement | • Promotion of social consciousness among students<br>• Addressing social issues<br>• Community outreach<br>• Lab to land programmes | • Introduce community service into curriculum of UG programme with credits<br>• More tie-ups with NGOs<br>• Village adoption by the Department of Social Work<br>• Assist government and local bodies in Community projects |
| Human Resource planning and development | • Quality enhancement<br>• Employee welfare<br>• Faculty sharing | • Depute teachers to Orientation Courses and Refresher Courses<br>• Organise faculty development programmes<br>• Motivate faculty to acquire research degrees<br>• Introduce welfare schemes such as medical insurance for teachers under self-financing stream<br>• Promote sharing of faculty with collaborative institutions. |
| Industry Interaction | • Industry feed back<br>• Interaction<br>• Placements<br>• Consultancy | • Increased use of industry feed back for curriculum revisions<br>• Invited talks by industrialists and interaction with them.<br>• Bring more institutions for campus placement<br>• Promote consultancy of staff in revenue sharing basis |
| Internationalization | • Admission to International students<br>• Collaboration with foreign institutions<br>• Student exchange programmes | • Effective use of feedback of students, enhance enrolment of foreign students<br>• Promote collaborative research with institutions outside the country<br>• Initiate collaboration and student exchange programmes with foreign institutions. |

*6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.*

**Figure 6.1**
**Internal Organizational Structure of the College**
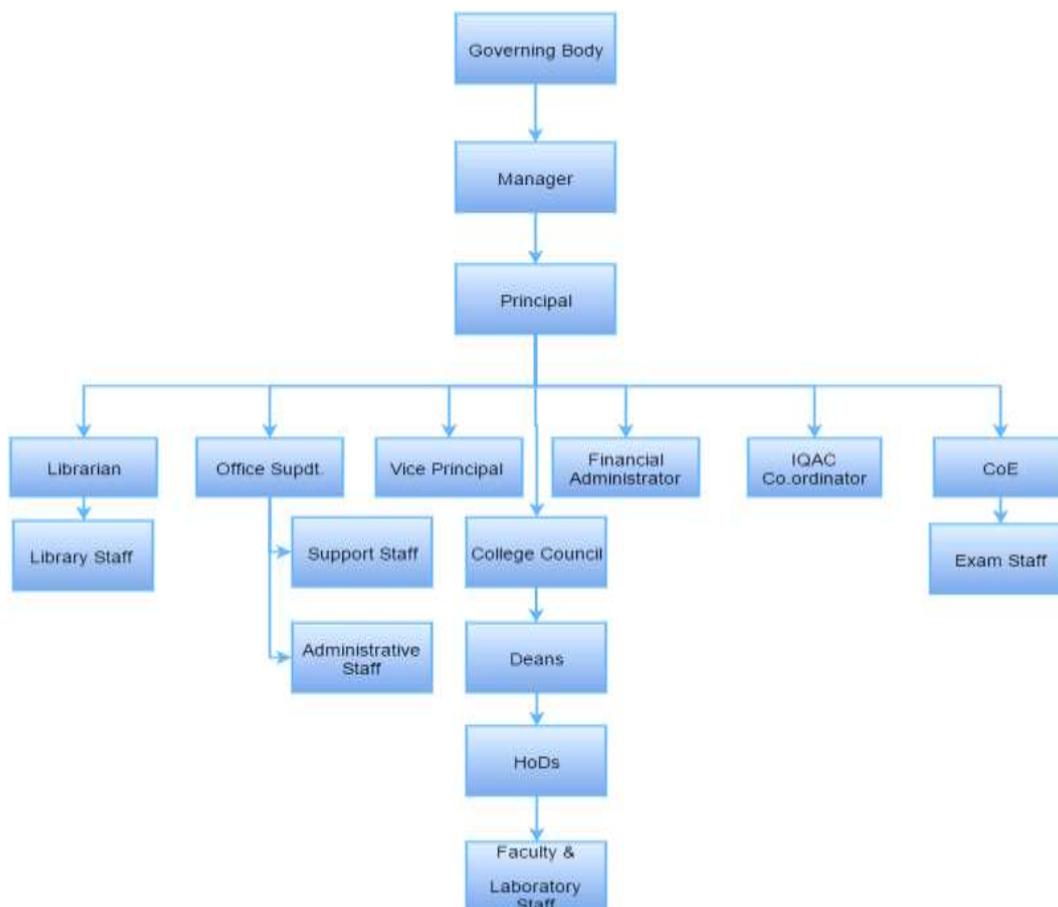


*6.2.3 Specify how many planned proposals were initiated/ implemented, during the last four years. Give details.*

The College has a well defined organization structure with clearly defined roles. Such a decentralized structure facilitates effective decision making, communication and implementation.

The following proposals were initiated and implemented during the last four years:

**Academic:**
- Seven UG programmes namely BBA, BCA, B.Sc Computer Science, B.Com Computer Application, B.Sc Psychology, BA Functional English and BA Mass Communication were introduced
- MA Malayalam was introduced
- Two research centres (Mathematics and Physics) came into being

- Coaching for UGC- NET examinations was initiated
- A good number of proposals for major and minor research projects were submitted
- Launched two research journals (*Devagiri Journal of Science, Advanced Social Work Journal*)
- National Seminars were organized
- Obtained Autonomous status in 2014

**Infrastructure:**
- Women's Hostel with the financial assistance of UGC
- Fr. Theodosius Block ( construction of three floors completed and two more floors in progress)
- CPE - status got extended from 2014 to 2019
- UGC assistance for an indoor stadium and an outdoor stadium was sanctioned
- DST-FIST recognition to the College (XII Plan )
- More LCDs, laptops and computers acquired
- Free internet facility made available to students
- CCTV surveillance
- Use of solar energy in the new block


*6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?*

The quality policy of the College is inbuilt in its vision and mission statements. It is the institution's commitment to provide a conducive environment and the best possible infrastructure for the enrichment of the young minds, and finally to turn them into mature individuals for the benefit of our nation. The institution's quest for excellence is the driving force that helps it to plan and implement all its activities.

The Principal and the IQAC ensure that all students and staff are oriented towards the mission of achieving excellence. The steps taken to implement the policy are regularly reviewed by the IQAC and changes required are suggested.

*6.2.5 How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?*

The College has its own mechanism for prompt redressal of grievances.

**Student Grievances:**

The College has a Grievance Redressal Cell with a senior faculty member as its co-ordinator. Students can bring their grievances, if any, directly to the cell or can drop the same in boxes kept at different places in the College. The complaints received by the students are reviewed by the cell and necessary action is taken.

For redressing grievances relating to internal assessment there is a special mechanism which consists of departmental and institution-level redressal committees. The Discipline Committee, Ragging Prevention Committee, Women's Welfare Council etc. also take up and redress student grievances brought before them.

**Staff Grievances:**

The staff have direct access to the Principal and their personal grievances, if any, are resolved by the Principal. General grievances of the staff are brought to the Principal's notice by the elected staff representatives or are raised in the College Council where necessary redressal is ensured. The manager also meets the staff members and seeks their opinions on the functioning of the College.

*6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?*

The College has a system of collecting feedback on institutional performance from all the students at the end of their course of study. Feedback is obtained based on a pre-designed questionnaire regarding various aspects such as relevance of curriculum, teaching quality, co- curricular opportunities, infrastructure facilities etc. The whole process is administered and monitored by the IQAC. The responses obtained are analysed and discussed in the IQAC meetings and are forwarded to the Principal who initiates necessary corrective measures.

The institution responds positively to the students' suggestions and makes improvements in infrastructural facilities, motivates teachers to adopt student-centric and ICT-enabled teaching methodologies and provides students with more opportunities to nurture their literary and artistic talents.

### 6.2.7 In what way the affiliating university helped the College to identify the developmental needs of the College?

The affiliating university supports the institution by assisting it to receive funds from UGC and government. As part of processing the application for new courses and extension of applications, expert teams from the university visit the campus and give their recommendations for improvement. Representatives of the university in the statutory bodies of the College also attend meetings regularly and give their suggestions for improvement.

### 6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.

The University of Calicut has an actively functioning College Development Council (CDC) which recommended a good number of faculty members of the College to the UGC for the award of FIP. The CDC was also very supportive when the College went through the screening process for autonomy. Timely affiliation of courses, processing and recommending project proposals.

### 6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized.

St. Joseph's College, Devagiri, is committed to protect the interests of all its stakeholders namely, students, faculty, non-teaching staff, parents, alumni and the local community. Hence it has its own mechanism for obtaining feedback from stakeholders.

- Periodical staff meetings and staff council serve as the forum for obtaining the feedback of the staff.
- Feedback of alumni is formally taken during alumni meets and informally when they visit the campus.
- General and classwise PTA meetings held regularly facilitate interaction with parents and provide the forum for collecting parents' feedback on the performance of the College.

### 6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

The College pursues participatory philosophy in its functioning and encourages academic departments to become more autonomous in

- Designing and developing curriculum

- Arranging seminars, workshops, and invited talks
- Organising orientation and skill enhancement programmes for students
- Planning and executing co-curricular and association activities
- Drawing up academic year planner, preparing department time- tables and allotting work to members
- Initiating innovate practices for the growth of the department

The institution imposes its own checks and balances through statutory bodies, College Council and the IQAC so as to ensure accountability and adherence to the general policies of the College.

### 6.2.11 Does the College conduct performance auditing of its various departments?

An academic audit for the year 2014-2015 was conducted by the IQAC to review the departments' academic planner, adherence to schedules, students' performance, co-curricular activities, publications, students projects etc. The audit report with feedback is given to the Principal and to the respective departments for review and necessary follow-up action.

## 6.3    Faculty Empowerment Strategies

### 6.3.1    What efforts are made by the College to enhance the professional development of teaching and non teaching staff?

The College encourages the teaching staff to attend Orientation Course/ Refresher Course conducted by various universities within and outside the state. The faculty members are also encouraged to pursue research programmes (M.Phil and PhD) by availing Faculty Development Programme of UGC. The College has organised seminars, training sessions and motivational talks with a view to improving and enhancing the professional skills of teachers. Some of the programs are:

- The IQAC organized a workshop on 'e-content development' for the faculty members with the expert support of Nehru College, Coimbatore.
- The IQAC organized a one day staff training programme on 'Philosophy of science'  by Fr. Augustine Pamplani on 19 December, 2014.
- A seminar on 'UGC regulations 2010' was arranged by the IQAC on 28th October 2014, which dealt with Academic Performance Index computation by Dr. K. P. Vinod.

The College took initiatives for the professional development of non-teaching staff by deputing them to participate in staff development programs organized by various institutions. The main highlights are:

- Training on DDFS organized by the University of Calicut was attended by non-teaching faculties.
- 4th state level training program for Non teaching staff organized by Kerala State Higher Education Council which gave emphasis on service rules and office procedures.
- In connection with introduction of campus automation software, the Non-Teaching staff was given hands on training.

### 6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

The IQAC collects duly filled in Self Assessment Proforma with supporting documents from faculty members every year in order to compile the API scores to their credits. This is analysed and the faculty members are advised to concentrate on those criteria where they lag behind.

### 6.3.3 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The various welfare schemes available for teaching and non-teaching staff are operated through Devagiri College Employees Co-operative Society. The society offers the following:

- Loan upto Rs. 5,00,000 repayable over a period of 60 months.
- Emergency loans upto Rs. 40,000 repayable within 45 days.
- Group deposit schemes of Rupees one lakh and of two lakhs.
- Cumulative deposit scheme from which the members can take interest-free loans.
- Employee insurance scheme.
- More than 80% of the permanent employees have availed the benefits of these schemes.
- Devagiri College Housing Tenancy Co-operative Society provides accommodation to 14 teaching /non teaching staff on the campus.

### 6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

The College adheres to government policies and University guidelines on appointment. Vacancies are notified in national dailies to ensure better selection. Candidates with excellent academic and research record are given preference. Many of the newly appointed teachers in science departments have done post doctoral research in overseas institutes.

The management takes all efforts to foster a family feeling on the campus. Six of the departments are research centres where the faculty can pursue their academic ambiance which is helpful in attracting and retaining eminent faculty.

### 6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

As part of compiling institutional data, the IQAC has generated certain gender related statistics on the profile of staff and students. Some of the salient findings of the year 2014- 15 are furnished below.

**Table 6.3**
**Women participation (2014- 15)**

| Variable | % of female students to total |
|---|---|
| Enrolment | 67.5% |
| Student Leadership position | 45% |
| Club/forum membership | 62% |
| Literary and fine arts (B zone, Inter-Zone) participation | 69% |
| Participation in sports and games | 30% |
| UGC- NET/ JRF clearance | 66.7% |
| Ranks/Positions in University examinations | 80% |

During the last four years 46.4 % of the faculty positions in the grant-in-aid stream and 79% in the Self financing stream were filled with women candidates.

### 6.3.6 Does the College conduct gender sensitization programs for its staff?

The College has an active Women's Welfare Council represented by female faculty members which mainly addresses gender related issues of girl-students. The cell organises gender sensitization programmes for girls students to which female faculty members are also invited. During the last four years, the Women's Welfare Council organised invited talks on topics like health and women rights. During 2014-15 a training sessions on "yoga and mind empowerment" was arranged for women by the Physical Education Department.

### 6.3.7 What is the impact of the University's UGC-Academic Staff College Programmes in enhancing competencies of the College faculty?

The parent University's UGC-Academic Staff College conducts Orientation and Refresher courses for the College teachers. Orientation programmes cover topics

such as latest trends in education, student-centric teaching methodologies, curriculum development and ICT-aided teaching.

During the last five years 18 faculty members have attended the orientation and 7 teachers attended the refresher courses conducted by the UGC-ASC of the affiliating university.

## 6.4    Financial Management and Resource Mobilization

### 6.4.1    What is the institutional mechanism to monitor effective and efficient use of financial resources?

The College has a Finance Council, which assesses the financial requirements of the institution and draws up a budget for the year, in consultation with the Principal. The infrastructural and other requirements of each department are discussed and prioritized in the department meetings and the proposals are forwarded to the Finance Committee. Co-ordinators of clubs and forums, Librarian and the director of Physical Education also submit their proposals. The annual budget is prepared considering the availability of funds and the proposals received. The College has a Planning Board which draws up and approves the proposals for GDA, Additional Grant and CPE from the UGC. The allocation of the grants received are also finalised in the Planning Board. The utilization of the Autonomy Grant is monitored by the Finance Council headed by the Principal.

The Heads of the departments and the co-cordinators of clubs and forums are asked to maintain systematic accounts of the expenditures incurred by them, which will then be submitted to the Principal. All the purchases are to be approved by the Purchase Committee and have to be adhered to the procedure.

The Principal is responsible for all financial transactions and the Head Accountant has to maintain the accounts regularly.

### 6.4.2    Does the College have a mechanism for internal and external audit?

The College has a mechanism for internal and external audit. The Finance Committee is entrusted with the task of monitoring all financial transactions of the College which periodically reviews the receipts and disbursements of funds in the College. In addition to the local audit carried out periodically by the office of the Director of Collegiate Education, the accounts of the College are annually audited by a certified chartered accountant. Thankachan & Co. is currently the external auditor of the College.

*6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.*

**Table 6.4**
**Abridged income and expenditure statement**
**ST.JOSEPH'S COLLEGE DEVAGIRI, CALICUT-673008**
**Annual Financial Statement for the year ending on 31-03-2015**

| SL.No | Particulars | Receipts | Expenditure |
|---|---|---|---|
| 1 | Fees | 10579621.00 | 10579621.00 |
| 2 | Special Fees PD A/c | 1584723.00 | 1092940.00 |
| 3 | University Fund | 221100.00 | 221100.00 |
| 4 | Salary | 85302818.00 | 11893661.00 |
| 5 | Others | 7410713.00 | 112144945.00 |
| 6 | Scholarship | 192701.00 | 295375.00 |
| 7 | State Govt. Grant | 1827525.00 | 1827525.00 |
| 8 | NCC/NSS | 244675.00 | 285675.00 |
| 9 | University  Exam Remunaration | 754673.00 | 504655.00 |
| 10 | Projects | 4007871.00 | 2001657.00 |
| 11 | UGC Grant | 16831822.00 | 12845291.00 |
|  |  | 128958242.00 | 129905123.00 |
|  | **Opening Balaance as on 01.04.2014** | 14115129.00 |  |
|  | **Closing Balance as on 31.03.2015** |  | 13168248.00 |
|  |  | **143073371.00** | **143073371.00** |

**Annual Financial Statement for the year ending on 31-03-2014**

| SL.No | Particulars | Receipts | Expenditure |
|---|---|---|---|
| 1 | Fees | 1362019.00 | 1362019.00 |
| 2 | Special Fees PD A/c | 1271516.00 | 927186.00 |
| 3 | University Fund | 181360.00 | 181360.00 |
| 4 | Salary | 97630910.00 | 99306560.00 |
| 5 | Others | 14612539.00 | 9655969.00 |
| 6 | NCC/NSS | 303160.00 | 262160.00 |
| 7 | Scholarship | 843494.00 | 586764.00 |
| 8 | State Govt. Grant | 1109925.00 | 2219850.00 |
| 9 | UGC Grant | 5018211.00 | 9083625.00 |
| 10 | Projects | 7780078.00 | 4239833.00 |
|  |  | 130113212.00 | 127825326.00 |
|  | **Opening Balance as on 01.04.2013** | 11827243.00 |  |
|  | **Closing Balance as on 31.03.2014** |  | 14115129.00 |
|  |  | **141940455.00** | **141940455.00** |

### Annual Financial Statement for the year ending on 31-03-2013

| SL.No | Particulars | Receipts | Expenditure |
|---|---|---|---|
| 1 | Fees | 2961255.00 | 1036255.00 |
| 2 | Special Fees PD A/c | 1230029.00 | 872166.00 |
| 3 | University Fund | 409495.00 | 409495.00 |
| 4 | University Exam Remuneration | | 174840.00 |
| 5 | Salary | 89208746.00 | 89909921.00 |
| 6 | Others | 19121555.00 | 16131712.00 |
| 7 | NCC/NSS | 84264.00 | 84264.00 |
| 8 | Scholarship | 836702.00 | 728854.00 |
| 9 | State Govt. Grant | 446023.00 | 336086.00 |
| 10 | UGC Grant | 7562573.00 | 5304518.00 |
| 11 | Projects | 3455426.00 | 2981657.00 |
| | | 125316068.00 | 117969768.00 |
| | **Opening Balance as on 01.04.2012** | 4480943.00 | |
| | **Closing Balance as on 31.03.2013** | | 11827243.00 |
| | | **129797011.00** | **129797011.00** |

### Annual Financial Statement for the year ending on 31-03-2012

| SL.No | Particulars | Receipts | Expenditure |
|---|---|---|---|
| 1 | Fees | 1068562.00 | 1068562.00 |
| 2 | Special Fees PD A/c | 1153180.00 | 942628.00 |
| 3 | University Fund | 151175.00 | 151175.00 |
| 4 | University Exam Remuneration | 174840.00 | |
| 5 | Salary | 66518767.00 | 66518767.00 |
| 6 | Others | 9838042.00 | 9463642.00 |
| 7 | NCC/NSS | 171012.00 | 171012.00 |
| 8 | Scholarship | 707586.00 | 699801.00 |
| 9 | State Govt. Grant | 1112672.00 | 1155606.00 |
| 10 | UGC Grant | 7484049.00 | 15505063.00 |
| 11 | Projects | 2566746.00 | 3482831.00 |
| | | 90946631.00 | 99159087.00 |
| | **Opening Balance as on 01.04.2012** | 12693399.00 | |
| | **Closing Balance as on 31.03.2013** | | 4480943.00 |
| | Grand Total | **103640030.00** | **103640030.00** |

### 6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

Accounts have been audited on a regular basis. No serious irregularities have been identified or major objection raised so far.

### 6.4.5 Narrate the efforts taken by the College for resource mobilization.

- Grant-in-aid is received in the form of salary for the aided staff is the major source of finance for the College.

- The Planning Committee of the College draws up proposals for assistance and submit them on time to the University Grants Commission. The College has availed the UGC assistance through GDA, Additional Grant and CPE Grant, which are utilised for the purchase of books, equipment and furniture, and for the conduct of seminar/workshops etc.

- The College submits proposals for major and minor projects, and for the conduct of seminars to UGC and other funding agencies.

- Fee collected from students is the major source of revenue for running self-financed courses.

- During 2014-15, the College received Rs. 20,00,000 as Autonomy Grant from the UGC.

- The Management contributes funds whenever required.

### 6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.

The management sets aside a portion of the annual income for the College Development Fund. This fund is meant for meeting any contingency in respect of Capital or revenue expenditures.

## 6.5 Internal Quality Assurance System

### 6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.

An Internal Academic Audit Committee comprising the Principal, the Vice Principal, the IQAC co-ordinator, the Dean of the faculty concerned and two senior faculty members visit every department in accordance with a pre-drawn schedule.

The committee looks into the following aspects in the departments:

- Year planner and the adherence to it
- Student regularity and attendance

- Details of seminars and assignments done by the students
- Research and extension activities of the department
- Seminar/workshop participation of the faculty
- Major and minor projects and student projects
- Publications and papers presentations
- End semester and internal exam results
- Students' feedback on curriculum and facilities

The committee also discusses the strength, weakness, opportunities and challenges identified in respect of the department through the SWOC analysis conducted.

### 6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?

The Academic audit has been an important initiative of the IQAC towards quality enhancement. The findings of the audit committee were used for taking the following measures:

- Increased use of ICT in teaching
- Strengthening the class-tutorial system
- Closer supervision of student projects
- Computerisation of student attendance and its monitoring by the Vice Principal
- Ensuring greater transparency in awarding internal marks
- Recommendations to the Board of Studies for designing curriculum to make it more updated and enriching

### 6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The College Council is the central body that constantly reviews and monitors the academic activities in the institution. The College Council headed by the Principal and comprising the Heads of the departments and two elected faculty representatives reviews the day-to-day academic functioning of the College in its regular meetings. The issues that generally come up for discussion in the Council Meeting are the following:

- Completion of the syllabi adhering to the academic calendar
- Quality in the delivery of courses

- Examination reforms and conduct of examinations
- Evaluation process
- Students' performance in internal and end semester examinations
- Recommendations of the Academic Council and Board of Studies on curriculum
- Feedback of students, alumni and parents collected by the IQAC

The decisions and recommendations of the Council are communicated to all the faculty members. Issues which require further deliberations are discussed in staff meetings.

The intervention of the College Council in the teaching learning process has resulted in:

- Increased use of ICT in teaching- learning process
- Student-centric teaching methodologies
- Visible improvement in student performance
- Meticulous internal evaluation
- Substantial reduction in student grievances in respect of internal assessment

### 6.5.4 How has IQAC contributed to institutionalizing quality-assurance strategies and processes?

The IQAC has been striving to spell out quality-assurance strategies and to institutionalize the same for attaining excellence in all academic and administrative activities. The major areas of IQAC's intervention are

- Preparation of academic year planner for the College and action plans for departments, and teaching plan for individual faculty member.
- Obtaining feedback from different stakeholders and its analysis
- Documenting, all the activities of the institution and analyzing statistical data
- Regular monitoring of projects, publications and research activities
- Taking the lead role in the introduction of Campus Automation Software
- Organizing need based faculty development programmes

The IQAC was actively involved in the submission of application for autonomy and in preparing the institution for the Expert Committee Visit.

### 6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

The IQAC currently has two external members on its committee.

Dr. Saji Gopinath (Dean, IIM Kozhikode)

Fr. Thomas Thekkel (Director, MBA Programme, Christ University, Banglore)

Their suggestions are documented and passed on to the respective bodies. Dr. Saji Gopinath, Professor of Strategy, has given valuable suggestions on defining quality norms and their effective implementation.

Fr.Thomas Thekkel emphasized the need for promoting campus placements and the measures to be adopted for the same.

### 6.5.6 *Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?*

The College has a system of monitoring the academic progress of students with the help of tutorial files. The tutor records all the personal details of every student including their family background in the file. As the student passes through semesters, their performance in internal and end semester examinations are also recorded.

The IQAC, as part of its statistical analysis, compiles the data on the academic growth of students from socially and economically backward sections of the society.

### 6.5.7 *What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?*

The College has adopted a participative management style and provides a good measure of autonomy to its academic departments. The departments as well as clubs and forums are encouraged to plan and implement their programmes. To ensure accountability and to maintain quality, periodic review meetings of academic and administrative bodies are conducted.

- The IQAC meetings are held at least twice a year to review academic performance of students and the infrastructural facilities available. The meetings suggest measures for improvement wherever required.
- Annual reports of departments, clubs and forums are collected by the IQAC for documentation and preparation of AQAR.
- The Board of Studies reviews the syllabus and suggests modifications.
- Research Advisory Committee and Library Advisory Committee review the research activities and the functioning of the College library respectively.
- Annual Academic Audit by the IQAC is a mechanism for the review of the academic performance of the departments.
- The IQAC has a mechanism for obtaining the feedback from different stakeholders on the curriculum and facilities available.

## CRITERION VII: INNOVATION AND BEST PRACTICES

### 7.1 Environment Consciousness

St. Joseph's College, Devagiri, is conscious of and committed to the environmental issues and is proactive in the protection, conservation and sustenance of natural resources. The faculty and students are sensitized towards environmental issues through regular awareness programmes. NSS units and *Bhoomithrasena* are actively involved in maintaining the campus green, clean and plastic free.

### *7.1.1 Does the College conduct a Green Audit of its campus?*

Being eco-conscious, the College is interested in assessing its impact on the environment. Under the initiative of IQAC, *Bhoomitrasena* of the College has conducted a green audit of the campus which includes the following:

- Assessment of the energy consumption with a view to reducing the consumption of non-renewable energy and assessing the possibility of tapping alternative energy sources.
- Assessment of the amount of daily water consumption on the campus and locating damaged pipes and defective taps to arrest water shortage.
- Floristic survey of the campus.

### *7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?*

- **Energy Conservation:**

Energy conservation is treated as a priority area and hence measures are adopted to ensure savings in energy consumption and to sensitize students and staff on the importance of the same. Measures taken to reduce energy consumption include the following:

- Progressively switching over to energy saving models like CFL lamps.
- Unplugging electrical and electronic devices while not in use.
- The kitchen of the women's hostel of the College is equipped with steam cooking facility which reduces the consumption of cooking gas substantially.

- **Use of renewable energy:**

In order to tap sources of renewable energy, the College has installed

- A 10-KV solar power unit which caters to the electricity requirements of the newly constructed academic block.

- One biogas plant in the women's hostel to reduce cooking expenditure and save energy.

- **Water harvesting:**

Two rain water harvest tanks have been constructed to hold rain water from the College building. The NSS units have surveyed the campus and have dug pits at different places to elevate the water table on and around the campus.

- **Carbon neutrality:**

Efforts are made to control carbon dioxide emission level by maintaining the campus clean and green. Entry of students' vehicles into the campus is restricted.

- **Plantation:**

The College preserves a substantial green cover with a wide variety of well maintained trees. The botanical garden which has a rich collection of rare plants has the facility of net house. The botanical garden has a separate section for medicinal plants. The College maintains rubber and coconut plantations on the campus.

- **Hazardous waste management:**

For the safe disposal of toxic and hazardous chemical wastes from the laborataries, the following measures are taken:

- Chemistry department switched over to Micro Analysis in view of reducing chemical consumption
- Chemistry Department installed distillation unit to recycle and reuse 80% of the organic solvents.
- Acid and basic waste are disposed by the departments after neutralisation

- **e-waste management:**

E-waste such as discarded computers, printers and broken laboratory equipment are safely stored in a room allotted for the same. They are periodically disposed off by conducting an auction.

## *7.2 Innovations*

### *7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.*

The College aspires to be bench-marked as an institution for higher learning where quality is both the culture and the target. In its pursuit towards excellence, the College has initiated a number of innovative practices during the last four years. The important among them are listed below

- **Online admission:** the admission to UG and PG programmes has been made online to ensure transparency and efficiency of the process.

- **Student feedback** is regularly taken to ensure that their expectations in respect of curriculum and learning process are fulfilled.
- **Remedial coaching**: Slow learners are identified and are given special attention and remedial coaching.
- **ICT**: Innovative ICT-based training is progressively introduced to make the teaching methodology more students-centric. E-resources like YouTube lectures are increasingly made use of.
- **Campus Automation**: The College is gradually moving towards a paperless campus and introduction of campus automation software is an important move towards it.
- **Renewable energy Sources**: Realizing the need for energy conservation, the College has installed a solar panel which caters to the energy requirements of the new academic block.
- **Research Journals**: with a view to promoting research and publication the institution has launched two research journals one in science and other in social work.
- **Lunch time concert**: It is an innovative practice of the College which provides a regular platform for the campus artists to perform before the staff and students.
- *Satsang* (**spiritual discourse**): The men's hostel has a unique practice called *Satsang*, meaning 'Spiritual Discourse'. The students gather every evening, and one of them talks on a significant value-based topic, and thereafter, a debate on the same follows. This gathering is with the objective of inculcating human values in the student community.
- **Students' Fests**: During the last four years several departments have launched inter-college literary, cultural, science and management events which attract large number of participants from institutions far and near.

**1. Social sensitization through Blood Donation**

**2. Mentoring with Parents**

<div align="center">BEST PRACTICE I</div>

### 7.3.1. Title of the Practice: Social sensitization through Blood Donation

**The Context**

St. Joseph's College, Devagiri, is located hardly a kilometer away from the Govt. Medical College Calicut, the first Medical College in the Malabar region of Kerala. As it is the biggest referral hospital in North Kerala, thousands of patients from far and near visit the Medical College every day. Most of these patients, often brought critically ill, are from the socially and economically weaker sections of the society. A large number of surgeries are performed everyday and most of these patients suffering from cancer and blood-related diseases require blood transfusion. Since these patients are poor and come from far off places, the by-standers often find it difficult to arrange blood. Further, assuring the safety of blood received from family members or friends also is a problem. As the College is adjacent to the Medical College, a large number of them approach this institution for blood. Initially, students had hesitation to donate blood as they had several misconceptions about blood donation. It is in this context that the NSS units of the College volunteered to form a Unit of Blood Donors' Forum in the College. Later, blood donation under the leadership of BDF emerged as one of the best practices on this campus. Currently the Department of Zoology is in charge of the BDF.

**Objectives of the Practice:**

The College considers voluntary blood donation as a very effective social learning process. The College which pursues the motto "Pro Deo et Patria" (For God and Country) aims at grooming our students into accomplished citizens who are morally upright and socially-oriented. The future leaders of social transformation have to inculcate values of empathy and compassion for the poor and sufferers. The college considers voluntary blood donation as an act of altruism which helps the donor mould his social outlook.

**Specific Objectives:**

- To make safe blood available to the needy so that no one may die for want of blood.
- To expose the students to the sufferings of the people and train them to imbibe social values.

- To remove the misconceptions of students and the public about donating blood.
- To prepare the students to be willing for organ donation.
- To build up a network of voluntary donors with the help of clubs/ institutions/ organisations outside the college.
- To motivate students to act as life savers in critical situations.
- To help them imbibe the notion of secularism by providing them chances to donate blood to people irrespective of their caste, creed, religion and language.
- To transform the students into ambassadors of voluntary blood donation.

**The Practice:**

In the Induction Programme organised at the beginning of the academic year, blood donation is introduced to the newly admitted students and their parents as one of the best practices with immense social learning potential. Immediately after the commencement of the classes, the BDF, with the technical support of the PG Department of Zoology, organises a blood grouping camp to identify the blood group, and to prepare a blood directory with the details of the students such as their names, class, blood group and contact numbers. The Forum also organises series of lectures and exhibitions to motivate the students to donate blood.

Patients or by-standers that come with proper prescriptions from the hospitals are directed by the staff or students to the Co-ordinator of the Forum. The co-ordinator verifies the genuineness of the request, and identifies a willing donor with the help of the Forum volunteers. The details of the donors are properly recorded in the register maintained. Students who donate blood are given relaxation of attendance for the day and each donation is considered equivalent to three days' social service, when the number of their CSS (Compulsory Social Service) days is calculated.

Every year on July 14, in connection with the World Blood Donor Day, the College arranges a blood donation camp in which around 100 students bleed and the blood collected is given to the Blood Bank, attached to the Government Medical College.

The College Forum has a chapter in the Tagore Hostel, from where students volunteer to donate blood on holidays and after the regular working hours.

The lists of students who donate blood are exhibited on the Forum's Notice Board and those who donate blood frequently are given a certificate of appreciation by the Forum at the end of their academic programme.

The Forum tries to reach out to other Blood Donor's Forum outside the College by encouraging our students to be members in other forums also so that a network of forums can be built up.

**Evidence of success:**

The functioning of the forum has been very effective. It was successful in removing the fear and misconceptions about donating blood. Thanks to the jealous effort of the Forum, an average of 400 units of blood per year was donated by our students during the last four years. The service of the college in blood donation has been appreciated by the Medical College and other hospitals in the Calicut City. The gesture of gratitude in the eyes of the patients and their relatives is perhaps the greatest appreciation accorded to the donors.

Motivated by the activities of the Forum a movement under the name **ABCD (Any Body Can Donate)** has been launched with the initiative of the Economics Association of the College to propagate the message of organ donation among the students of the College.

**Problems Encountered and resources required:**

The demand for blood is so high that the Forum finds it difficult to meet the requirements completely, especially in case of rare blood group. Certain parents have expressed their apprehensions about the students losing their classes, when sent for blood donation.

The decreasing male-female ratio of students has been another concern. Since girl-students are to be accompanied by another student when sent for blood donation, at least two students miss their classes when volunteering for blood donation.

The Forum requires more financial support to arrange refreshments for the donors and to conduct more awareness programmes outside the college.

**Contact Details:**

| | | |
|---|---|---|
| Name of the Principal | : | Dr. Sibichen M. Thomas |
| Name of the Institution | : | St. Joseph's College (Autonomous) Devagiri |
| City | : | Calicut |
| Pin Code | : | 673008 |
| Accredited Status | : | A (CGPA 3.63) |
| Work Phone | : | 0495 2357383 |
| Fax | : | 0495 2355828 |
| Website | : | www.devagiricollege.org |
| E- mail | : | sjcdevagiri@yahoo.co.in |
| Mobile | : | 09387476646 |

**BEST PRACTICE II**

**7.3.2** *Title of the Practice***:** *Mentoring with Parents*

**The Context:**

Due to the high reputation it enjoys, St. Joseph's College, Devagiri, has been one of the most sought after institutions for higher learning in Kerala. Only the best students manage to get admission to the programmes of the College. But our experience shows that a number of students fail to put in their best in academics. Nor are they able to end up in good careers due to deviations and loss of motivation during the college days. Students who are relatively weak in studies might find it difficult to keep up with the rest of the class. Certain other students with family problems tend to withdraw to themselves and seek consolation in unhealthy relations and drugs. The parents who would closely monitor the academic performance of their children during their school days are often reluctant to continue with the same interest when they are in college. This institution has been trying to address the issue with a well structured and actively practiced tutorial system. Nevertheless, our experience over the years testifies that the tutorial system may fail to produce the desired result without the active intervention of parents. Hence, the College opted for a merger of two proven practices-class-wise PTA meetings and tutorial system-into a new initiative namely, *Mentoring with Parents.*

**Objectives of the Practice:**

The practice was initiated to ensure better involvement of parents in the academic and personal formation of the students. The specific objectives of the practice are the following:

- To ensure a collective effort towards the all-round development of our students
- To provide the tutor concerned the opportunity to know his students better, with their strengths, weaknesses, career aspirations and family background
- To continuously monitor and guide the students' academic  and career progression
- To provide the parents a platform to closely involve in the academic and campus life of the students to track their performances/deviations.

**The Practice:**

*Mentoring with Parents w*as conceptualised and developed into a concrete model for effective parent involvement in the institution's students support initiatives. A group of thirty students in case of UG and fifteen in the case of PG are assigned to a tutor. On the induction day, the tutor meets his/her students along with their

parents and explains to them the institutional practice of '*mentoring with parents'*. The contact details of the tutor are given to the parents and they are asked to keep in touch with him.

Every tutor maintains good relationship with his students and their parents. The tutorial record of each student is maintained in a pre-designed performa wherein his/her personal details including the contact numbers of parents and the performance of the students in terms of attendance, internal and end-semester examinations are properly recorded. Everyday an hour is allotted for the tutorial meetings after the regular class time. According to a pre-designed schedule, the tutor meets his students as a small group and discusses all the difficulties relating to their studies and campus life.

Class-wise PTA meetings are held at least once a semester. The external as well as the internal marks scored by all the students of the class are supplied to each parent so that the parent can have an idea about the relative performance of his/her ward. The details of students' attendance help the parent to monitor student's regularity in classes and can interfere if the student is found to be irregular. Parents are encouraged to comment on the academic and other aspects of the institution. It helps us to make corrections wherever required. These meetings are also used to collect the feedback of the parents about the college. Parents are also briefed on the activities and achievements of the students. Parents who are unable to attend the meeting are asked to meet the tutors concerned at the earliest convenient time.

The tutor may decide to meet any student/parent in person if he/she feels the need for the same. When a student is found to be de-motivated or deviated, the tutor and parent collectively work out corrective measures and extend necessary support to the students. If found necessary, with the consent of the parents, students are directed to the college counselling centre for sessions with professionally qualified councillors. If students are found to be irregular in class, parents will be intimated by the tutors.

The system has been further strengthened with the introduction of campus automation software. The software provides parents and tutors with the facility to track online the attendance and performance of the students in different subjects through the students portal.

**Evidence of Success**

Since the launching of this practice parents show greater interest in the academic affairs of their children**.** Better interaction between parents and teachers

contributes positively towards the performance of the students on the one hand and towards the improvement of teaching-learning process on the other.

The practice has been extremely useful in strengthening the bond among teachers, parents and students. The confidence level of the students gets substantially improved. The instances of dropouts have drastically come down. The results have generally improved. The success of the practice is reflected in the good academic environment on the campus, free from student-unrest, or any instances of misbehaviour. Several tutors have reported instances of guiding their students to premier institutions for higher studies and to lucrative careers. Through the Student Welfare Fund, and with the support of the department alumni, the College has been able to arrange financial support to deserving students.

**Problems Encountered and Resources Required**

Not all students are found to be willing to open up and share their problems with their tutors. Constraint of time and higher student-tutor ratio prevents us from reaping the full benefits of the practice. In spite of a number of scholarships and student-support schemes available, we have not been able to satisfactorily address the issue of financial needs of the weaker students.

Ten to twenty percent of the parents fail to turn up and hence miss the opportunity for the interaction. Since the meetings are convened only after the semester examination, timely interference of the parents in required cases might be lacking. Parents of certain students who require correction might abstain from class-wise PTA meetings due to various reasons.

**Contact Details:**

| | | |
|---|---|---|
| Name of the Principal | : | Dr. Sibichen M. Thomas |
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| **Website** | **:** | www.devagiricollege.org |
| E- mail | : | sjcdevagiri@yahoo.co.in |
| Mobile | : | 09387476646 |

**Evaluative Report of the Department of English**

1. *Name of the Department & its year of establishment* : English,1959

2. *Name of Programmes/Courses offered:* : BA , MA, PhD

3. *Interdisciplinary courses and departments involved* : Nil

4. *Annual/semester/choice based credit system* : BA– Choice Based Credit Semester System (CBCSS)
   MA– Credit and Semester System (CSS)

5. *Participation of the department in the courses offered by other departments* : Open Course –'Film Studies' offered for all UG Aided Courses
   Common Course for all Aided UG programmes

6. *Number of teaching posts sanctioned and filled:*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 5 | 5 |
| Assitant Professors | 6 | 6 |

7. *Faculty profi le with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | Years of Experience | No. of Ph.D. Students guided |
|---|---|---|---|---|---|
| Philip C. M. | MA | Asso. Prof. | Poetry | 27 | - |
| Dr. S. Nagesh | MA., PhD | Asso. Prof. | Fiction | 25 | 4 |
| Dr. Salil Varma | MA., MPhil, PhD | Asso. Prof. | Poetry | 22 | 4 |
| Dr. Wilson Rockey | MA, MPhil PhD | Asso. Prof. | Latin American Fiction | 21 | - |
| Dr. C.V. Abraham | MA, M.Phil, B.Ed, PhD | Asso. Prof. | Gender Studies | 21 | - |
| Dennis Joseph | MA. | Asst. Prof. | Fiction | 19 | - |
| Vemoth Vinitha Nair | MA | Asst. Prof. | Diasporic Fiction | 5 | - |

| | | | | | |
|---|---|---|---|---|---|
| Robin Xavier | MA | Asst. Prof. | Literary Theory & Criticism, Film Studies | 7 | - |
| Remya K. | MA, B.Ed | Asst. Prof. | Post-Colonial Fiction | 7 | - |
| Binoy Varakil | MA, B.Ed. | Asst. Prof. | Language & Linguistics | 7 | - |
| Neethu Baby | MA | Asst. Prof. | Literary Theory & Criticism , Film Studies | 2 | - |

8. *Percentage of classes taken by temporary faculty – programme-wise information*

| UG | PG |
|---|---|
| 14% | 4% |

9. *Programme-wise Student Teacher Ratio*

| UG | PG |
|---|---|
| 12:1 | 4:1 |

10. *Number of academic support staff (technical) and administrative staff: sanctioned and filled :* Nil

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.*

| Funding agency | UGC | |
|---|---|---|
| Type of Project | Major Projects | Minor Projects |
| Number of Faculty | 0 | 1 |
| Grants Received (Rs.) | 0 | 50,000 |

12. *Departmental projects funded by DST-FIST; DBT, ICSSR, total grants received:* Nil

13. *Research facility / centre with*
   - *state recognition :* Nil
   - *national recognition:* Nil
   - *international recognition:* Nil

*14.* **Publications:**

- *Number of papers published in peer reviewed journals:* 7

- *Books with ISBN numbers with details of publishers* : 9

  ➢ Binoy Varakil, *Voice in the Wind* (poems) Lipi Publications, Kozhikode, 2012 , ISBN 81 88015970

  ➢ Binoy Varakil, *Stone Rivers* (Poems), Create Space, Amazon, USA, 2015, ISBN-1512138967

  ➢ Binoy Varakil, *Birds and a Girl* (Poems), Create Space, Amazon, USA, 2015, ISBN-1477406247

  ➢ Binoy Varakil, *A Sparrow, Squirrel and an Old Tree*, Create Space, Amazon, USA, 2015 ISBN-151222331

  ➢ Binoy Varakil, *Here is Light*, Create Space, Amazon, USA, 2015 ISBN-1512312568

  ➢ Binoy Varakil, *The River that Carries Gold*, Create Space, Amazon, USA, 2015 ISBN-1514311097

  ➢ Binoy Varakil, *Mountains, Rivers and Soldiers*, Penguin Random House,USA,2015,ISBN-1514131935

  ➢ Dennis Joseph, Trans. *Istambul*. By Orhan Pamuk, DC Books, 2011, ISBN 9788126416097

  ➢ Dennis Joseph, Trans. *Midnights Children*. By Salman Rushdie, DC Books, 2014, ISBN 9788126418978

*14.* **Details of patents and income generated:** Nil

*15.* **Areas of consultancy and income generated:** Translation

*16.* **Faculty Recharging strategies:** Refresher courses, Orientation Courses, soft-skill development programmes.

*17.* **Student projects**

| *In-house projects including inter-departmental* | 100% |
|---|---|
| *Projects in collaboration with industries / institutes* | 0 % |

*18.* **Awards / recognitions received at the national and international level by Students:**

- Keerthana Sasi–UN Award for essay writing, Cherussery Award, Kadathanad Madhavikutty Amma award.

- Arya Suresh-CCRT National Scholarship holder in Mohiniyattam.

*19.* **Seminars/ Conferences/Workshops organized and the source of funding with details of outstanding participants, if any.**

National seminar on the topic "*New Cultural Studies: A Critical Investigation*" was conducted on 13&14 Oct 2014 with the expertise of the

following Resource persons.

- Mr. MV Narayanan, Prof and Head, Department of English, University of Calicut.
- Dr. N.P. Ashley, Asst. Prof., Dept of English, St. Stephen's College, Delhi.
- Dr. Siby James, Asso. Prof., St. Thomas College, Pala.
- Dr. M N Parasuraman, Asst. Prof., Dept of English, Govt. Women's college, Trivandrum.

## 20. *Student profile course-wise:*

| Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|
| Name of the Course | | BA | MA | BA | MA | BA | MA | BA | MA |
| Applications Received | | 1724 | CAP | 1765 | CAP | CAP | 178 | 6049 | 145 |
| Selected | Male | 17 | 2 | 7 | 3 | 10 | 4 | 11 | 19 |
| | Female | 25 | 18 | 32 | 18 | 30 | 16 | 29 | 21 |

**Figure 8.1**



| | BA | MA | BA | MA | BA | MA | BA | MA |
|---|---|---|---|---|---|---|---|---|
| | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
| Male | 83.3 | 66.7 | 90.9 | 100 | 100 | 100 | 100 | * |
| Female | 100 | 100 | 100 | 94 | 100 | 100 | 100 | * |
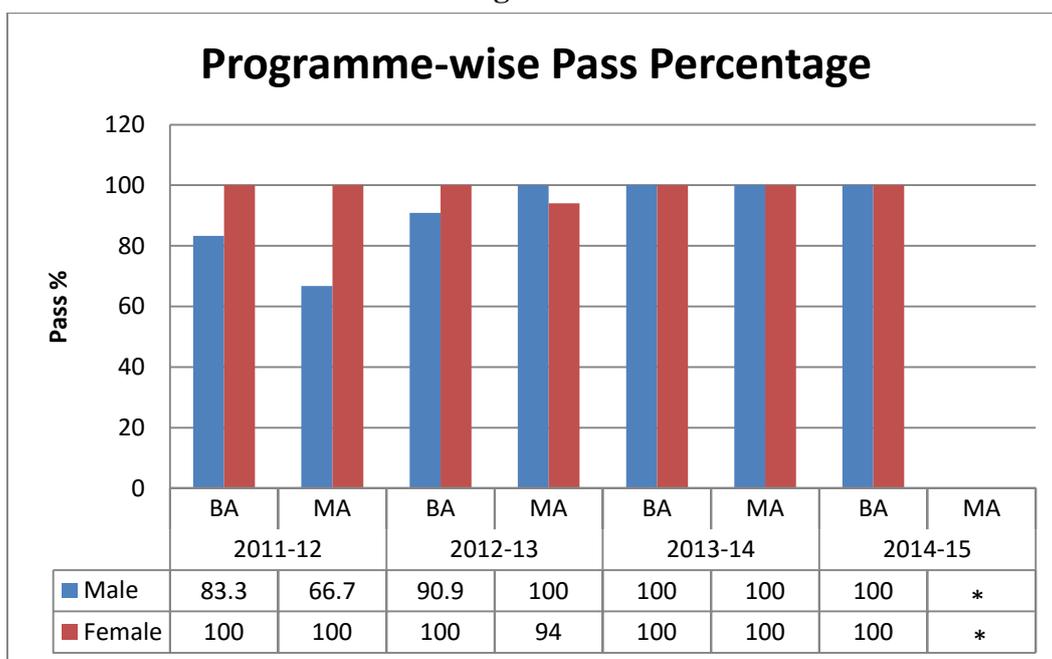
*2014-15 MA Results Awaited

## 22. *Diversity of Students*

| Name of the Course | % of students from the college | % of Students from the state | % of students from other States |
|---|---|---|---|
| UG | NA | 98.3 | 1.7 |
| PG | 24.5 | 98 | 2 |

192

23. *How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations?*

| Name of competitive examination | No of students |
|---|---|
| NET | 31 |
| Civil services | - |
| Defence Services | 1 |

24. *Student progression*

| Student progression | Against % enrolled |
|---|---|
| UG to PG | 80 |
| PG to M.Phil. | 5 |
| PG to Ph.D. | 7 |
| Ph.D. to Post-Doctoral | Nil |
| Employed<br>• Campus selection<br>• Other than campus recruitment | 1<br>30 |
| Entrepreneurs | 2 |

25. *Diversity of staff*

*Percentage of the faculty who are graduates*

| *from the same University* | 91% |
|---|---|
| *from other Universities within the state* | 9% |
| *from other universities from other States* | 0% |

26. *Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. :* One

27. *Present details about infrastructural facilities*
    a) *Library* : 357 books
    b) *Internet facilities for staff and students* : Yes
    c) *Total number of class rooms* : 4 class rooms
    d) *Class rooms with ICT facility* : 1 classroom
    e) *Students' laboratories* : Language Lab
    f) *Research laboratories* : One

28. *Number of students of the department getting financial assistance from College:* 4 (from Student Welfare Fund)

29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.* NA

30. *Does the department obtain feedback from*

    a. *faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*

    Yes, relevant changes are made on the basis of the feedback obtained. Regular staff meetings are held to review teaching-learning.

    b. *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*

    Yes, evaluation is done regularly on prescribed form. Individual teachers ask review of teaching from students. Feedback is taken into consideration in evolving future plans. Relevant changes are made.

    c. *alumni and employers on the programmes and what is the response of the department to the same?*

    Yes, feedback is taken on informal bases which help to make relevant changesn in the curriculam. Career development lectures are arranged by prominent and competent professionals for UG and PG students to give them better career orientation.

31. *List the distinguished alumni of the department*

| Name of the Alumni | | Desigantion |
|---|---|---|
| Prof. Vishnu Narayanan Namboodiri | : | Poet, Critic, retired from Kerala University |
| Mr. P. Kamalkutty IAS | : | Former State Election Commissioner, Kerala |
| Dr. R. Viswanathan | : | Poet, Critic, Professor retired from Calicut University |
| Mr. Desmond Netto IPS | : | IG Kerala Police |
| Mr. A.R. Infant IPS | : | Retired DGP, Karnataka Police) |
| Mr. Sathis Namboodiripad | : | Additional Director General, Prasar Bharathi, New Delhi, Former Press Secretary to Indian President |
| Mr. E.V. Ramakrishnan | : | Indo-Anglican Poet and Critic |
| Dr. Jacob Kuruvilla | : | Professor, Australian National University (ANU) |
| Dr. Gerald Netto | : | Asso. Prof. of English, Southern Denmark University, Denmark |
| Mr. Frank P. Thomas | : | Retd. GM, Federal Bank |

32. ***Give details of student enrichment programmes with external experts.***
Invited talks by the following experts were arranged:
- Mr. Moncy Mathew
- M.V. Narayanan, Prof. and Head, Department of English, University of Calicut.
- Prof. Balakrhsnan Nair
- Dr. N.P. Ashley, Asst. Prof., Dept of English, St. Stephen's College, Delhi.
- Dr. Siby James, Asso. Prof., St. Thomas College, Pala.
- Dr. B. Hariharan
- Dr. M. N. Parasuraman, Asst. Prof., Dept of English, Govt. Women's College, Trivandrum

33. ***List the teaching methods adopted by the faculty for different programmes.***
All the courses predominantly follow lecture method. ICT enabled methods like audio visual display, expert lectures, power point presentations are made. Audio Visual lab is provided.

34. ***How does the department ensure that programme objectives are constantly met and learning outcomes monitored?***
Internal tests, seminars, assignments, viva-voce, presentations, questions-answers sessions are conducted in the class. We respond to their needs by introducing them to higher level of knowledge through internet, quality books and experts in the subject. Students are also encouraged to organize quizzes and workshops. Students are encouraged to participate in extra and co-curricular activities and teachers act as facilitators to enhance their individual talents.

35. ***Highlight the participation of students and faculty in extension activities:***
Nil

36. ***Give details of "beyond syllabus scholarly activities" of the department.***
A print/video library of classics is maintained. Classics are screened for students of the College and other nearby institutions. Students are encouraged to present papers and publish books. The students conduct a literary fest annually named *Yuga* which familiarises the public with the latest trends in literature, art and culture.

37. **State whether the programme/ department is accredited/ graded by other agencies. Give details.** Nil

38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

| STRENGTH | WEAKNESSES |
|---|---|
| • Qualified and experienced faculty<br>• Students with very high percentage of marks are admitted<br>• Excellent results in NET/JRF examinations<br>• Research Department with PhD guides and PhD candidates.<br>• The results and ranks at the Post Graduate level are the best in the university. | • Delay in the conduct of examination (Non-autonomous batch) at the university level<br>• Less Career orientation |
| OPPORTUNITIES | CHALLENGES |
| • New vistas are open to students<br>• Research opportunities for the students are high<br>• Flexibility to incorporate recent developments in the discipline to syllabus | • To implement an English language learner friendly atmosphere where socio-political conditions pose a threat.<br>• Delay in the publishing of results at the university level<br>• To meet the growing needs of new employment opportunities the syllabus should break the traditions and earlier methods of classroom learning. |

39. **Future plans of the department.**
   - To provide add-on courses and new certificate courses for aspiring advanced learners,
   - To improve research facilities with more research guides
   - To organize more international seminars
   - To takeup more major, minor research projects

**Evaluative Report of the Department of Economics**

| | | | |
|---|---|---|---|
| 1. | *Name of the Department & its year of establishment* | : | Economics, 1956 |
| 2. | *Names of Programmes/Courses offered* | : | BA, MA |
| 3. | *Interdisciplinary courses and departments involved* | : | Nil |
| 4. | *Annual/ semester/choice based credit system* | : | BA – Choice Based Credit Semester System (CBCSS)<br>MA – Credit Semester System (CSS) |
| 5. | *Participation of the department in the courses offered by other departments* | : | Open Course – 'International Trade & Finance' offerded for all other aided UG programmes. |

6. *Number of teaching posts sanctioned and filled*

| | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 3 | 3 |
| Asst. Professors | 3 | 3 |
| Total Posts | 6 | 6 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | Years of Experience |
|---|---|---|---|---|
| Dr. Sanathanan Velluva | MA, M.Phil, PhD | Asso. Prof. | Rural Economics | 20 |
| Dr. Shiby M. Thomas | MA, Ph.D | Asso. Prof. | Migration and Development | 20 |
| Thomachan K.T. | MA, M.Phil, B.Ed | Asso. Prof. | Time Series Analysis | 20 |
| Fr. Anto N.J. | MA | Asst. Prof. | | 4 |
| Fr. Biju Joseph | MA | Asst. Prof. | | 6 |
| Asha Mathew | MA, M.Phil, B.Ed | Asst. Prof. | Fishery Economics | 6 |

8. *Percentage of classes taken by temporary faculty – programme-wise information*: Nil

9. *Programme-wise Student Teacher Ratio*

| BA | MA |
|------|------|
| 26:1 | 8:1 |

10. *Number of academic support staff (technical) and administrative staff:* Nil

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.*

| Funding agency | UGC | |
|----------------|------|------|
| Type of Project | Major Projects | Minor Projects |
| Number of faculty | 0 | 3 |
| Grants Received (Rs.) | 0 | 4,75,000 |

12. *Departmental projects funded by DST-FIST; DBT, ICSSR, total grants received:* Nil

13. *Research facility / centre with*
    - *state recognition    :* Nil
    - *national recognition  :* Nil
    - *international recognition  :* Nil

14. *Publications:*
    - *Number of papers published in peer reviewed:* 4
    - *Impact factor – range / average :* 0 to 2.243

15. *Details of patents and income generated :* Nil

16. *Areas of consultancy and income generated:*

    Mr. Thomachan K.T provides guidance to the research scholars in computation using statistical tools like SPSS, EViews and GRETEL and several other econometric tools. It is done as a service and hence no income is generated.

17. *Faculty recharging strategies:*
    - Deputing the faculty members to attend orientation programmes and refresher courses,
    - Encouraging faculty to attend professional development programs,
    - Assigning different responsibilities to teachers.

18. *Student projects*

| In-house projects including inter-departmental | **100%** |
|------------------------------------------------|----------|
| Projects in collaboration with industries / institutes | **0 %** |

*19. Awards / recognitions received at the national and international level by*
  - *Faculty :* Nil
  - *Doctoral / post doctoral fellows :* Nil
  - *Students :* Nil

*20. Seminars/ Conferences/Workshops organized and the source of funding with details of outstanding participants, if any.*

| Title of seminar | Date | Funding Agency |
|---|---|---|
| National workshop on the Role of Econometric Analysis in Research & Development | 18 & 19 August, 2011 | UGC |
| National workshop on Time Series Analysis for Teaching & Research | 1 - 4 December, 2014 | UGC |

*21. Student profile course-wise:*

| Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|
| Name of the Course | | BA | MA | BA | MA | BA | MA | BA | MA |
| Applications Received | | 2212 | CAP | 2234 | CAP | CAP | 217 | 7392 | 185 |
| Selected | Male | 26 | 4 | 22 | 5 | 20 | 4 | 24 | 5 |
| | Female | 31 | 17 | 38 | 16 | 39 | 16 | 35 | 15 |

**Figure 8.2**



**Programme-wise Pass Percentage**

| | BA 2011-12 | MA 2011-12 | BA 2012-13 | MA 2012-13 | BA 2013-14 | MA 2013-14 | BA 2014-15 | MA 2014-15 |
|---|---|---|---|---|---|---|---|---|
| Male | 65 | 100 | 87.5 | 100 | 86.6 | 100 | 94.1 | * |
| Female | 92 | 100 | 78.5 | 94 | 92.3 | 100 | 90.6 | * |
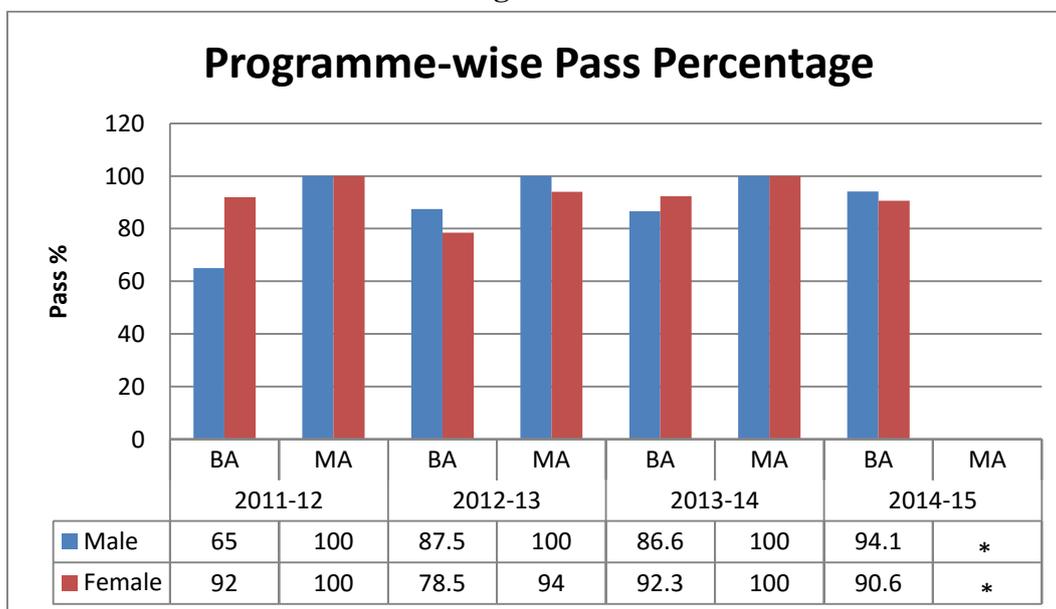
* MA (2014-15) Result Awaited

## 22. Diversity of Students

| Name of the Course | % of students from the college | % of students from the state | % of students from other States | % of students from other countries |
|---|---|---|---|---|
| BA | NA | 99.16 | 0.45 | 0.39 |
| MA | 44.25 | 100 | Nil | Nil |

## 23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

| Academic year | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|
| NET | 14 | 6 | 1 | 1 |
| Civil Services | - | - | - | - |
| Defense Services | - | - | - | - |

## 24. Student progression

| Student progression | Against % enrolled |
|---|---|
| UG to PG | 51.9 % |
| PG to M.Phil. | 3.03 % |
| PG to Ph.D. | 3.33 % |
| Ph.D. to Post-Doctoral | Nil |
| Employed<br>• Campus selection<br>• Other than campus recruitment | 7.18 %<br>8.67 % |

## 25. Diversity of staff

Percentage of faculty who are graduates

| From the same University | 83.3 % |
|---|---|
| From other Universities within the state | 16.7 % |
| From other universities from other States | 0% |

## 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

27. *Present details about infrastructural facilities*
    a) *Library*                                    : 456 books
    b) *Internet facilities for staff and students*  : 6 computers with internet facility & 1 laptop
    c) *Total number of class rooms*                 : 4 class rooms
    d) *Class rooms with ICT facility*               : 3 classrooms
    e) *Students' laboratories*                      : Nil
    f) *Research laboratories*                       : NA

28. *Number of students of the department getting financial assistance from College.* : 2 students (from Students Welfare Fund)

29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology :* NA

30. *Does the department obtain feedback from*
    a. *faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*
       Yes,
       ➢ The recommendations and suggestions of the faculty are used as input in framing the syllabus by the Board of Studies.
       ➢ Feedback from the faculty on teaching and learning is duly considered while planning new teaching methods, in sharing different subject papers, arranging additional classes etc.
    b. *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*
       Yes,
       ➢ Department analyses the strong as well the weak aspects.
       ➢ Sharing of papers is rearranged in such a way that the students may utilize the teacher's proficiency in different papers.
    c. *alumni and employers on the programmes and what is the response of the department to the same?*
       Yes,
       ➢ Their suggestions are always considered with due importance and the department always tries to modify the teaching methods & tools and also arrange additional programmes and activities based on their recommendations.

*31.*   *List the distinguished alumni of the department*

|  Name of Alumni | | Designation |
| --- | --- | --- |
| John A. Thomas | : | Indian Accounts and Audit Service (IA&AS) |
| Adv. M. Veerankutty | : | Chairman, State Minority Commission. |
| U.C. Raman | : | Former MLA |
| Mathai Chacko | : | Former MLA |
| Olympian Irfan K. T. | : | London Olympics, 2012 |
| Dr. M. Parameshvaran | : | Faculty, CDS, Trivandrum |
| Fr. Joseph Vayalil | : | Former Principal, SJC Devagiri, Provincial, CMI Calicut Province |
| Prof. K.D. Joseph | : | Former Principal, Government College Kodenchery |
| Rahul R. | : | Asst Prof., Govt. Arts & Science College |
| Padmaja M. | : | Research Fellow, IIT Madras |

*32.*   *Give details of student enrichment programmes with external experts.*

| Event | Resource Person | Date(s) |
| --- | --- | --- |
| Training in Microsoft office package | Mr. Reji Abraham, Computer Training Centre,  M.G. University, Calicut Centre | 3/1/2012 to 5/1/2012 |
| Training in Microsoft office package | Mr. Reji Abraham, Computer Training Centre,  M.G. University, Calicut Centre | 12/1/2012 to 13/1/2012 |
| Training in Basics in Computer Application | Mr. Belby P.J., Voxx Technologies, Calicut | 17/1/2012 to 25/1/2012 |
| Training in Personality Development | Mr. Hemapalen P, Manager, FCI | 21/1/2012 , 28/1/2012 |
| Training in Microsoft office package | Mr. Reji Abraham, Computer Training Centre, MG University, Calicut Centre | 1/2/2012 to 3/2/2012 |
| Training in Personality Development | Mr. Hemapalen P., Manager, FCI | 4/2/2012 |

| | | |
|---|---|---|
| Training in Communicative English – A package | Dr. Bejoy Mathew, IELTS Trainer, English Virus, Ernakulam & Calicut | 6/2/2012 to 9/2/2012 |
| Career Orientation Programme | Mr. K.H. Jareesh, Career Counsellor & HR Trainer, CIGI, Calicut | 18/2/2012 |
| Training in Microsoft office package | Mr. Reji Abraham, Computer Training Centre, MG University, Calicut Centre | 21/2/2012 to 27/2/2012 |
| Career Orientation Programme | Mr. K.H. Jareesh, Career Counsellor & HR Trainer, CIGI, Calicut | 25/2/2012 |
| Communicative English – A package | Dr. Bejoy Mathew, IELTS Trainer, English Virus, Ernakulam & Calicut | 5/3/2012 to 9/3/2012 |
| Career Orientation | Mr. K.H. Jareesh, Career Counsellor & HR Trainer, CIGI, Calicut | 10/3/2012 |
| Seminar on Scientific Research Paper Writing | Prof. Radhakrishnan N, Associate Professor, Dept of Economics, Guruvayoorappan College, Calicut | 3/3/2013 |
| Workshop on Research Methodology | Dr. M.Sarangadharan, Director, SNES IMSAR, Formerly Professor & Head, Department of Commerce, University of Kerala | 4/3/2013 |
| Zero Hour'14 – Quiz Competition | Mr.Viswas M., Best Quizzer Award winner | 12/3/2014 |
| National Workshop on Time Series Analysis for Teaching & Research | Dr. K.P.Mani, Professor, Dept of Economics, University of Calicut, Dr.Vijayamohan Pillai N.,Professor, Centre for Development Studies, Thiruvananthapuram, Dr.T.Sampathkumar, Asso. Prof., Govt. Arts College, Coimbatore, Dr. Shyjan D, Asst. Prof, Dept of Economics, University of Calicut | 1/12/2014 to 4/12/2014 |
| Workshop on Research Methodology | Prof. Radhakrishnan N, Asso.Prof., Dept of Economics, Guruvayoorappan College, Calicut | 12/3/2015 |

33. *List the teaching methods adopted by the faculty for different programmes.*
    - ICT enabled Teaching
    - Conducting Quiz competitions in the class especially on the papers like Indian Economy
    - Group discussions

34. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*
    - The Department ensures that the whole syllabus is well discussed in the class.
    - Assignments and seminars assigned to the students are well monitored and evaluated.
    - The marks scored in internal as well as the external examinations are a major indicator

35. *Highlight the participation of students and faculty in extension activities.*
    - Organise different programmes at Asha Kiran, the school for differently abled.
    - Visit and supply provisions and dress to the residents of A*akaashaparava*, the home of destitute.

36. *Give details of "beyond syllabus scholarly activities" of the department.*
    - Publications
    - Paper presentations
    - Minor projects
    - Workshops and classes arranged outside and inside the campus
    - Attending seminars

37. *State whether the programme/ department is accredited/ graded by other agencies. Give details.* Nil

*38.* *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| Strengths | Opportunities |
|---|---|
| 1. Qualified teachers<br>2. Talented students<br>3. Consistsntly good results with university ranks/ positions.<br>4. Impressive performance in NET/ JRF examination | 1. Make the department a research center<br>2. Publication in national and international journals<br>3. Extension classes for institutions |
| **Weaknesses** | **Challenges** |
| 1. Not yet a research center<br>2. Lack of collaboration with reputed institutions<br>3. Lack of international seminars | 1. Need initiation for campus placement<br>2. Delay in the publishing of results at the university level<br>3. Lack of career orientation |

*39.* *Future plans of the department.*

- To emerge as a Research Center
- All the faculty members of the Department acquire PhD Qualification
- To sign MOU with leading industries
- To organize one international seminar in every two years

## Evaluative Report of the Department of Mathematics

| | | | |
|---|---|---|---|
| *1.* | *Name of the Department & its year of establishment* | : | Mathematics, 1956 |
| *2.* | *Names of Programmes /Courses offered:* | : | B.Sc., M.Sc., PhD |
| *3.* | *Interdisciplinary courses and departments involved* | : | Nil |
| *4.* | *Annual/ semester/choice based credit system* | : | B.Sc. – Choice Based Credit Semester System (CBCSS) M.Sc – Credit Semester System (CSS) |
| *5.* | *Participation of the department in the courses offered by other departments* | : | Open Course - Statistics Complementary Course offered to B.Sc. Physics and Chemistry |

*6.     Number of teaching posts sanctioned and filled :*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professor | 4 | 4 |
| Assistant Professors | 5 | 5 |

*7.     Faculty profile*

| Name | Qualification | Designation | Specialization | No. of Years of Experience | Students guided |
|---|---|---|---|---|---|
| Dr.Baby Chacko | M.Phil, PhD | Asso. Prof. | Topology | 26 | 3 Nos |
| Dr.Saji Mathew | PhD | Asso. Prof. | Functional Analysis | 22 | - |
| Dr.Muraleed haran T.K. | PhD | Asso. Prof. | Harmonic Analysis | 20 | - |
| Jaison Joseph | M. Sc | Asso. Prof. | - | 19 | - |
| Shinoj K.M. | M. Phil | Asst. Prof. | - | 7 | - |
| Dr.Anjaly Jose | PhD | Asst. Prof. | Fuzzy Topology | 7 | - |
| Sangeetha M.V. | M.Sc | Asst. Prof. | - | 3 | - |
| Jinu B. George | M.Phil | Asst. Prof. | - | 6 months | - |
| Joby K. Jose | M.Phil, PhD | Asst. Prof. | Stochastic Process | 15 | - |

8. *Percentage of classes taken by temporary faculty – programme-wise information:* Nil

9. *Programme-wise Student Teacher Ratio*

| B. Sc. | M.Sc. |
|--------|-------|
| 32:1 | 8:1 |

10. *Number of academic support staff and administrative staff:* Nil

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received.*

| Funding agency | UGC | |
|---|---|---|
| Type of project | Major Projects | Minor Projects |
| Number of faculty | 1 | 2 |
| Grants Received Rs. | 9,35,800 | 3,73,000 |

12. *Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :* Nil

13. *Research facility/Centre with*
   - *state recognition -* Nil
   - *national recognition –* Nil
   - *international recognition -* Nil

14. *Publications:*
   - *Number of papers published in peer reviewed journals (national /international) by faculty and students* : 21
   - *Books with ISBN numbers with details of publishers :* Nil

15. *Details of patents and income generated* : Nil

16. *Areas of consultancy and income generated* : Nil

17. *Faculty recharging strategies:*
   Encourages faculty to attend orientation course, refresher course, workshops, seminars and conferences.

18. *Student projects:*

| In-house projects including inter-departmental | 100% |
|---|---|
| Projects in collaboration with industries / institutes | 0 % |

19. *Awards / recognitions received at the national and international level:* Nil

20. *Seminars/ Conferences/Workshops organized and the source of funding with details of outstanding participants, if any. -* Nil

21. *Student profile course-wise:*

| Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|
| Name of the Course | | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
| Applications Received | | 1670 | CAP | 1713 | CAP | CAP | 122 | 4035 | 101 |
| Selected | Male | 12 | Nil | 11 | Nil | 20 | 2 | 19 | 2 |
| | Female | 32 | 20 | 39 | 20 | 30 | 19 | 32 | 18 |

**Figure: 8.3**
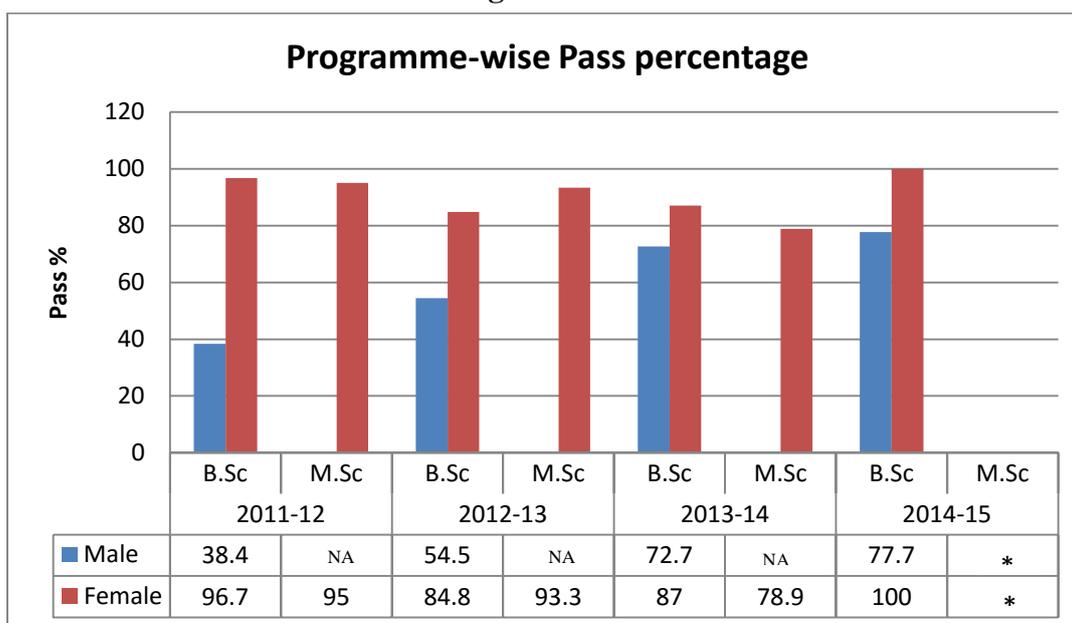


| | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
|---|---|---|---|---|---|---|---|---|
| | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
| Male | 38.4 | NA | 54.5 | NA | 72.7 | NA | 77.7 | * |
| Female | 96.7 | 95 | 84.8 | 93.3 | 87 | 78.9 | 100 | * |

\* M.Sc (2014-15) Result Awaited

22. *Diversity of Students*

| Name of the Course | % of students from the college | % of students from the same state | % of students from other States | % of students from |
|---|---|---|---|---|
| B.Sc. | NA | 99.6% | 0.4% | - |
| M.Sc. | - | 99% | 1% | - |

*23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?*

| Academic  year | 2011-12 | 2012-'13 | 2013-'14 | 2014-'15 |
|---|---|---|---|---|
| NET | 4 | - | 1 | 3 |
| GATE | - | 1 | - | - |

*24. Student progression*

| Student progression Against % enrolled | Percentage against enrolled |
|---|---|
| UG to PG | 54% |
| PG to M.Phil. | 5% |
| PG to Ph.D. | 2% |
| Ph.D. to Post-Doctoral | Nil |
| Employed<br><br>• Campus selection<br><br>• Other than campus recruitment | <br><br>11%<br>24% |

*25. Diversity of staff.*

*Percentage of the faculty who are graduates*

| From the same University | 56% |
|---|---|
| From other Universities within the state | 44% |
| From other universities from other States | 0% |

*26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period -* One

*27. Present details about infrastructural facilities*

   *a) Library* : Available

   *b) Internet facilities for staff and students* : 6 computers for students and 2 computers for faculty with internet facility.

   *c) Total number of class rooms* : 4 class rooms and 1 research room

   *d) Class rooms with ICT facility* : 3 class rooms

   *e) Students' laboratories* : A computer lab with 6 computers and two printers

   *f) Research laboratories* : Nil

28. *Number of students of the department getting financial assistance from College :* 5 students  (from Students Welfare Fund)
29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:* NA
30. *Does the department obtain feedback from*
    a. *faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*

    Yes, the feedback of faculty are discussed in department meetings and considered for curriculum revision. Innovative practices like introducing YouTube lectures to students are practiced. Questions from previous NET/JRF, GATE examinations are included in the question papers for internal examinations.

    b. *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*

    Yes, feedback from students was taken in the proforma issued by the IQAC. The responses were analysed in the department meeting and more problem solving sessions were arranged on topics of difficulty.

    c. *Alumni and employers on the programmes and what is the response of the department to the same?*

    Yes, feedback on institutional facilities and teaching methodologies were collected from students who completed their course. In response to the feedback, more ICT facilities were arranged in the Classrooms.

31. *List the distinguished alumni of the department*

| Name | | Designation |
|---|---|---|
| Dr. V. Krishna Kumar | : | Professor, NISER, Bhuvanesvar |
| Dr. Sudheesh Kattumannil | : | Indian Statistical Institute, Chennai |
| Dr. Deepesh K.P. | : | Asst. Prof., IIT- Palakkad |
| Dr. Sr. Germina | : | Head and Asso. Prof., Mary Matha College, Mananthavadi |
| Dr. M.J. Mathai | : | Asso. Prof., MES Mampad College |
| Dr. Sunil Mathew | : | Asso. Prof. NIT Calicut |
| Dr. Lineesh M. C. | : | Asso. Prof. NIT, Calicut |
| Dr. Sudheer K. | : | Asso. Prof. Farook College |
| Dr. Shameem M. K. | : | Asst. Prof., Tirur Govt. College |
| Mr. Nishad K. K. | : | Well known Playback singer |

32. ***Give details of student enrichment programmes with external experts.***
   - **Exhibition:** In Connection with the inauguration of Mathematics Association, an exhibition was organised by the department.
   - **Quiz Competition:** An Intercollegiate Quiz competition was organised for B.Sc. students in connection with Mathematics Association Inauguration.
   - **Seminar Presentation:** Seminars were taken by
   * Prof. Thangavelu, Indian Statistical Institute, Bangalore
   * Prof. Narayanan, Indian Institute of Science, Bangalore
   * Dr. Sajith G,  SS college Areecode
   * Dr. Sudheer K, Farook College, Calicut
   * Mr. Albert Antony T, PMGC College, Chalakkudy
   * Mr. Anoop V.P ( Research Fellow, NISER, Bhuvaneswar)
   - **Special Lectures**
   * Workshop for B.Sc. students on Free Softwares, on 23 February, 2011.
   * Workshop for B.Sc. students on Python Programming on 5 November, 2011.
   * Two day workshop for First Year B.Sc. Mathematics students on Fundamentals of Mathematics on 23 - 24 September 2012.
   - **Induction Programme**
   * Induction programme for 1$^{st}$ semester M.Sc students in September 2013.
   * Mathematical Olympiad Induction Programme for Plus Two Students of all schools in Kozhikode city on 10  October 2013

33. ***List the teaching methods adopted by the faculty for different programmes.***
   1. **ICT enabled teaching**
      In one UG class and in both PG classes ICT enabled teaching is adopted.
   2. **Online tutorials**
      Online tutorial sessions of professors of various universities and colleges (within the country and abroad) are given for PG students after class hours.
   3. **Conducting viva-voce**
      Viva-voce is conducted for both UG and PG students regularly which helps them to understand the basic concepts with greater clarity and improves their confidence level.
   4. **Giving printed study materials**
      Printed study materials of certain topics and problems are given to students and problem solving sessions are conducted.

5. **Encouraging bright students to refer advanced level textbooks**

   Advanced level textbooks are given to bright students. It enables them to go deep into the subject and enriches their problem solving capacity.

34. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*

   Through the continuous evaluation system, the department ensures that the students acquire the expected competence in the subject. Remedial classes are arranged for slow learners.

35. *Highlight the participation of students and faculty in extension activities.*

   **Participation of students in extracurricular activities:**

   - In 2012, Joseph Joy of I B.Sc. Mathematics got second prize in the examination conducted in the 10 day undergraduate training programme held at Centre for Mathematical Sciences, Palai, Kerala.
   - Reneesh Jacob and Jose Mathew of II B.Sc. Mathematics won second prize in All Kerala Inter collegiate Statistical Quiz competition held at Cochin University on 04-02-2013.
   - Reneesh Jacob of III B.Sc. Mathematics and Joseph Joy of II B.Sc. Mathematics won II prize in All Kerala Inter collegiate Mathematics Quiz competition held at Providence Women's College Calicut on 05-02-2014.
   - Rosmin Joseph and Manudarsan of I B.Sc. Mathematics won second prize in All Kerala Inter collegiate Mathematics Quiz competition held at St. Joseph's College Devagiri, Calicut on 06-02-2014.

   **Extension activity:**

   - An Alumni Learning Corner: The department provides facility for former students to prepare for UGC-CSIR examinations and to discuss with the teachers.

36. *Give details of "beyond syllabus scholarly activities" of the department.*

   - Department has a practice of arranging invited talks by former students who are well placed.
   - Dept. of Mathematics conducted a two day workshop on Algebra and Analysis for post-graduate students on September 27-28, 2013. All faculties of the department monitored the programme. Mr. Anoop V.P., research scholar from NISER, was the chief resource person.
   - Prof. Thangavelu (Indian Statistical Institute), has taken a seminar for PG students.

37.  *State whether the programme/department is accredited/ graded by other agencies. Give details*. Nil

38.  *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| STRENGTH | WEAKNESSES |
|---|---|
| <ul><li>Good library facility</li><li>Research center with two research guides</li><li>Well qualified teachers</li><li>Strong Alumni</li><li>Good performance of students in University exams and NET/JRF exams.</li><li>Publications in reputed international/ national journals</li></ul> | <ul><li>Slow learners struggle hard to get through the programme.</li><li>Time constraint in covering the syllabus</li></ul> |
| OPPORTUNITIES | CHALLENGES |
| <ul><li>Autonomous status provide the opportunity to frame the syllabi</li><li>Possibility of starting M.Phil/ Integrated PG course in future.</li><li>Collaboration with Major institutes in the region</li></ul> | <ul><li>Lack of well-defined career paths</li><li>Lack of motivation of students</li></ul> |

39.  *Future plans of the department.*

- **Collaborations**

  Collaborating with research institutions like Kerala School of Mathematics, which is nearby, make students familiar with fundamental and advanced areas of Mathematics.

- **Research guides**

  Increase the number of research guides in the department so that student intake for research can be enhanced.

- **Training for students**

  Give opportunity for students to take classes in the near-by schools so that it would create interest in them for teaching.

- **UGC coaching**

  To strengthen UGC coaching and coaching for other competitive exams like JAM, GATE, NBHM etc.

- **Initiate research activity**

  Faculties especially those who are not PhD holders will start research activities.

- **Projects**

  To increase the number of minor and major research projects in the department.

- **Seminars and Workshops**

  To organize workshops and seminars sponsored by UGC.

**Evaluative Report of the Department of Physics**

1. *Name of the Department & its year of establishment* : Physics, 1956

2. *Names of Programmes/Courses offered* : B.Sc., M.Sc.

3. *Interdisciplinary courses and departments involved* : Nil

4. *Annual/ semester/choice based credit system* : B.Sc. – Choice Based Credit Semester System (CBCSS)

   M.Sc. – Credit Semester system(CSS)

5. *Participation of the department in the courses offered by other departments* : *Open course* – Non-conventional Energy Sources

   *Complementary course* offered to B.Sc. Mathematics and Chemistry

6. *Number of teaching posts sanctioned and filled :*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 6 | 6 |
| Assistant  Professors | 4 | 3 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | No. of Years of Experience |
|---|---|---|---|---|
| M.S. Mathew | M.Sc, M.Phil | Associate Professor | | 30 |
| S.I. Issac | M Sc, M.Phil, B Ed, | Associate Professor | Optical Instrumentation | 30 |
| Dr.K.V. Chacko | M.Sc, M.Phil Ph.D | Associate Professor | Electronics | 28 |

| Dr. Benny Joseph | M Sc, PhD | Associate Professor | Material Science | 27 |
|---|---|---|---|---|
| Charly Kattakayam | M.Sc, M.Phil | Associate Professor | Material Science | 25 |
| Dr. R Sreekumar | M Sc, PhD | Associate Professor | Experimental Solid state Physics | 19 |
| Dr. Meril Mathew | M.Sc, PhD | Assistant Professor | Photovoltaics, Plasmonics | 4 |
| Albert Thomas | M Sc | Assistant Professor | Electronics | 4 |
| Aparna N | M Sc | Assistant Professor | General | 4 |

8. *Percentage of classes taken by temporary faculty – programme-wise information :*

| B.Sc. | M.Sc. |
|---|---|
| 10% | 10% |

9. *Programme-wise Student Teacher Ratio*

| B.Sc. | M.Sc. |
|---|---|
| 32:1 | 6:1 |

10. *Number of academic support staff (technical) and administrative staff: sanctioned and filled :*

| Number of technical staff | Sanctioned | Filled |
|---|---|---|
| Technical | 3 | 3 |

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention, names of funding agencies and grants received project-wise.*

| Funding agency | UGC | |
|---|---|---|
| Type of project | Major Projects | Minor Projects |
| Number of faculty | 0 | 4 |
| Grants Received Rs. | 0 | 17,45,000 |

12. *Departmental projects funded by DST-FIST; DBT, ICSSR; total grants received :* Nil

13. *Research facility / centre with*
    - *state recognition :* Nil
    - *national recognition  :* Nil
    - *international recognition :* Nil

14. *Publications:*

| *Number of papers published in peer reviewed journals (national /international) by faculty and students* | 3 |
|---|---|
| *Citation Index – range / average* | 0 - 6 |
| *Impact factor – range / average* | 0.3371 - 2.278 |

15. *Details of patents and income generated  :* Nil

16. *Areas of consultancy and income generated :* Nil

17. *Faculty Recharging strategies:* Periodic department meetings, Refersher courses, orientation programmes, workshops/ seminars attended by faculty.

18. *Student projects*

| In-house projects including inter-departmental | UG – 100%, PG - 50% |
|---|---|
| Projects in collaboration with industries/institutes | UG – Nil, PG - 50 % |

19. *Awards / recognitions received at the national and international level by*
    - *Faculty :* Nil
    - *Doctoral / post doctoral fellows :* Nil
    - *Students :* Nil

20. *Seminars/ Conferences/Workshops organized and the source of funding (national/International) with details of outstanding participants, if any.*

| Seminars/Conferences/Workshops | National/ International | source of funding |
|---|---|---|
| Recent trends in Climate and the Impact of Climate Change on South West India | National On 11-10-2011 | UGC |

Important Participants
1. Prof. P.V. Joseph, Former Director, IMD
2. Dr. M.R. Ramesh Kumar, Chief Scientist, NIO, Goa
3. Dr. Hareesh Kumar, Senior Scientist, NPOL, Kochi

## 21. Student profile course-wise:

| Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of the Course | | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
| Applications Received | | 1724 | CAP | 1765 | 178 | CAP | 145 | 6049 | 150 |
| Selected | Male | 17 | 0 | 17 | 2 | 23 | 3 | 17 | 2 |
| | Female | 26 | 12 | 30 | 10 | 25 | 8 | 31 | 10 |

**Figure 8.4**
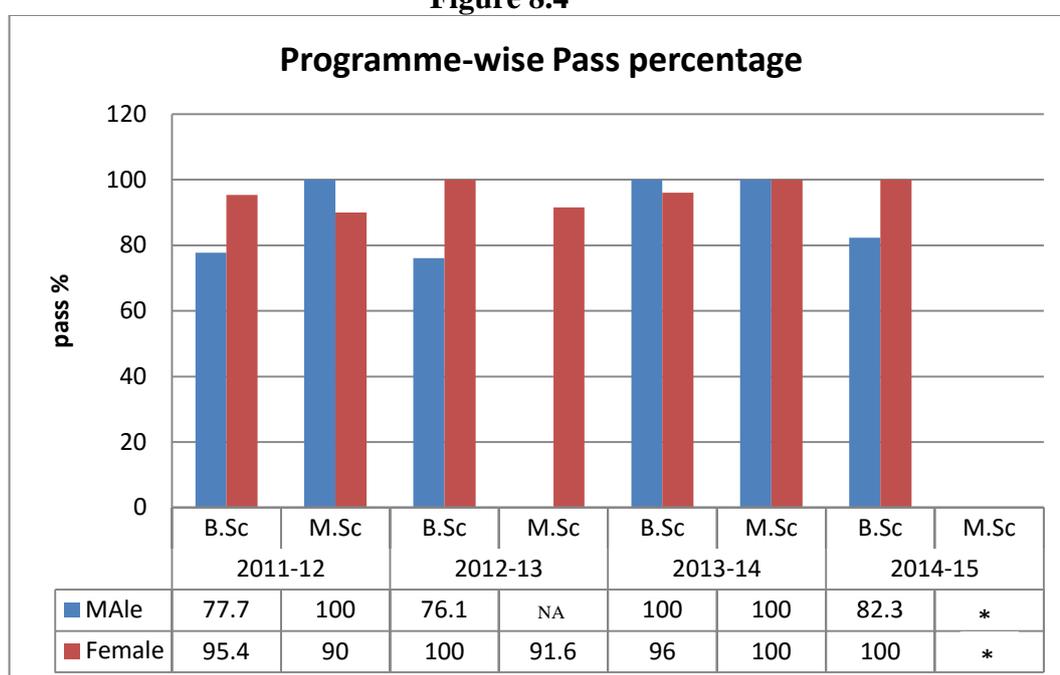


**Programme-wise Pass percentage**

| | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
|---|---|---|---|---|---|---|---|---|
| | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
| MAle | 77.7 | 100 | 76.1 | NA | 100 | 100 | 82.3 | * |
| Female | 95.4 | 90 | 100 | 91.6 | 96 | 100 | 100 | * |

* M.Sc. (2014-15) Result Awaited

## 22. Diversity of Students

| Name of the Course | % of students from the college | % of students from the state | % of students from other States | % of Students from other Countries |
|---|---|---|---|---|
| UG | NA | 99% | 1% | Nil |
| PG | 40% | 60% | Nil | Nil |

**23.** ***How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?***

| NET | 1 |
|-----|---|
| GATE | - |
| Civil services | - |
| Defense Services | 2 |

**24.** ***Student progression***

| *Student Progression* | *Against % enrolled* |
|-----------------------|---------------------|
| *UG to PG* | 53.75 |
| *PG to M.Phil.* | Nil |
| *PG to Ph.D.* | Nil |
| *Ph.D. to Post-Doctoral* | Nil |
| *• Campus selection*<br>*• Other than campus recruitment* | 2%<br>11% |
| *Entrepreneurship/Self-employment* | 2.5 % |

**25.** ***Diversity of staff Percentage of faculty who are*** graduates

| of the same university | 25% |
|------------------------|-----|
| from other  universities within the state | 62% |
| from other  universities  outside the State | 13% |

**26.** ***Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.***  : One

**27.** ***Present details about infrastructural facilities***

Library                                            :        More than 185 Books

Internet facilities for staff and students  :        Yes,   3 Units

Total number of class rooms              :        3

Class rooms with ICT facility             :        3

Students' laboratories                      :        UG and PG laboratories

Research laboratories                       :         Materials research laboratory

28. *Number of students of the department getting financial assistance from College.* : 4 Students (Students Welfare Fund)

29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.* – No new Programme

30. *Does the department obtain feedback from*

- *Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*

  Yes,

  - the suggestions are incorporated in the syllabus
  - making rearrangements in the allocation of papers among the faculty
  - new teaching methods initiated

- *Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*

  Yes,

  Activates such as remedial classes, tutorials, special classes, motivational talks, academic seminars, science fest

- *Alumni and employers on the programmes and what is the response of the department to the same?*

  Yes, Department started NET-JRF coaching in response to the suggestion of the alumni.

31. *List the distinguished alumni of the department*

| | | |
|---|---|---|
| Dr. Arun K | : | Asst. Prof., Chennai Mathematical Institute. |
| Dr. Sujin Babu | : | Asst. Prof., IIT-Delhi |
| Dr. Jinto Thomas | : | Senior Scientist, Institute of Plasma research, Gandhinagar, Ahmadabad |
| Dr. B. P. Ajithkumar | : | Scientist, Nuclear Science Centre, New Delhi. |
| Dr. Abdul Gafoor | : | Asso. Prof., Govt. Arts and Science College, Calicut |
| Prof. Kuttusa, | : | Rtd. Principal, MES College, Mampad. |
| Prof. T. Ravindran | : | Rtd. Principal, Govt. Polytechnic, Kannur. |

Dr. A. P. Haridasan     :   Rdt. Principal, Ayurveda College, Kottakkal.

Mr. Chandrashekaran     :   Rdt. Deputy Chief Engineer, KSEB

Mr. M. Murali,     :   Rtd. District Forest Officer, Calicut

32. *Give details of student enrichment programmes (special lectures/ workshops / seminar) with external experts.*

| Title of lecture/seminar /workshop | External Experts | Date |
|---|---|---|
| How to build Personality | Mr. Bharat Das, HR Trainer, Manjeri | 16-07-2011 |
| Physics-The gate way to life | Dr. B.R.S. Babu, Head, Dept of Physics, University of Calicut | 14-12-11 |
| Physics fest-Brahmam | Dr. Jose Mathew , Student Dean, University of Calicut | 6-2-2012 to 10-02-2012 |
| Origin of the Universe | Dr. K Papootty , Former President Kerala Sastra Sahitya Parishad | 9-2-2012 |
| Physics Fest- Brahmam 2012 inauguration and talk on Self Formation and pattern Dynamics | Prof. George Varghese, Head, Department of Physics, University of Calicut | 21-09-2012 |
| Evolution of Binary Stars | Prof. C.D. Ravikumar, University of Calicut | 21-09-2012 |
| Nano Science and Technology | Dr. Sindhu R , Dept. of Nano Science, University of Calicut | 21-09-2012 |
| A Gate way to Quantum Mechanics | Prof. V Vijayakumar , Govt. Victoria College , Palakkad | 22-09-2012 |
| Research Prospects in Physics | Dr. Reji Philip, Associate Professor, RRI Bangalore | 22-09-2012 |
| Analysis of Astronomical Data | Dr. Jayant Ganguly, Technical Asst., Regional Science Centre, Calicut | 22-09-2012 |
| Civil Service Examinations | Ms. Aswathy, IAS | 18-07-2013 |
| Physics Science Fest Brahmam 2013 Inauguration | Dr. M. Abdul Salam, Hon.Vice Chancellor, University of Calicut | 21-08-2013 |
| Remote control and flight land techniques | Ajay E, Aerodrome officer, HAL International Airport, Banglore | 22-08-2013 |
| How to motivate students on Physics Experiments | Dr. Anathakrishnan, Visiting faculty, International School of Photonics, CUSAT, Cochin | 23-08-2013 |

| | | |
|---|---|---|
| Climatic Changes | Prof. P.V. Joseph, Former Director, IMD | 23-08-2013 |
| Physics Through Problems | Prof. Suresh Babu. Head, Dept.of Physics Govt. College Madappally | 9-1-2014 |
| Welcome call to Astronomy and Astro Physics | Dr. Jayant Ganguly, Technical Assistant, Regional Science Centre, Calicut | 10-01-2014 |
| Physics Research Projects | Dr. Satheesh Chandran, Dept. of Physics, Nehru College, Kanhangad, Kasargod Dr. Rajasekaran P.K., Head, Dept. of Physics, Malabar Christian College, Calicut | 6-05-2014 |
| The World of Galaxies | Dr. Ravikumar C.D., Asso. Prof., Dept. of Physics, Calicut University | 27-08-2014 |
| Uncertainty in the evolution of universe and bio centric approach | Dr. N. E. Rajeev, Asso. Prof., Dept of Physics, Z.G College, Calicut | 29-08-2014 |
| Workshop on Physics Principles Through Experiments | Dr. T.R. Ananthakrishnan, Visiting faculty, CUSAT, Cochin | 6-01-2015 |
| Gravitational Lensing and Micro Lensing | Dr. K Papootty , Former President Kerala Sastra Sahitya Parishad | 22-01-2015 |

33. *List the teaching methods adopted by the faculty for different programmes.*
   - Use of LCD Projectors
   - Demonstration using Charts and Models
   - Regular Assignments and Test Papers

34. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*
   - By continuous assessment through assignments, test papers
   - Weekly tutorials
   - Student-Parent-Teacher meetings

35. *Highlight the participation of students and faculty in extension activities.*
   *Other programmes:*
   - Visit to *Ashakiran*, Devagiri, a school for differently abled children and interaction and celebration of special days with them.

- Visit to Mental Health Hospital, Calicut and interaction with the inmates, service programme, cleaning, etc at the centre.
- Constribution to SSVP Charitable society
- Offering talks at various institutions

36. *Give details of "beyond syllabus scholarly activities" of the department.*
   - Regular weekly test paper for the core students
   - Special coaching classes to the degree students by expert professors to prepare them for exams like IIT, JAM etc
   - Frequent motivation classes to the students by eminent personalities
   - Study tour

37. *State whether the programme/ department is accredited/ graded by other agencies. Give details :* No

38. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| Strengths | Weaknesses |
|---|---|
| <ul><li>Best students, qualified teachers good lab facilities</li><li>Accessibility of teachers</li><li>Student-centeredness and discipline</li></ul> | <ul><li>Understaffing</li><li>Inadequate capital funds to support all needs of department</li><li>Tight schedules of semester system</li></ul> |
| Opportunities | Challenges |
| <ul><li>Increasing the interest of students in Research field</li><li>To develop research centre, continuing education for intellectual enrichment</li><li>Opportunity to build remarkable experience for students using the best practices</li></ul> | <ul><li>Poor economic background of students forces them for early job procurement</li><li>lack of confidance of students to takeup well-defined career paths in physics</li><li>lack of motivation of students</li><li>Dwindling technical manpower</li></ul> |

39. *Future plans of the department.*
   - Research Centre with active research programmes
   - Realization of improved undergraduate, post graduate programs intermixing traditional physics with research-based pedagogy.
   - Conversion of all traditional introductory physics laboratories to activity-based learning studios in the next 1-3 years.
   - Improving placement in Physics related fields
   - Signing MoU with national and international institutions.
   - Organize international seminars periodically.

**Evaluative Report of the Departments of Chemistry**

1. *Name of the Department & its year of establishment* : Chemistry, 1956

2. *Names of Programmes/Courses offered* : B.Sc., M.Sc., Ph.D.

3. *Interdisciplinary courses and departments involved* : Nil

4. *Annual/ semester/choice based credit system* : B. Sc.– Choice Based Credit Semester System
   M.Sc.– Credit Semester System (CSS)

5. *Participation of the department in the courses offered by other departments* : Complementary course offered to Departments of Botany, Zoology and Physics
   Open Course-'Chemistry in Everyday Life' offered to all aided UG programmes

6. *Number of teaching posts sanctioned and filled*

| Teaching post | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 3 | 3 |
| Asst. Professors | 7 | 7 |

7. *Faculty profile with name, qualification, designation, specialization*

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided |
|---|---|---|---|---|---|
| Dr. Babu I. Maliakkal | M.Sc, PhD | Associate Professor | Physical Chemistry | 30 | - |
| Dr. Jose John Mallikasseri | M.Sc., PhD. | Associate Professor | Theoretical Chemistry | 28 | - |
| Dr. Joy Joseph | M.Sc., M.Phil, PhD | Associate Professor | Inorganic Chemistry | 28 | - |

| Dr. Tania Francis | M.Sc., PhD. | Assistant Professor | Inorganic and Analytical Chemistry | 4 | 1 |
|---|---|---|---|---|---|
| Dr. Renjis T. Tom | M.Sc., PhD. | Assistant Professor | Organic Chemistry | 4 | - |
| Dr. Manoj Mathews | M.Sc., PhD. | Assistant Professor | Organic Chemistry | 4 | 1 |
| Dr. Ranimol Stephen | M.Sc., PhD. | Assistant Professor | Polymer Chemistry | 4 | 1 |
| Dr Shinu V.S. | M.Sc., M.Phil, | Assistant Professor | Organic Chemistry | 3 | - |
| Dr. Saumya Varghese | M.Sc., PhD. | Assistant Professor | Electrochemistry | 3 | - |
| Dr. Aneesh P. | M.Sc., PhD. | Assistant Professor | Polymer Chemistry | 6 months | - |

8. *Percentage of classes taken by temporary faculty – programme-wise information* :NA

9. *Programme-wise Student Teacher Ratio*

| B. Sc. | M. Sc. |
|---|---|
| 32:1 | 6:1 |

10. *Number of academic support staff (technical) and administrative staff: sanctioned and filled :*

| No. of Non-teaching Staff | Sanctioned | Filled |
|---|---|---|
| Technical | 3 | 3 |

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.*

| Funding agency | UGC | | DST |
|---|---|---|---|
| Type of project | Major Projects | Minor Projects | SERB |
| Number of faculty | 1 | 0 | 2 |
| Grants Received | 8,03, 000 | 0 | 40,88,000 |

## 12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

| No of projects | Funding agency | Total grants received (Rs.) |
|---|---|---|
| 2 | DST-SERC, KSCSTE | 27,52,000 |

## 13. Research facility / centre with

- *National recognition  :* Yes, DST FIST Sanctioned
- *International recognition:* Nil

## 14. Publications:

| | |
|---|---|
| *Number of papers published in peer reviewed journals (national /international) by faculty and students* | 40 |
| *Monographs* | Nil |
| *Chapter(s) in Books* | 3 |
| *Editing Books* | 2 |
| *Books with ISBN numbers with details of publishers* | Nil |
| *Number listed in International Database* | Nil |
| *Citation Index – range* | 1 to 29 |
| *Impact factor – range* | 0.4 to  6.63 |
| *h-index* | Nil |

## 15. Details of patents and income generated

| Co-Inventor | Title of patent | Type and Patent Number |
|---|---|---|
| Dr. Manoj Mathews | Optically Responsive Chiral Compound. | International JP2010030997 |
| Dr. Ranimol Stephen | Segmented polyarylene ether-block copolymers | International US 8,524,853 B2, |
| Dr. Saumya Varghese |  Metal oxide modified and unmodified molecularly imprinted conducting polymer film based aqueous aminoacid sensor. | International US20130306485 |
| Dr. Saumya Varghese | Nano structured silver oxide film based aqueous voltammetric pesticide sensor and the process of preparing said sensor. | International WIPO Pub. No. WO2013/114404 A1 |

16. *Areas of consultancy and income generated :*
   - Lyophiliser (Freeze drier procured under DST-FAST Track Project for Young Scientist, Dr. Tania Francis) utilized by B.Tech. and M.Tech. Project fellows from NITC; this facility is offered free of charge and hence no income is generated.

17. *Faculty recharging strategies :* Encouraging faculty to attend faculty development programmes

18. *Student projects*

| In-house projects including inter-departmental | 90% |
|---|---|
| Projects in collaboration with industries / institutes | 10 % |

19. *Awards / recognitions received at the national and international level by Faculty , Doctoral / post doctoral fellows, Students*

| Name of faculty/student | Awards / Recognitions |
|---|---|
| Dr. Tania Francis, Assistant Professor | Second Best Paper Presentation award in the national seminar on Challenges in Nanoscience and Technology (CNT 2011) |
| Dr. Tania Francis, Assistant Professor | First prize - Best Poster Presentation award in the national seminar on Challenges in Nanoscience and Technology (CNT 2011) |
| Ms. Swapna V.P, Research Scholar Supervising teacher: Dr. Ranimol Stephen | IIIrd Prize in Poster presentation in the Third International Conference on Polymer Processing And Characterization (ICPPC-2014), |

20. *Seminars/ Conferences/Workshops organized and the source of funding (national/International) with details of outstanding participants,:* Nil

21. *Student profile course-wise:*

| Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|
| Name of the Course | | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
| Applications Received | | 1812 | CAP | 1927 | CAP | CAP | 176 | 5633 | 166 |
| Selected | Male | 16 | 2 | 9 | 0 | 8 | 4 | 14 | 2 |
| | Female | 30 | 10 | 37 | 12 | 38 | 8 | 34 | 11 |

**Figure 8.5**
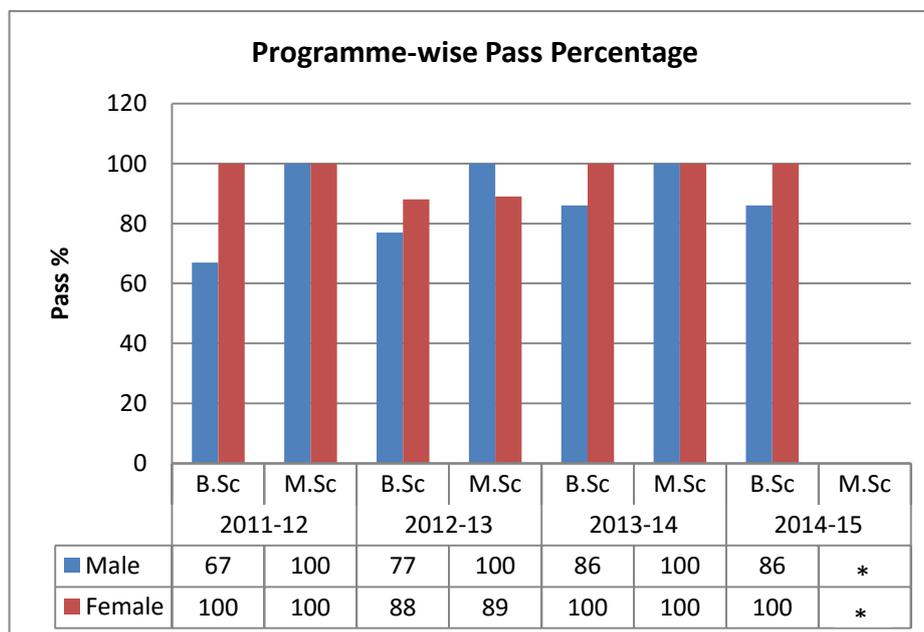


| | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
|---|---|---|---|---|---|---|---|---|
| | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
| Male | 67 | 100 | 77 | 100 | 86 | 100 | 86 | * |
| Female | 100 | 100 | 88 | 89 | 100 | 100 | 100 | * |

*M.Sc (2014-15) Result Awaited

22. *Diversity of Students*

| Name of the Course | % of students from the college | % of students from the same state | % of students from other States | % of students from abroad |
|---|---|---|---|---|
| B.Sc. Chemistry | NA | 95 | 5 | - |
| M.Sc. Chemistry | - | 98 | 2 | - |

23. *How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?*

| Competitive Examination | Number of students |
|---|---|
| NET | 1 |
| UGC-JRF | 2 |
| CSIR-JRF | 1 |
| Civil services | - |
| Defense Services | 2 |
| INSPIRE | 6 |

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*24. Student progression*

| Student progression | Against % enrolled |
|---|---|
| UG to PG | 50.5 |
| PG to M.Phil | - |
| PG to Ph.D. | 10 |
| Ph.D. to Post-Doctoral | - |
| **Employed**<br>• Campus selection<br>• Other than campus recruitment | 1<br>34 |
| Entrepreneurship/Self-employment | 1 |

*25. Diversity of staff Percentage of faculty who are graduates*

| *of the same parent university* | 33 |
|---|---|
| *from other universities within the State* | 55 |
| *from other universities from other States* | 12 |

*26. No. of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:* 1

*27. Present details about infrastructural facilities*

a) *Library* : 63 reference books prescribed in syllabus and for extra reading.

b) *Internet facilities for staff and students* : Wi-Fi Internet facility Available in Department Staff Room and Broad band internet service for students;

c) *Total number of class rooms* : 3 class rooms

d) *Class rooms with ICT facility* : 3 classrooms

e) *Students' laboratories* : 1 UG and 1 PG

f) *Research laboratories* : 1 Research lab and 1 Instrumentation laboratory

*28. Number of students of the department getting financial assistance from College*

Student welfare Fund : 2 students every year

Alumni Support : 2 students (1 UG, 1 PG)

29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.*

NA

30. *Does the department obtain feedback from*

a) *Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*

Yes,

- To improve the teaching learning process
- To incorporate in the framing of curriculum
- To conduct seminars and workshops for faculty development.
- To provide faculty with adequate research facilities and teaching aids

b) *Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*

Yes.

- Feedback forms are collected batch-wise as well as teacher-wise
- The suggestions incorporated into the next years teaching plan.
- Arranged remedial classes

c) *Alumni and employers on the programmes and what is the response of the department to the same?*

Yes.

- Improving the alumni's role in departmental activities.
- Encourage prominent alumni to interact with the students

31. *List the distinguished alumni of the department*

| | | |
|---|---|---|
| Dr. Sajith P. K. | : | Research Associate, Kyushu University, Fukuoka, Japan |
| Dr. Sajna K. V. | : | Research Associate, National Institute of Material Science, Tsukuba, Japan |
| Dr. Shafeek K. M | : | Research Associate, JNCASR Banglore |
| Dr. Sajith Kurian | : | Asst. Prof., Mar Ivanios College Trivandrum |
| Dr. Vivek Padmanabhan | : | Research Scientist, University of Liverpool |
| Dr. Roby Kurian | : | Asst. Prof., St. Cloud State University, USA |
| Dr. Anil Kumar Parambath | : | Research Scientist, University of British Columbia, Canada |
| Dr. Remith George | : | Asst. Prof., Central University, Silchar, Assam |
| Dr. Jomon Mathew | : | Asst. Prof., St. Joseph's College, Devagiri, Calicut |

32. *Give details of student enrichment programmes with external experts. Organization of periodic lectures for the UG and PG students, by eminent scientists in the field of Chemistry*

| Name of Experts | Designation | Time of visit |
|---|---|---|
| Dr. G. Unnikrishnan, | Prof., Dept. Of Chemistry, NITC | 18 October, 2011 |
| Mr. Joseph Chacko | Scientific Officer, RRII, Kottayam | 9 February, 2012 |
| Dr. Soney Varghese | Asst. Prof., Centre for Nanoscience and Technology, NITC | 28 January, 2013 |
| Dr. Suneesh C.V. | Asst. Prof., Kerala University | 8 February, 2013 |
| Dr. Pradeepan Periyat | Asst. Prof., University of Calicut | 8 February, 2013 |
| Dr. N. Sandhyarani | Asso. Prof., Centre for Nano-science and Technology, NITC | 23 January 2014 |
| Prof. Mormann Werner | Prof., Emeritus, University of Siegen, Germany | 5 December, 2014 |
| Dr. A. R. Ramesh Chemistry and Life | Asst. Prof., Govt. Engg. College, West Hill, Calicut | 12 February, 2015 |
| Prof. Thomas Mathew | Loker Hydrocarbon Research Institute, University of S. California | 25 July, 2015 |

33. *List the teaching methods adopted by the faculty for different programmes.*
   - Using ICT based teaching
   - Project work in recent areas of scientific development like nanotechnology
   - Instrumentation facilities like FTIR, sonicator, rotavapour and lyophiliser used for carrying out project work

34. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*
   - Monthly department meetings to monitor the smooth conduct of classes as per the teaching plan
   - Internal exams, assignments, seminars, viva voce and results analysed
   - Course evaluation is obtained from outgoing students

## 35. *Highlight the participation of students and faculty in extension activities.*

- Industrial visit
- Faculty delivered expert lectures in various academic institutions
- Inter-departmental Quiz competition conducted
- Thanmatra-2013 organised with JAM competition and Treasure Hunt for the College students
- Semester-wise PTA meetings
- Nagjees Book Bank for students of UG courses

## 36. *Give details of "beyond syllabus scholarly activities" of the department.*

- Major projects funded by DST-SERB
- Seminar presentations outside the syllabus
- Attending National/International Seminars by PG students
- Conducting inter-departmental quiz competitions by students
- Carrying out PG projects in collaboration with industries of national reputation.

## 37. *State whether the programme/ department is accredited/ graded by other agencies. Give details. :* Nil

## 38. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| | |
|---|---|
| Strengths | <ul><li>All faculty with doctoral degrees</li><li>Blend of teaching as well as Research experience</li><li>Faculty with Post Doctoral experience</li><li>Active involvement of Faculty in the administration of the College</li><li>PG and Research Department with student friendly policies</li></ul> |
| Weaknesses | <ul><li>Improvement needed in society-based extension activities</li><li>Need to conduct National and International Seminars/Workshops</li><li>Lack of focus on competitive examination based teaching–learning needs focus</li></ul> |

| | |
|---|---|
| Opportunities | ▪ The nearness to National Institutes and the University of Calicut for future Collaborative work<br>▪ Revising the curriculum for UG and PG courses and starting new M.Phil. Course.<br>▪ Autonomous status make it possible for the College to complete admission to UG and PG courses on time and this would help the College to attract meritorious students.<br>▪ Funding agencies offer help to start and enhance research facilities which have been availed of by the Department Faculty from UGC, DST, CSIR and KSCSTE. |
| Challenges | ▪ Revenue generation through consultancy to ensure sustainability<br>▪ Collaborations with other National and International universities of repute<br>▪ Need – based syllabus revision to meet the requirements of National level competitive exams and National Institutes like IIT, IISc etc.<br>▪ In the absence of large chemical industries in the locality, it is difficult to initiate industrial collaborative work |

39. *Future plans of the department*

- Applying for Major/Minor Research Projects to State level and National funding agencies
- Conducting National level Seminars (Proposal submitted to UGC -1)
- Registering more students for PhD programme (Registered Research Scholars -2)
- 100% qualification in CSIR-JRF-NET Examination
- Coaching for Competitive exams
- Starting M.Phil. Course

**Evaluative Report of the Department of Botany**

1. *Name of the Department & its year of establishment* : Botany, 1959

2. *Names of Programmes/Courses offered:* : B.Sc., M.Sc., Ph.D.

3. *Interdisciplinary courses and departments involved* : Nil

4. *Annual/ semester/choice based credit system* : B.Sc. – Choice Based Credit Semester System (CBCSS)
   M.Sc. – Credit Semester system (CSS)

5. *Participation of the department in the courses offered by other departments* : Open Course - Applied Botany
   Complementary Course offered to B.Sc Zoology

6. *Number of teaching posts sanctioned and filled :*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 5 | 5 |
| Asst. Professors | 4 | 3 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Years of Experience | No. of Ph.D. Students guided |
|---|---|---|---|---|
| Dr. Abis V. Cherussery | M.Sc. M.Phil, PhD | Associate Professor | 32 | - |
| Dr. Jose Mary Das | M.Sc. M.Phil, PhD | Associate Professor | 28 | |
| Dr. Sibichen M. Thomas | M.Sc. M.Phil, PhD | Associate Professor& Principal | 28 | 1 |
| Dr. Jojo Joseph | M.Sc. M.Phil, PhD | Associate Professor | 18 | - |
| Dr. P. S. George | M.Sc. M.Phil, PhD | Associate Professor | 18 | - |
| Dr. Satheesh George | M.Sc., PhD | Assistant Professor | 3 | 3 |

| Dr. Delse P. Sebastian | M.Sc., PhD | Assistant Professor | 4 | 1 |
|---|---|---|---|---|
| Manudev M. | M.Sc. | Assistant Professor | 5 months | _ |

8. *Percentage of classes taken by temporary faculty – programme-wise information:*

| B.Sc | M.Sc |
|---|---|
| 13% | 13% |

9. *Programme-wise Student Teacher Ratio*

| B.Sc | M.Sc |
|---|---|
| 23:1 | 6:1 |

10. *Number of academic support staff (technical) and administrative staff: sanctioned and filled :*

| Number of technical staff | Sanctioned | Filled |
|---|---|---|
| Technical | 3 | 3 |

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.*

    *a) National projects*

| Funding agency | UGC | | KSCSTE |
|---|---|---|---|
| Type of project | Major Projects | Minor Projects | |
| Number of faculty | 0 | 2 | 1 |
| Grants Received | 0 | 4,90,000 | 14,85,600 |

12. *Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; Total grants received:* Nil

13. *Research facility /centre with :* Nil

14. *Publications:*

| *Number of papers published in peer reviewed journals (national /international) by faculty and students* | 24 |
|---|---|
| *Chapter(s) in Books* | 3 |
| *Editing Books* | 1 |

15. *Details of patents and income generated* : Nil

16. *Areas of consultancy and income generated :*

    Dr. Delse P. Sebastian- Biodiversity Consultant on Gratis of
    Environmental Engineers and Contractors, New Delhi

17. *Faculty recharging strategies*
    - Faculty members are deputed to attend refresher/ orientation programmes, workshops and professional development programmes.
    - Encourage teachers to associate with reputed institutions like Kottakal Aryavaidyashala.
    - Department meetings

18. *Student projects*

    | In-house projects including inter-departmental | 90 % |
    |---|---|
    | Projects in collaboration with industries / institutes | 10 % |

19. *Awards / recognitions received at the national and international level by*
    - *Faculty* : Nil
    - *Doctoral / post doctoral fellows* : Nil
    - *Students* : Nil

20. *Seminars/ Conferences/Workshops organized and the source of funding with details of outstanding participants,:* Nil

21. *Student profile course-wise:*

    | Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
    |---|---|---|---|---|---|---|---|---|---|
    | Name of the Course | | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
    | Applications Received | | 1694 | CAP | 1733 | CAP | CAP | 166 | 5577 | 141 |
    | Selected | Male | 11 | 1 | 10 | 2 | 6 | 1 | 6 | 2 |
    | | Female | 25 | 10 | 25 | 10 | 28 | 9 | 31 | 9 |

**Figure 8.6**
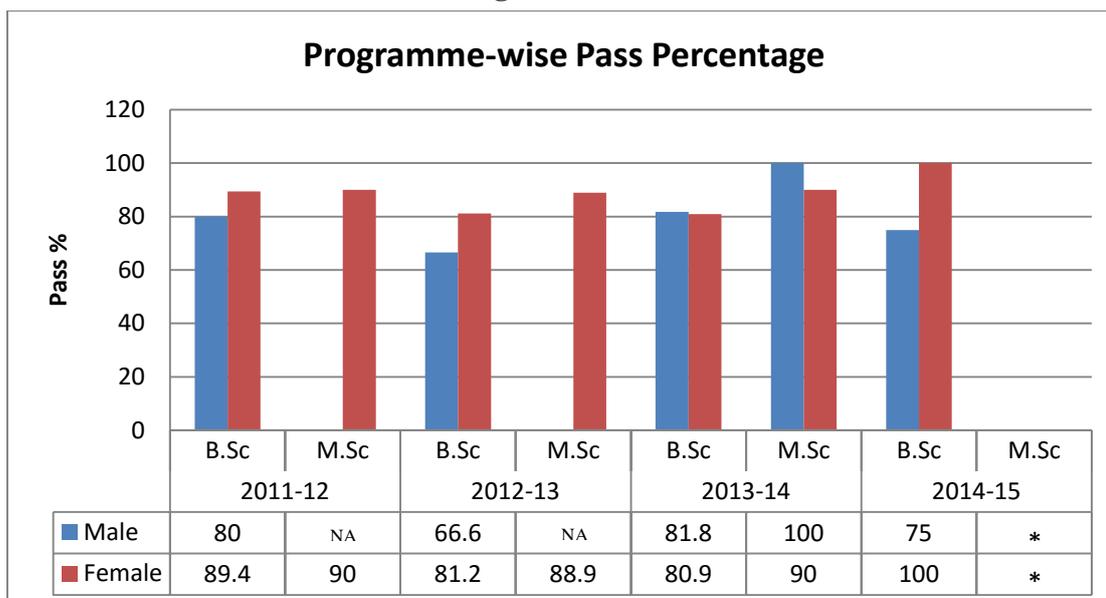


Programme-wise Pass Percentage

| | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
|---|---|---|---|---|---|---|---|---|
| | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
| Male | 80 | NA | 66.6 | NA | 81.8 | 100 | 75 | * |
| Female | 89.4 | 90 | 81.2 | 88.9 | 80.9 | 90 | 100 | * |

M.Sc (2014-15) Result Awaited

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22. **Diversity of Students**

| Name of the Course | % of students from the college | % of students from the same state | % of students from other States | % of students from abroad |
|---|---|---|---|---|
| B.Sc. Botany | NA | 98.5 | 1.5 | - |
| M.Sc. Botany | 30 | 95.5 | 4.5 | - |

23. **How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

| Academic  year | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|
| NET | 2 | - | - | - |
| GATE | - | 1 | - | - |
| Civil services | - | - | - | - |
| Defense Services | - | - | - | - |

24. **Student progression**

| Student progression | Percentage against enrolled |
|---|---|
| UG to PG | 41% |
| PG to M.Phil. | Nil |
| PG to Ph.D. | 16.5% |
| Ph.D. to Post-Doctoral | Nil |
| Employed<br>• Campus selection<br>• Other than campus recruitment | Nil<br>15% |

25. **Diversity of staff Percentage of faculty who are graduates from**

| of the same parent university | 44 |
|---|---|
| other universities within the State | 56 |

26. *Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.* : Nil

27. *Present details about infrastructural facilities*
    *Library*                                    :    Nil
    *Internet facilities for staff and students* :    Yes
    *Total number of class rooms*                :    4
    *Class rooms with ICT facility*              :    3
    *Students' laboratories*                     :    3
    *Research laboratories*                      :    4

28. *Number of students of the department getting financial assistance from College. :* 3

29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. :* NA

30. *Does the department obtain feedback from*
    a. *Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*
       Yes, suggestions obtained from the faculty are forwarded to the concerned Board of Studies for curriculam revision.

    b. *Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*
       Yes,
       • In response to their evaluation, more student-centric teaching methods were adopted.
       • More teaching aids were procured
       • Laboratory facilities were enhanced

    c. *Alumni and employers on the programmes and what is the response of the department to the same?*
       Yes,
       • Programmes are well appreciated by alumni and teachers.
       • Suggestions for improvement are discussed in academic forums for follow up.

## 31. List the distinguished alumni of the department

| Name | Designation |
|---|---|
| Dr. Praveen | Asst. Prof. , Indianopolis University, USA |
| Dr. Tomli Stephen | Research Associate, Wistar Institute, Pennsylvania University, USA |
| Dr. Indulekha T. | Asso. Prof., ZG College, Kozhikode |
| Dr. Azzez K. | Asso. Prof. and H.O.D. Unity Women's College, Manjeri. |
| Dr. Deena Maria Jose | Asst. Prof. and H.O.D., Providence Women's College, Calicut |
| Fr. Biju John Vellakada | Principal, Silver Hills, Higeher Secondery School, Kozhikode |
| Dr. Arun Kumar T. K. | Asst. Prof., Guruvayurappan College, Calicut |
| Dr. Renjana | Asst. Prof., Govt. Arts and Science College, Calicut |
| Smt. Smitha P. S. | Asst. Prof., Vimala College, Thrissur |
| Dr. Shibin Mohanan N. | Asst. Prof., Nirmala College, Muvattupuzha |

32. *Give details of student enrichment programmes with external experts.*
Organised hands on training on molecular biology for PG students by Dr. Beena M.R., scientist, Plant Virus Department Leibniz- Institute DSMZ– Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH Messeweg 11/12, 38104 Braunschweig Germany.

33. *List the teaching methods adopted by the faculty for different programmes.*
ICT enabled teaching, group discussions, field trips and demonstrations

34. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*
Various internal evaluation tools like tests, seminar presentations by the students and micro tests are made use of to ensure that the programme objectives are met.

35. *Highlight the participation of students and faculty in extension activities.*
The faculty and students organize visits to *Ashakiran*, a school for differently abled students. Also faculty members actively involve in Encon Club activities.

36. *Give details of "beyond syllabus scholarly activities" of the department.*
   - Maintenance of Botanical garden
   - Consultancy extended on plants identification
   - Consultancy for student projects

37. *State whether the programme/ department is accredited/ graded by other agencies. Give details. :* Nil

38. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| STRENGTH | WEAKNESSES |
|---|---|
| - Good Laboratory facilities<br>- Well Qualified faculty<br>- DST/FIST Assistance<br>- Research Center<br>- Well-maintained Botanical Garden<br>- Good pass percentage with University ranks/ positions | - Less Career orientation<br>- Delay in the conduct of examination (Non autonomous batch)<br>- Drop outs |
| OPPORTUNITIES | CHALLENGES |
| - Autonomous status provides the opportunity to frame the syllabi<br>- Proximity of the Indian Institute of Spices Research, Malabar Botanical Garden, Calicut and Kottackal Aryavaidyasala, Kottackal<br>- Financial assistance from different funding agencies | - Limited campus placement<br>- Lower preference for the subject among the candidates. |

39. *Future plans of the department.*
   - Organize international seminar
   - Start coaching for UGC-NET/JRF examinations
   - Collaborations with nearby national institutions.

**Evaluative Report of the Department of Zoology**

| 1. | *Name of the Department & its year of establishment* | : | Zoology, 1957 |
|----|------|---|------|
| 2. | *Names of Programmes/Courses offered:* | : | B.Sc., M.Sc., Ph.D. |
| 3. | *Interdisciplinary courses and departments involved* | : | Nil |
| 4. | *Annual/ semester/choice based credit system* | : | B.Sc. – Choice Based Credit Semester System (CBCSS)<br>M.Sc. – Credit Semester system(CSS) |
| 5. | *Participation of the department in the courses offered by other departments* | : | Open Course - Human Health & Sex Education for UG students<br>Complementary Course offered to B.Sc. Botany students |

6. *Number of teaching posts sanctioned and filled :*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 4 | 4 |
| Asst. Professors | 4 | 4 |

7. *Faculty profile*

| Name | Qualification | Designation | Specialization | Years of Experience | No. of Ph.D. Students guided |
|---|---|---|---|---|---|
| Dr. George Mathew | M.Sc., M.Phil., B.Ed. PhD | Associate Professor | Ornithology | 29 | - |
| Dr. Benny T.M. | M.Sc., M.Phil, Ph.D | Associate Professor | Entomology | 24 | 2 |
| Dr. Boby Jose | M.Sc., PhD | Associate Professor | Ornithology | 22 | 1 |
| Dr. Sabu K. Thomas | M.Sc., PhD | Associate Professor | Entomology | 20 | 4 |
| Dr. Vineesh P.J. | M.Sc., PhD | Assistant Professor | Entomology | 7 | - |

| Dr. Jisha Jacob | M.Sc., M.Phil., PhD | Assistant Professor | Microbial Ecology | 2.5 | - |
| Joice J. Tom | M.Sc., M.Phil | Assistant Professor | Biomedical Technology | 1.5 | - |
| Dr. Aswathi P. | M.Sc, PhD | Assistant Professor | Entomology | 1 | - |

8. *Percentage of classes taken by temporary faculty – programme-wise information*

| B.Sc. | |
|---|---|
| Theory | Practical |
| 7.69% | 4.99% |

9. *Programme-wise Student Teacher Ratio*

| Course | Student Teacher ratio |
|---|---|
| B.Sc. | 24:1 |
| M.Sc. | 6:1 |

10. *Number of academic support staff and administrative staff:*

| Number of technical staff | Sanctioned | Filled |
|---|---|---|
| Technical | 3 | 3 |

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.*

*a) National projects*

| Funding agency | UGC | | DST |
|---|---|---|---|
| Type of project | Major Projects | Minor Projects | SERB |
| Number of faculty | 1 | 3 | 1 |
| Grants Received Rs. | 5,79,800 | 3,70,000 | 16,89,000 |

12. *Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received*

Name of faculty: Dr. Sabu K. Thomas

| Title of the project | Funding agency and Grant received |
|---|---|
| Dung specificity, guild structure, seasonality and species composition of dung beetles (Coleoptera: Scarabaeinae) associated with the dung droppings of major mammals and composition of arboreal dung beetles in the Western Ghats. | Ministry of Environment and Forests (MoEF) Rs. 9,28,116 |
| Biocontrol of Mupli beetles by aggregation pheromones and control of premature leaf fall in rubber plantations | Kerala State Council for Science, Technology & Environment (KSCSTE) Rs. 10,09,800 |
| Diversity and community structure of ground surface dwelling arthropods in agroecosystems on Kerala | Kerala State Biodiversity Board (KSBB). Rs. 1,15,000 |

13. **Research facility/Centre with**

- **national recognition**   -   DST – FIST sanctioned

14. **Publications:**

| | |
|---|---|
| ***Number of papers published in peer reviewed journals (national /international) by faculty and students*** | 48 |
| ***Monographs*** | |
| ***Chapter(s) in Books*** | 6 |
| ***Editing Books*** | 1 |
| ***Books with ISBN numbers with details of publishers:*** One,      ISBN: 978-3-659-13068- Lambert Academic Publishing GmbH & Co. KG Heinrich-Böcking-Str. 6–8, 66121, Saarbrücken, Germany. ||
| ***Number listed in International Database*** | 38 |
| ***Citation Index – range*** | 1 to 14 |
| ***Impact factor – range*** | 0.3 to  6.4 |

15. *Details of patents and income generated*

Applied for Patent on 16/11/2012 (Application No. : 4360/CHE/2012) "Process for the preparation of a formulation named muplikill for Control of the home invading nuisance pest, mupli beetles (Luprops Tristis)"

16. *Areas of consultancy and income generated*

Control of home invading nuisance pest in the Government Arts Museum, East Hill, Calicut-5; honorary consultation for State Government funded public institutions.

17. *Faculty Recharging strategy*

Encouraging the staff members to attend conferences, workshops and seminars conducted by reputed institutions to update with recent developments in life science.

18. *Student projects*

| In-house projects including inter-departmental | 100% |
|---|---|
| Projects in collaboration with industries / institutes | 0 % |

19. *Awards / recognitions received at the national and international level :* Nil

20. *Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants,* - Nil

21. *Student profile course-wise:*

| Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|
| Name of the Course | | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc | B.Sc | M.Sc |
| Applications Received | | 1724 | CAP | 1765 | 178 | CAP | 145 | 6049 | 160 |
| Selected | Male | 8 | 2 | 5 | 1 | 4 | 2 | 4 | 2 |
| | Female | 17 | 10 | 21 | 12 | 29 | 10 | 21 | 8 |

**Figure 8.7**
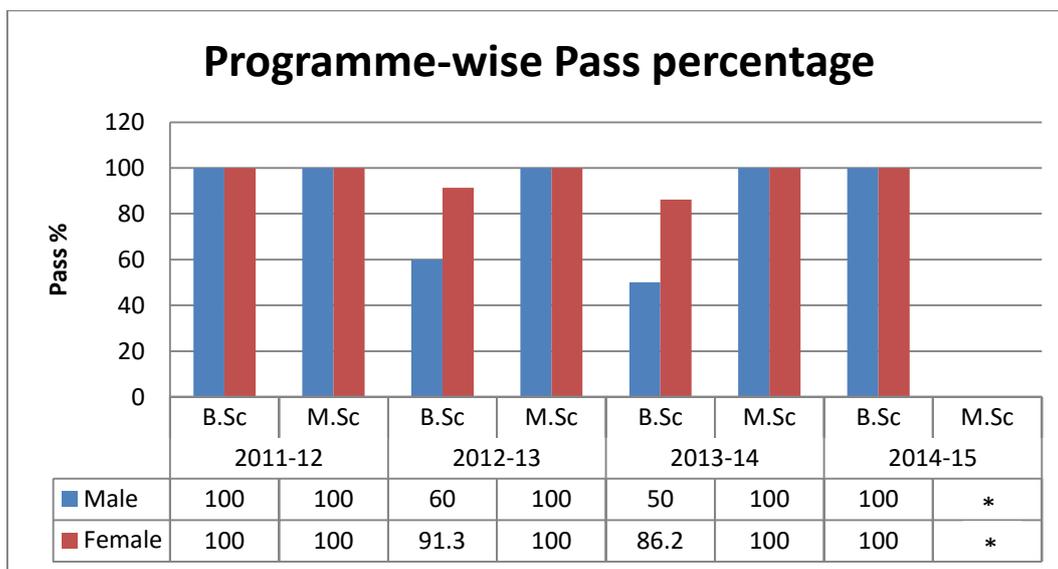


**Programme-wise Pass percentage**

| | B.Sc 2011-12 | M.Sc 2011-12 | B.Sc 2012-13 | M.Sc 2012-13 | B.Sc 2013-14 | M.Sc 2013-14 | B.Sc 2014-15 | M.Sc 2014-15 |
|---|---|---|---|---|---|---|---|---|
| Male | 100 | 100 | 60 | 100 | 50 | 100 | 100 | * |
| Female | 100 | 100 | 91.3 | 100 | 86.2 | 100 | 100 | * |

\* M.Sc (2014-15) Result Awaited

## 22. *Diversity of Students*

| Name of the Course | % of students from the college | % of students from the same state | % of students from other States | % of students from abroad |
|---|---|---|---|---|
| B.Sc. Zoology | NA | 99.14 | 0.86 | - |
| M.Sc. Zoology | - | 98.09 | 1.92 | - |

## 23. *How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?*

| Academic year | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|
| NET | 3 | 4 | - | 2 |
| GATE | - | 1 | - | - |
| Civil services | - | - | - | - |
| Defense Services | - | - | - | - |

*24.* *Student progression*

| Student progression Against % enrolled | 2011-'12 | 2012-'13 | 2013-'14 |
|---|---|---|---|
| UG to PG | 66.66 | 76% | 51.724% |
| PG to M.Phil. | 16.66 | 0% | 0% |
| PG to Ph.D. | 8.33 | 33.33% | 7.69% |
| Ph.D. to Post-Doctoral | | Nil | Nil |
| Employed | | | |
| • Campus selection | Nil | Nil | Nil |
| • Other than campus recruitment | UG - 29.16% | UG -20% | UG - 32% |
| | PG – 75% | PG – 66.66% | PG –46.15% |

*25.* *Diversity of staff Percentage of the faculty who are*

| graduates of the same University | 50% |
|---|---|
| From other Universities within the state | 50% |
| From other universities from other States | 0% |

*26.* *Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period -* One

*27.* *Present details about infrastructural facilities*

*Library* : 1350 books

*Internet facilities for staff and students* : 6 computers and 3 laptops with internet facility

*Total number of class rooms* : 3 class rooms

*Class rooms with ICT facility* : 3 classrooms and 1 lab

*Students' laboratories* : B.Sc. Lab - 1

Classrooms cum lab for PG - 2, Instrumentation room - 1

*Research laboratories* : Separate Labs for Entomology, Insect Endocrinology and Ornithology

*28.* *Number of students of the department getting financial assistance from College.*

| M.Sc | B.Sc |
|---|---|
| 5 | 7 |

29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. :* NA

30. *Does the department obtain feedback from*

   a. *faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*

   Yes, informally in department meetings. It is used for syllabus revision and improvement of teaching methodologies.

   b. *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*

   Yes. Corrective measures are taken by the department and the individuals concerned.

   c. *alumni and employers on the programmes and what is the response of the department to the same?*

   Yes, the suggestions of the alumni are considered in the revision of curriculam of UG and PG programmes

31. *List the distinguished alumni of the department*

| Name | | Designation |
|---|---|---|
| Dr. K.P. Janardhanan | : | Former HOD, Dept. of Zoology, University of Calicut |
| Dr. Prabhakaran Nambiar | : | Former Consultant, UN-FAO |
| K. Kunhikrishnan | : | Retired Deputy Director General Doordarshan |
| Dr. Sureshan P.M. | : | Director in charge, ZSI, Calicut |
| Dr. V.M. Kannan | : | HOD, Dept. of Zoology, University of Calicut |
| Dr. T.P.V. Surendran | : | Leo Hospital, Kalpetta |
| Dr. Muhammad Kunhi | : | Senior Scientist, KFRI |
| Dr. A.N.K. Jacob | : | Associate Professor, University of Pensilvania |
| Dr. Ashok Kumar | : | Former HOD, ENT, Medical College, Calicut |
| Dr. Paulinose | : | Scientist NIO |
| Dr. Joselet Mathew | : | Principal, Nirmalagiri College |

*32. Give details of student enrichment programmes (special lectures/workshops / seminar) with external experts.*

- Changing food habits & impending diseases among Keralites- Talk by Dr. Mehroof Raj on 11 November, 2011
- HIV Mode of infection & Control – Dr. Anitha P.M. , Associate Professor, Dept. of Microbiology, Medical College, Calicut on 1 December, 2011.
- Blood Donation Life Donation, Seminar by Dr. Mohandas, Senior Consultant, General Hospital, Ernakulam on 28 November 2013.
- Blood donation Camp at college campus Zoo fest named ZOVIT 2014 from 7-2-2014 to 10-2-2014 (Poster making competition, Quiz competition, exhibition of museum specimens) on 6 December 2013.
- A talk by Dr. Sheela Mathew, Associate Professor, Govt. Medical College, Calicut on AIDS awareness on 1 December 2014
- A talk by Dr. Joslet Mathew, Principal, Nirmalagiri College, Kuthparamba on Youth Enrichment on 6February 2015.
- Fauna Fiesta (Exhibition of museum specimens and exhibits brought by institutions like ZSI, MILMA & Forest Department) on 5 and 6 February 2015.

33. *List the teaching methods adopted by the faculty for different programmes.*

- Theory classes are supported by power point slides, animations and videos
- Field study trips for direct exposure to the animal diversity learned in theory classes.

34. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*

Continuous internal assessment through class tests, assignments and seminars ensures that the programme objectives are constantly met.

35. *Highlight the participation of students and faculty in extension activities.*

- Zoology Department co-ordinates the activities of the College Blood Donor's Forum. More than 350 students donate blood to the needy patients in the nearby Medical College every year.
- The Water Quality Analysis Lab in the Zoology Department does quality analysis.

- With the financial support from the College Management and the contributions of teachers, non-teaching staff and students, the Department of Zoology constructed a house by spending Rs. 4,95,000 for a deserving PG student in the year 2014-15.

36. *Give details of "beyond syllabus scholarly activities" of the department.*
    - Analysis of quality of drinking water samples brought to the department from various sources.
    - Identification of specimens for various PG and UG students and research scholars of other college /institutions.
37. *State whether the programme/department is accredited/ graded by other agencies. Give details.* Not accredited by other agencies
38. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| Strength | . Opportunities |
|---|---|
| • Well experienced and well qualified permanent faculty with M.Phil/ PhD <br> • Well-equipped labs <br> • Consistent PG and UG results with University Ranks, NET/JRF <br> • Active research groups in Entomology & Ornithology with at least one Ph.D. every year. <br> • 50% of the faculty are research guides <br> • 38 publications in peer reviewed Journals during the last five years <br> • Revised PG curriculum at par with UGC-JRF/NET exam syllabus | • Chances for more collaborative projects with reputed institutions. <br> • Formalization of research ties with other institution by signing MoU. <br> • Offer consultancy in a more structured way with income generation. |
| **Weaknesses** | **Challenges** |
| • Lower career and job orientation among students <br> • Lack of placement opportunities for UG students <br> • Delay in the conduct of examinations for the non-autonomous batches | • Limited direct job opportunities <br> • Some of the students admitted to the programme are not serious learners <br> • Decreasing number of talented students who opt for research. |

*39.* ***Future plans of the department.***

- Start coaching for UGC-CSIR examination during the current academic year.
- Monitor the air quality of Calicut city.
- Strengthen the research activities of the department through more number of major and minor research projects.

# Evaluative Report of the Department of Commerce

1. *Name of the Department & its year of establishment* : Commerce, 1977

2. *Names of Programmes/Courses offered:* : B.Com (Finance), M.Com (Finance)

3. *Interdisciplinary courses and departments involved* : Nil

4. *Annual/ semester/choice based credit system* : B.Com. – Choice Based Credit Semester System (CBCSS)

   M. Com. – Credit Semester System(CSS)

5. *Participation of the department in the courses offered by other departments* : Open Course - Basic Accounting, to all other aided UG courses.

6. *Number of teaching posts sanctioned and filled*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 1 | 1 |
| Asst. Professors | 7 | 7 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | Years of Experience |
|---|---|---|---|---|
| Dr. M. K. Baby | M.Com., LL.B., M. Phil., Ph.D. | Associate Professor & Head | Finance | 26 |
| Anish Sebastian | M.Com, B.Ed, | Assistant Professor | Finance | 5 |
| Shobha C V | M.Com, M.Phil, B.Ed, | Assistant Professor | Finance | 3 |
| Jasmine V M | M.Com , B.Ed, | Assistant Professor | Finance | 3 |
| Jobin George | M.Com, MBA, M.Ed | Assistant Professor | Finance | 3 |
| Akhin P | M.Com, M.Phil | Assistant Professor | Finance | 3 |

| Sruthiya V.N. | M.Com | Assistant Professor | Finance | 3 |
| Nithin Jose | M.Com | Assistant Professor | Finance | 2 |

8.  *Percentage of classes taken by temporary faculty – programme-wise information:*

| Course | Percentage of classes taken |
|--------|------------------------------|
| B. Com | 13% |
| M.Com | Nil |

9.  *Programme-wise Student Teacher Ratio:*

| Course | Student Teacher ratio |
|--------|------------------------|
| B. Com | 40:1 |
| M.Com | 8:1 |

10. *Number of academic support staff (technical) and administrative staff: sanctioned and filled:-* Nil

11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.*

    National projects

| Funding agency | UGC | |
|----------------|----------------|----------------|
| Type of project | Major Projects | Minor Projects |
| Number of faculty | 0 | 4 |
| Grants Received (Rs.) | 0 | 2,60,000 |

12. *Departmental projects funded by DST-FIST; DBT, total grants received:* Nil

13. *Research facility / centre :* NA

14. *Publications:*
    *Number of papers published in peer reviewed journals* : 1

15. *Details of patents and income generated:* Nil

16. *Areas of consultancy and income generated:* Nil

17. *Faculty recharging strategy:*
    Faculty members are motivated to attend workshops, seminars and conferences for professional development.

*18.* ***Student projects***

| In-house projects including inter-departmental | 0% |
|---|---|
| Projects in collaboration with industries / institutes | 100% |

*19.* ***Awards / recognitions received at the national and international level***
- *Faculty -* Nil
- *Students -* Nil

*20.* ***Seminars/ Conferences/Workshops organized:*** Nil

*21.* ***Student profile course-wise:***

| Academic year | | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|---|---|
| Name of the Course | | B.Com | M.Com | B.Com | M.Com | B.Com | M.Com | B.Com | M.Com |
| Applications Received | | 2813 | CAP | 2935 | CAP | CAP | 222 | 9294 | 207 |
| Selected | Male | 24 | 4 | 23 | 4 | 22 | 5 | 26 | 3 |
| | Female | 37 | 16 | 37 | 16 | 38 | 15 | 34 | 17 |

**Figure 8.8**



| | B.Com | M.Com | B.Com | M.Com | B.Com | M.Com | B.Com | M.Com |
|---|---|---|---|---|---|---|---|---|
| | 2011-12 | | 2012-13 | | 2013-14 | | 2014-15 | |
| Male | 91.3 | 83.33 | 100 | 100 | 91.6 | 75 | 95.4 | * |
| Female | 94 | 100 | 100 | 93.7 | 100 | 100 | 100 | * |
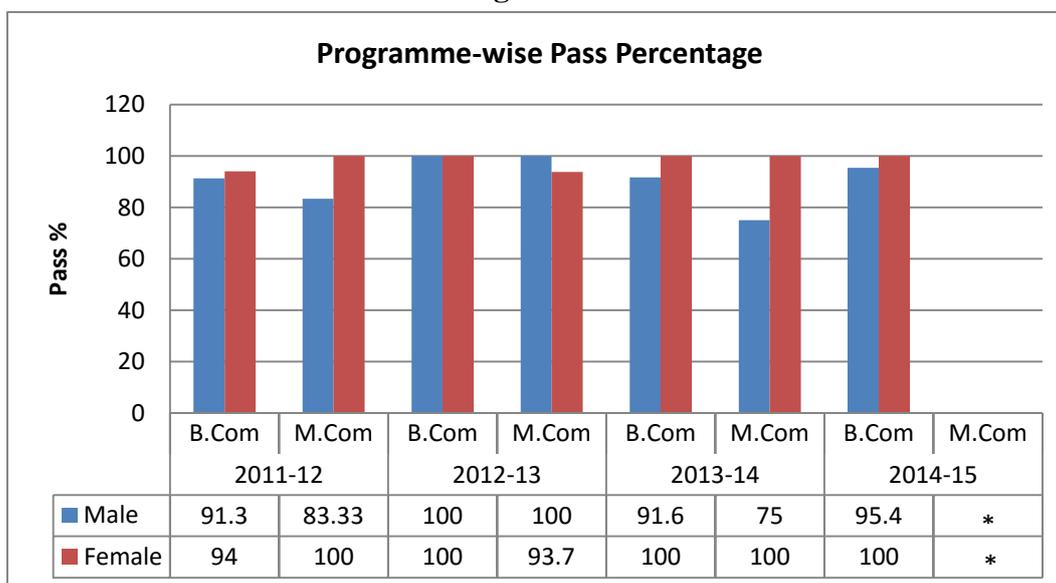
* M.Com (2014-15) Result Awaited

## 22. Diversity of Students

| Name of the Course | % of students from the college | % of students from the same state | % of students from other States |
|---|---|---|---|
| B.Com | NA | 97.5 | 2.5 |
| M.Com | 21.25 | 97.5 | 2.5 |

## 23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

| Civil Services | Defense Services | NET/JRF |
|---|---|---|
| 01 | 01 | 30 |

## 24. Student progression

| Student progression | Percentage against enrolled |
|---|---|
| UG to PG | 42.77% |
| PG to M.Phil | 5% |
| PG to Ph.D. | Nil |
| Ph.D. to Post-Doctoral | Nil |
| Employed: | |
| Campus selection | 6 |
| Other than campus recruitment | 17 |
| Entrepreneurs | 1 |

## 25. Diversity of staff

Percentage of faculty who are graduates

| of the same parent university | 100% |
|---|---|
| from other universities within the State | Nil |
| from other universities from other States | Nil |

## 26. No of faculty who were awarded Ph.D.,/D.Sc/D.Litt. during the assessment period: 1

27. *Present details about infrastructural facilities*

| | | |
|---|---|---|
| *Library* | : | Total Books – 1560 |
| *Internet facilities for staff and students* | : | 2 Desktops and 2 Laptops with internet facility |
| *Total number of class rooms* | : | 5 |
| *Class rooms with ICT facility* | : | 4 |
| *Students' laboratories* | : | One computer lab with 16 desktops with internet facility |

28. *Number of students of the department getting financial assistance from College*:- 7 Students (Students Welfare Fund)

29. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. :* NA

30. *Does the department obtain feedback from*
    a. *faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*
       Yes. The department utilizes it for improving the learning environment.
    b. *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*
       Yes. It is used for making the teaching learning process more student centric and effective
    c. *alumni and employers on the programmes and what is the response of the department to the same?*
       Yes, the feedback obtained from alumni are considerd while revising the curriculum.

31. *List the distinguished alumni of the department*

| Name of Alumni | | Designation |
|---|---|---|
| Mr. M. V. Shreyams Kumar | : | Member, Legislative Assembly Kerala |
| Mr. Nitheesh P. V. | : | MD, KTC Automobiles Group |
| Dr. P. Mohan | : | Professor, Department of Commerce and Management Studies, Calicut University |
| Dr. K. B. Subash | : | Professor, Department of Commerce, Goa University |
| Dr. K. G. Sankaranarayanan | : | Asso. Prof., Department of Commerce, Narayan Zantye College Goa |

| | | |
|---|---|---|
| S Aswathi IAS | : | 24th rank in Civil Services Exam 2012 |
| Dr. T.C. Simon | : | Head and Asso. Prof. MAMO College Calicut |
| CA Gopakumar T. | : | Leading Charterd Accountent in Calicut |
| Dr. S. Shijin | : | Asst. Prof. Department of Commerce, Pondicherry University |
| Jose Kynadi | : | Leading Businessmen in Calicut. |

*32.* *Give details of student enrichment programmes*

| Date | Faculty | Subject |
|---|---|---|
| 04/03/2014 | Mr. Biju Joseph (Head Dept of Management St Pius X College, Rajapuram) | Data Analysis through SPSS |
| 09/01/2014 | Mr. Ajith Kumar R - CEO Govt. Cyber Park, Calicut | Innovation |
| 02/01/2014 | Dr. Saji Gopinath, Dean, IIMK, Calicut | Future of Business and Industries |
| 16/11/2013 | Dr. K Sivarajan, Dean, University of Calicut | Mathematical Reasoning |
| 16/11/2013 | Adv. Dinesh A (Certified International Trainer) | Soft Skill Development |
| 22/02/2012 | Mr. Radakrishnan JCI | One day Workshop on Interview Skills |

*33.* *List the teaching methods adopted by the faculty for different programmes.*

ICT based teaching, Discussions, Field Visit (Court Visit, Industrial visit), Seminars, Lectures, Case study

*34.* *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*

1. Internal Examinations (Class Test, Assignments, Seminars, etc)
2. Tutorial Hours
3. Feedback from students

*35.* *Highlight the participation of students and faculty in extension activities.*

1. Dr. M.K. Baby (Member in various board of studies)
2. Mr. Akhin P. (Secretary, Calicut Management Association)
3. Active participation of students in various managements meets conducted by other colleges.

36. *Give details of "beyond syllabus scholarly activities" of the department.*
    1. Xplore.com - National level management meet organized by the department.
    2. Mithun Mangalasseril Memorial Business Quiz (State Level Quiz Program)
37. *State whether the programme/ department is accredited/ graded by other agencies. Give details.* Nil
38. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| STRENGTH | WEAKNESSES |
|---|---|
| • Most sought after department in the University<br>• Well-equipped computer lab<br>• Certificate course in computerized accounting.<br>• All class rooms are ICT enabled<br>• NET coaching for the PG students<br>• Strong and supportive Alumni<br>• Excellent pass percentage in NET/JRF examination | • Lack of MoU with institutions and industries.<br>• Majority of the faculty are recently appointed<br>• PhD holders among teaching staff are less number |
| OPPORTUNITIES | CHALLENGES |
| • MoU with nearby Management Institutions and Industries.<br>• Students placement portal<br>• Opportunity to modify the syllabus<br>• Online teaching facilities | • Insufficient research guides in the research centres under the University.<br>• Fine tune the programmes of the department to meet the requirements of the industry. |

39. *Future plans of the department.*
    1. Modify the existing syllabus according to the current demands of the business world, to make the students more employable.
    2. Organize one international seminar in the coming year.
    3. Launch a national level lecture series in the coming years.
    4. Take steps to reach out to the society through different programmes which would help them to improve the standard of living.
    5. Inculcate research aptitude among the students.

**Evaluative Report of the Department of Business Management (SF)**

| 1. | *Name of the Department & its year of establishment* | : | Department of Business management, 2012 |
|---|---|---|---|
| 2. | *Names of Programmes/Courses offered:* | : | B.Com Computer Application, BBA |
| 3. | *Interdisciplinary courses and departments involved* | : | Nil |
| 4. | *Annual/ semester/choice based credit system* | : | B.Com, BBA – Choice Based Credit Semester System (CBCSS) |
| 5. | *Participation of the department in the courses offered by other departments* | : | Open course - Basics of Entrepreneurship and Management, E-commerce Management offered to ther UG self financing programmes. |

6. *Number of teaching posts sanctioned and filled :*

|  | Sanctioned | Filled |
|---|---|---|
| Assistant Professors | 7 | 7 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | Years of Experience |
|---|---|---|---|---|
| Raichal John | MA, M.Phil | Asst. Prof. | English | 3 |
| Arya Premnath | MBA | Asst. Prof. | Management | 3 |
| Nisha N P | M.Com | Asst. Prof. | Commerce | 2 |
| Shahanaz Cheenika | M.Com | Asst. Prof. | Commerce | 2 |
| Anjali A | M.Com, M.Phil | Asst. Prof. | Commerce | 1 |
| Shani Naveen | MBA | Asst. Prof. | Management | 1 |
| Shineesh O. K | M.Com, B.Ed | Asst. Prof. | Commerce | 1 |

8. *Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty -* Nil

9. *Student -Teacher Ratio (Programme wise)*

| B.Com (CA) | BBA |
|---|---|
| 32:1 | 26:1 |

10. *Number of academic support staff (technical) and administrative staff; sanctioned and filled:* Nil

11. *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received -* Nil

12. *Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:* Nil

13. *Publications:*

    *Number of papers published in peer reviewed journals (national /international) by faculty and students:* 2

14. *Areas of consultancy and income generated:* Nil

15. *Faculty recharging strategy:* Faculty members are deputed to attend seminars, conferences and workshops.

16. *Student projects*

| In-house projects including inter-departmental | 0 % |
|---|---|
| Projects in collaboration with industries / institutes | 100% |

17. *Awards / Recognitions received by faculty and students*

| Name of faculty / student | Awards / Recognitions |
|---|---|
| Jeswin Shaji | Attended Republic Day Camp |

18. *Seminars/ Conferences/Workshops organized by the department & the source of funding*

| Seminars/Conference / Workshops | National / International | Source of funding |
|---|---|---|
| Financial Services, Market and Literacy | National | Management |

19. *List of eminent academicians and scientists / visitors to the department*

| Name of academicians and scientists | Designation | Time of visit |
|---|---|---|
| Kerry Lawson | Yoga Teacher Trainer, Nova Scotia, Canada | 23-01-2014 |

*20. Student profile programme/course wise:*

| Academic year | | 2012-13 | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|
| Name of the Course | | B.B.A | B.B.A | B.Com | B.B.A | B.Com |
| Applications Received | | 206 | CAP | CAP | 3271 | 2238 |
| Selected | Male | 24 | 15 | 23 | 13 | 19 |
| | Female | 8 | 15 | 17 | 17 | 21 |
| Pass percentage | Male | NA | NA | NA | 73.9 | NA |
| | Female | NA | NA | NA | 85.7 | NA |

*21.    Diversity of Students*

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|---|---|---|---|
| BBA, B.Com CA | 98 | - | 2 |

*22.    Student progression*

| Student progression | Against %  enrolled |
|---|---|
| UG to PG | 60 |
| PG to M.Phil. | NA |
| PG to Ph.D. | NA |
| Ph.D. to Post-Doctoral | NA |
| **Employed**<br>Campus selection<br>Other than campus recruitment | 3<br>10 |
| Entrepreneurship/Self-employment | 1 |

*22.    Details of Infrastructural facilities*

   *a)  Library*                                          :      125 Books
   *b)  Internet facilities for Staff & Students*  *:*      1 Desktop
    *c)  Class rooms with ICT facility*             *:*      1 Classroom
    *d) Laboratories*                                   *:*      Nil
*23.    No. of students receiving financial assistance from college*: Nil

*24.* ***Details on student enrichment programmes with external experts***

| Sl No | External Experts | Programme | Date |
|---|---|---|---|
| 1. | Adv. Dinesh Panikar, HR Trainer | Personality Development Programme | 28-08-2014 |
| 2. | Dr. M. K. Baby, HOD, Department of Commerce | Financial Derivatives | 14-07-2014 |
| 3. | P. J. Santhosh Kumar, Christ University, Banglore | Financial Literacy | 14-07-2014 |

*25.* ***Teaching methods adopted to improve student learning***

   Case study, Group discussion, Role play, Debate

*26.* ***Participation in Institutional Social Responsibility (ISR) and Extension activities***

   Students visited *Ashakiran,* School for differentially abled students and interacted with them.

*27.* ***SWOC analysis of the department and Future plans***

| STRENGTH | WEAKNESSES |
|---|---|
| • Highly potential students<br>• Students with great initiatives<br>• Confluence of young and experienced staff<br>• Good teaching and learning ambience | • Collaboration with institutions and industries are less.<br>• Alumni is not strong |
| OPPORTUNITIES | CHALLENGES |
| • As Calicut is emerging as an industrial hub, job opportunities are high.<br>• Management meets organized in different management institutes. | • Limited campus placement<br>• Insufficient time to enhance the softskills of the students<br>• Being a self finance course it misses cream-students. |

### 28. Future plans of the Department

- Launch MBA programme.
- Greater interface with industry.
- Organize campus placement programmes.
- Launch Entrepreneurial development programmes to nurture Entrpreneurial talent.

# Evaluative Report of the Department Computer Science (SF)

1. *Name of the Department & its year of establishment*  : Computer Science, 2012

2. *Names of Programmes/Courses offered*  : B.Sc. Computer science, BCA

3. *Interdisciplinary courses and departments involved*  : Nil

4. *Annual/ semester/choice based credit system*  : B. Sc., BCA – Choice Based Credit Semester System

5. *Participation of the department in the courses offered by other departments*  : Open Courses –  Introduction to Web Designing, Internet Programming Complementary Courses – Mathematics, Statistics

6. *Number of teaching posts sanctioned and filled*

| Teaching post | Sanctioned | Filled |
|---|---|---|
| Associate Professor | Nil | Nil |
| Assistant Professors | 12 | 12 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | Years of Experience |
|---|---|---|---|---|
| Sanju Jose | MCA | Asst. Prof. | Computer Science | 7 Years |
| Roofidha P.P. | M.Sc | Asst. Prof. | Mathematics | 3 Years |
| Anima P. | MCA | Asst. Prof. | Computer Science | 9 Years |
| Jisha T. | M.Sc | Asst. Prof. | Statistics | 6 Years |
| Asha Unnikrishnan | MCA | Asst. Prof. | Computer Science | 7 Years |
| Souparnika N.K. | M.Sc | Asst. Prof. | IT | 1 Year |
| Anusree K | M.Tech | Asst. Prof. | IT | 1 Year |
| Neethu Lakshmi | MCA | Asst. Prof. | Computer Science | 1 Year |

| Gargi V.P. | M.Sc | Asst. Prof. | Computer Science | 1 Year |
|---|---|---|---|---|
| Deepa R. | MCA | Asst. Prof. | Computer Science | 6 Years |
| Nisha T.P. | MA, B.Ed | Asst. Prof. | English Language and Literature | 3 Years |
| Pravitha P. | MA, B.Ed | Asst. Prof. | Functional Hindi and Translation | 3 Years |

8. ***Percentage of classes taken by temporary faculty – programme-wise information*** : Nil

9. ***Programme-wise Student Teacher Ratio*** :

| B.Sc | BCA |
|---|---|
| 22:1 | 26:1 |

10. ***Number of academic support staff (technical) and administrative staff: sanctioned and filled*** : Nil

11. ***Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise***. Nil

12. ***Departmental projects funded by DST-FIST; DBT, ICSSR, ; total grants received: NA***

13. ***Research facility / centre with***

- ***state recognition*** *: NA*
- ***national recognition*** *: NA*
- ***international recognition*** *: NA*

14. ***Publications:***

- ***Number of papers published in peer reviewed journals*** : 1

15. ***Details of patents and income generated*** : Nil

16. ***Areas of consultancy and income generated*** : Nil

*17.* ***Student projects***

| In-house projects including inter-departmental | 0% |
|---|---|
| Projects in collaboration with industries / institutes | 100 % |

*18.* ***Awards / recognitions received at the national and international level by***
- ***Faculty  -*** Nil
- ***Doctoral / post doctoral fellows –***Nil
- ***Students –*** Nil

*19.* ***Seminars/ Conferences/Workshops organized and the source of funding (national International) with details of outstanding participants:*** Nil

*20.* ***Student profile course-wise:***

| Academic year | | 2012-13 | | 2013-14 | | 2014-15 | |
|---|---|---|---|---|---|---|---|
| Name of the Course | | B.Sc | BCA | B.Sc | BCA | B.Sc | BCA |
| Applications Received | | 102 | 138 | CAP | CAP | 1175 | 1268 |
| Selected | Male | 10 | 10 | 12 | 10 | 13 | 11 |
| | Female | 14 | 14 | 12 | 14 | 9 | 12 |
| Pass Percentage | Male | Programme commenced in 2012-13 | | | | 78 | 71 |
| | Female | | | | | 85 | 93 |

*21. Diversity of Students*

| Name of the Course | % of students from the state | % of students from other States | % of Students from other Countries |
|---|---|---|---|
| B.Sc Computer Science | 100 | Nil | Nil |
| BCA | 100 | Nil | Nil |

*22.* ***How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?***: NA

*23. Student progression*

| Student progression | Against % enrolled |
|---|---|
| **Employed** | |
| Campus selection | Nil |
| Other than campus recruitment | 15% |
| Entrepreneurship/Self-employment | Nil |

*24. Diversity of staff*

*Percentage of faculty who are graduates*

| of the same parent university | 40 |
|---|---|
| from other universities within the State | 50 |
| from other universities from other States | 10 |

*25. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.* Nil

*26. Present details about infrastructural facilities*
- a. ***Library :*** Nil
- b. ***Internet facilities for staff and students –*** provided
- c. ***Total number of class rooms*** - 6
- d. ***Class rooms with ICT facility*** - 3
- e. ***Students' laboratories -***1
- f. ***Research laboratories -*** Nil

*27. Number of students of the department getting financial assistance from College.* Nil

*28. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.* Nil

*29. Does the department obtain feedback from*
- *faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?*

  Yes. Detailed discussion based on the evaluation report is done and necessary changes are implemented

- *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same*?

  Yes, on the basis of feedback obtained, new strategies are implemented with a view to improving teaching-learning process.

- *alumni and employers on the programmes and what is the response of the department to the same?* NA

30. *List the distinguished alumni of the department (maximum 10) :* NA

31. *Give details of student enrichment programmes with external experts.*

| Programme Name | Resource Person | Date |
|---|---|---|
| Theoretical Computation | Prof. Sudeep, NIT Calicut | 07-12-2012 |
| Personality Development | Adv. Dinesh P., HR Trainer | 07-09-2013 |
| Network, IPV4-IPV6 | Mr. Murali, Industrialist | 08-12-2013 |
| Open Sources | Mr. Gopalakrishnan, System Analyst, NIT Calicut | 25-02-2014 |
| Seminar on Networks Security | Dr. Lajeesh V., HOD, Dept. of Computer Science, Calicut University | 08-09-2014 |
| Personality Development | Adv. Dinesh P., HR Trainer | 08-10-2014 |
| PHP language & live projects | Mr. Tiji George ,HOD, Dept. of computer science, MACFAST Thiruvalla | 09-10-2014 to 10-10-2014 |
| Workshop on Business Process Simulation | Prof. D.S. Broca, XLRI Jamshedpur | 27-07-2015 |

32. *List the teaching methods adopted by the faculty for different programmes.*

   Lecture, discussion, case study, ICT, seminars, assignments & workshops

33. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*

   By continuous evaluation and feedbacks

34. *Highlight the participation of students and faculty in extension activities.*

   Active participation of students in arts, sports and social activities (providing service for differentially abled and old aged homes)

35. *Give details of "beyond syllabus scholarly activities" of the department.*
Conducted various seminars and workshops related to emerging technologies in computer science.
Organized open discussion with experienced professionals to familiarize students with the industrial environment.

36. *State whether the programme/ department is accredited/ graded by other agencies. Give details.* NA

37. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| STRENGTH | WEAKNESSES |
|---|---|
| • Supportive working environment among the faculty members.<br>• Excellent administrative support.<br>• Good computing environment (labs and server).<br>• Flexible curriculum management with devoted teachers.<br>• Senior design course supported by the faculties which provides students flexibility in choosing a project. | • Lack of technical support<br>• It is a self finance department, and hence students do not get any scholarship<br>• A few internal seminars, presentations and workshops. |
| OPPORTUNITIES | CHALLENGES |
| • Collaboration with leading MNCs to facilitate internship of the students.<br>• Workshops by industrial experts and entrepreneurs.<br>• New cyber park opened in Calicut | • Volatile employment market for computer graduates<br>• Limited campus placement<br>• Speedy developing computer technology |

38. *Future plans of the department.*
   • Inviting sessions of industrial experts.
   • Elaborating placement activities through an efficient placement cell.
   • Collaboration with industries for student internships.
   • Conducting workshops and sessions on recent technologies with a view to enhancing students' skills.
   • Include students in relevant UG committee meetings.
   • Allow for 'custom programme of study' for students whose interest goes beyond the curriculum.

**Evaluative Report of the Department of Psychology**

1. *Name of the Department &* : Psychology, 2014
   *its year of establishment*

2. *Names of* : B.Sc. Psychology
   *Programmes/Courses*
   *offered:*

3. *Interdisciplinary courses and* : Nil
   *departments involved*

4. *Annual/ semester/choice* : B.Sc. – Choice Based Credit Semester
   *based credit system* System (CBCSS)

5. *Participation of the* : Open Course: Psychology and
   *department in the courses* Personal Growth
   *offered by other departments*

6. *Number of teaching posts sanctioned and filled :*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | Nil | Nil |
| Asst. Professors | Nil | 2* |

   *Filled by management

7. *Faculty profile*

| Name | Qualification | Designation | Specialization | Years of Experience |
|---|---|---|---|---|
| Dr. Reena George | PhD | Guest Faculty | Organizational Behavior Developmental Psychology | 4.5 years |
| Deepa Mary | M.A | Guest Faculty | General Psychology, Human Physiology | 1 year |

8. *Percentage of classes taken by temporary faculty – programme-wise*
   *information :* Nil

9. *Programme-wise Student Teacher Ratio*

| Course | Student Teacher Ratio |
|---|---|
| B. Sc. | 24:1 |

10. *Number of academic support staff  and administrative staff:* Nil
11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise -* Nil
12. *Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received -*Nil
13. *Research facility/Centre with*
    - *state recognition  -* Nil
    - *national recognition –*  Nil
    - *international recognition -* Nil
14. *Publications:*

| Number of papers published in peer reviewed journals by faculty and students | 7 |
|---|---|
| Monographs | Nil |
| Chapter(s) in Books | Nil |
| Editing Books | 1 |
| Books with ISBN numbers with details of publishers | Nil |
| Number listed in International Database | Nil |
| Impact factor – range | 2 -5 |

15. *Details of patents and income generated :*    Nil
16. *Areas of consultancy and income generated* : Nil
17. *Student projects:* NA
18. *Awards /recognitions received at the national and international level :* Nil
19. *Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants,* -  Nil
20. *Student profile course-wise:*

| Academic year | | 2014- 15 |
|---|---|---|
| Name of the Course | | B.Sc |
| Applications Received | | 616 |
| Selected | Male | 9 |
| | Female | 15 |

## 21. *Diversity of Students*

| Name of the Course | % of students from the college | % of students from the same state | % of students from other States | % of students from abroad |
|---|---|---|---|---|
| B.Sc. Psychology | NA | 100 | - | - |

22. **How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?** : NA

23. **Student progression** : NA

24. **Diversity of staff**

    **Percentage of the faculty who are graduates**

| of the same university | 50% |
|---|---|
| From other universities within the state | 50% |
| From other universities from other States | - |

25. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period -** Nil

26. **Present details about infrastructural facilities**

    a) **Library** : Nil

    b) **Internet facilities for staff and students** : 1 computer with internet facility.

    c) **Total number of class rooms** : 2 class rooms

    d) **Class rooms with ICT facility** : Nil

    e) **Students' laboratories** : 1

    f) **Research laboratories** : Nil

27. **Number of students of the department getting financial assistance from College:** Nil

28. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** NA

29. **Does the department obtain feedback from**

    a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

    Yes. With regard to course content feedback is obtained from each faculty at the end of every semester and placed before the department council for scrutiny and necessary action.

b.  *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?*
Yes. Feedback forms are filled by the students in respect of each faculty member and are submitted to the HoD of the Department. Students feedback are discusses in staff meetings and necessary corrections are made.

c.  *alumni and employers on the programmes and what is the response of the department to the same?* NA

30. *List the distinguished alumni of the department* NA

31. *Give details of student enrichment programmes with external experts*.

| Date | Title | External Experts |
|------|-------|------------------|
| 20-02-2015 | Orientation on General Psychology | Dr. C Jayan, HoD (Psychology), University of Calicut |

32. *List the teaching methods adopted by the faculty for different programmes.*
    - Chalk and Board
    - Power Point Presentation
    - Audio-Visual aids (films and videos on subject related topics)
    - Case study method
    - Group discussion method

33. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*

PROGRAMME OBJECTIVES:
    - To make the students understand basic principles of Psychology
    - To train the students in clinical psychology, social psychology and child psychology
    - To impart the skills of counseling

PROGRAMME OBJECTIVES ARE MET BY:
    - Regular teaching and evaluation
    - Conducting practical
    - Organizing seminars, workshops and guest lectures
    - Use of multimedia recourses

LEARNING OBJECTIVES ARE MET BY:
- Regular analysis of internal examination results
- Periodic assignments and class seminars
- Remedial coaching and personal interaction
- Quiz programmes
- Group discussion

34. *Highlight the participation of students and faculty in extension activities.*
- Participation in seminars and workshops organized by various institutions (Loyola college, Trivandrum on 19 January, 2015, Irshadiya college, Calicut 24 & 25 January, 2015, Malabar College of Health Education, Calicut -10 October, 2014, KE College, Kottayam, Rahmanya college, Calicut, University of Calicut)
- Visit to nearby mental health institutes, special schools and rehabilitation centers.
- The faculty of the department have been invited as experts, to the nearby institutions for SPSS analysis.

35. *It helps them as they can make discussions with the teachers in the department. Give details of "beyond syllabus scholarly activities" of the department.*
- Participation in various inter-collegiate competitions by our students
- Paper presentation by faculty at state, national and international level
- Students and faculty participation in various seminars and workshops
- Participation in quiz and seminar presentation
- Paper Presentations by staff and students
- Student research projects
- Practical training

36. *State whether the programme/department is accredited/ graded by other agencies. Give details.* Nil

*37.* *Detail any five Strengths, Weaknesses, Opportunities and Challenges*
*(SWOC) of the department*

| Strengths | Weaknesses |
|---|---|
| a. Experienced and qualified faculty<br>b. Innovative teaching methods<br>c. Friendly and cordial attitude towerds students<br>d. Team work<br>e. Regular classes<br>f. Psychology Association | a. Time constraint, which restricts the conduct of extension programmes,<br>b. Limited faculty strength<br>c. Less job opportunities for graduates<br>d. Lack of exposure to clinical and industrial psychology |
| **Opportunities** | **Challenges** |
| a. Counselling services for both students and outsiders<br>b. Updating Syllabi and evaluation techniques | a. Development of the infrastructure of the department<br>b. Establishment of a Psychological laboratory<br>c. To conduct cross-faculty courses.<br>d. Shortage of permanent faculty |

*38.* *Future plans of the department.*

- Organizing State and National Level Seminars sponsored by UGC.
- Organizing National Level Competitions.
- Conducting more special lecturers, by external experts
- Extension activities in collaboration with recognized mental health institutions and NGOs
- Beginning of short duration Value Added Courses
- Formation of a registered psychological association for students.
- To publish a Research Journal of students' Research Project.
- To have more collaborations that benefit both the faculty and students
- To start Post Graduate Degree Course.

**Evaluative Report of the Department of History and Political Science**

*1. Name of the Department & its year of establishment* : Department of History and Political Science, 1956

*2. Names of Programmes/Courses offered* : Nil

*3. Interdisciplinary courses and departments involved* : Nil

*4. Annual/ semester/choice based credit system* : Choice Based Credit Semester System (CBCSS)

*5. Participation of the department in the courses offered by other departments* : Complimentary courses for B.A. English and/or B.A. Economics

*6. Number of teaching posts sanctioned and filled*

| Teaching post | Sanctioned | Filled |
|---|---|---|
| Associate Professors | Nil | Nil |
| Asst. Professors | 1 | 2* |

* In the case of Political Science, no post is sanctioned as per the govt. norms due to insufficient workload. Hence a guest faculty is appointed.

*7. Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | No. of Years of Experience |
|---|---|---|---|---|
| Shiny K. Mathew | MA, B.Ed | Asst Professor | Modern Indian History | 3 Year |
| Rajeev R | MA, M.Phil | Guest Faculty | Poilitical Science | 1 Year |

*8. Percentage of classes taken by temporary faculty – programme-wise information - Politics : 100%*

9. *Diversity of staff Percentage of faculty who are*

| | |
|---|---|
| graduates of the same parent university | : Nil |
| Percentage of faculty from other universities within the state | : 100 % |
| Percentage of faculty from other universities from other states | : Nil |

10. *List the teaching methods adopted by the faculty for different programmes.*

    Lecture method, discussions, debates, power point presentations

11. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

    **Strengths**: Good rapport of faculty with the students, Inter-disciplinary programmes

    **Weaknesses**: Single-member department for History, No permanent faculty for Politics, Offers only complimentary courses.

    **Opportunities**: Flexibility in framing syllabus under autonomy

    **Challenges**: Post for permanent faculty is not sanctioned by the government.

12. *Future plans of the Department*.

    To organize a national seminar, quiz competition and debates on contemporary issues

**Evaluative Report of the Department of Language & Communication (SF)**

| | | | |
|---|---|---|---|
| 1. | *Name of the Department & its year of establishment* | : | Department of Language and Communication, 2014 |
| 2. | *Names of Programmes /Courses offered:* | : | BA Functional English<br>BA Mass Communication |
| 3. | *Interdisciplinary courses and departments involved* | : | Nil |
| 4. | *Annual/ semester/choice based credit system* | : | BA– Choice Based Credit Semester System |
| 5. | *Participation of the department in the courses offered by other departments* | : | Open Course: English for Business Communication, Newspaper Journalism |

6. *Number of teaching posts:*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | Nil | Nil |
| Asst. Professors | 7 | 7 |

7. *Faculty profile*

| Name | Qualification | Designation | Specialization | Years of Experience |
|---|---|---|---|---|
| Remya V. | MA, B.Ed | Asst. Prof. | Malayalam | 3 |
| Latha Karunakaran | MA | Asst. Prof. | English | 2 |
| Reshma K. P. | MA, B.Ed | Asst. Prof. | English | 1 |
| Jasna Riyas | MA | Asst. Prof. | Economics | 1 |
| Sr.Bindu Jacob | MA, B.Ed | Asst. Prof. | English | 1 |
| Drishya Raj | MCJ | Asst. Prof. | Mass-Communication | 1 |
| Neela P. V. | MA, B.Ed | Asst. Prof. | English | 1 |

*8. List of senior visiting faculty*

      V.J. Zacharias (Rtd. Faculty member of Department of English, St. Joseph's College Devagiri)

## 9. Student -Teacher Ratio (Programme wise)

| BA Mass Communication | 24 : 1 |
|---|---|
| BA Functional English | 23 : 1 |

## 10. Student profile programme/course wise:

| Academic year | 2014-15 | |
|---|---|---|
| Name of the Course | BA Functional English | BA Mass Communication |
| Applications Received | 84 | 126 |
| Selected — Male | 8 | 16 |
| Selected — Female | 14 | 23 |

## 11. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|---|---|---|---|
| BA Mass Communication | 100 | - | - |
| BA Functional English | 100 | - | - |

## 12. Details of Infrastructural facilities

- a) **Library** : Nil
- b) **Internet facilities for Staff & Students:** one computer with internet facility
- c) **Class rooms with ICT facility:** 1
- d) **Laboratories:** Nil

## 13. Number of students receiving financial assistance from college, university, government or other agencies: Nil

## 14. Details on student enrichment programmes with external experts:
As part of the association programme, Mr. Shajahan, Assistant News Reporter and Mr. Anoop Ganghadaran, Short film director gave valuable insights to the students.

## 15. Teaching methods adopted to improve student learning

- Group discussion
- Preparing news letter
- Seminars
- Debate

*16.    SWOC analysis of the department and Future plans*

| Strength | Weakness |
|---|---|
| • Students with innovative ideas,<br>• Good rapport with the students,<br>•  Dedicated faculty committed to the academic growth of the students and to the development of the department. | • Lack of language lab and media lab,<br>• Lack of sufficient reference books in the department, |
| **Opportunity** | **Challenge** |
| • Courses are helpful for career development,<br>• freedom to frame syllabi,<br>• exploration of language and media skills | • As it is a young department there is lack of campus recruitment |

*17. Future plans of the department*

- Establish a media lab
- Arrange internship in leading dailies and visual media houses
- Organise more interactive sessions with experts from the media

**Evaluative Report of the Department of Physical Education**

1. *Name of the Department & its year* **:** Physical Education , 1956
   *of establishment*

2. *Names of Programmes/Courses* **:** NA
   *offered:*

3. *Interdisciplinary courses and* **:** Nil
   *departments involved*

4. *Annual/ semester/choice based* **:** Choice Based Credit Semester
   *credit system* System

5. *Participation of the department in* **:** Open Course : Physical activities,
   *the courses offered by other* Health and wellness
   *departments*

6. *Number of teaching posts sanctioned and filled*

| Teaching post | Sanctioned | Filled |
|---|---|---|
| Associate | Nil | Nil |
| Asst. Professors | 2 | 1 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | No. of Years of Experience |
|---|---|---|---|---|
| Fr Bony Augustine | M.P.Ed, PGDFM, | Assistant Professor | Basketball | 3 years |
| Sumesh Varma P.K. | M.P.Ed, M.Phil | Guest Lecturer | Cricket | 5 years |

8. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*
   - **Strength**: International and National Level Sports Students
   - **Weakness**: Lack of Indoor stadium and Sports Hostel

- **Opportunities**: Very good maintained 400 mtr track with playing field and many students are employed on their sports merit.
- **Challenges**: As we do not have a sports hostel we compete with sports hostel students.

9. *Future plans of the department.*
   - Construct an Indoor Stadium for various Games
   - Start a sports hostel with Government aid
   - Attract more sports students to the institution by providing facilities.
   - Conduct more national and state level competitions.
   - Plan to start new courses in Yoga and fitness management proramme.
   - Introduction of '**Fitness for all'** programme at Degree Level.
   - More financial support to the outstanding sports persons.

**Evaluative Report of the Department of Malayalam**

| | | | |
|---|---|---|---|
| *1.* | *Name of the Department & its year of establishment* | : | Malayalam, 1956 |
| *2.* | *Names of Programmes/Courses offered* | : | MA Malayalam, Common Course - UG |
| *3.* | *Interdisciplinary courses and departments involved* | : | Nil |
| *4.* | *Annual/ semester/choice based credit system* | : | M.A. – Credit Semester system(CCSS) |
| *5.* | *Participation of the department in the courses offered by other departments* | : | UG – Common Course |

*6. Number of teaching posts sanctioned and filled*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | Nil | Nil |
| Asst. Professors | 1 | Nil |

*7. Faculty profile*

| Name | Qualification | Designation | Specialization | Years of Experience |
|---|---|---|---|---|
| MS. Saritha K.C. | MA, B.Ed, | Guest Lecturer | Kerala Culture – Nadakam | 5 |
| Ms. Reshma M.K. | MA B.Ed. | Guest Lecturer | Nadakam Adunikasahityam | 2 |
| Mr. Aswin B.S. | MA | Guest Lecturer | Reporting | 2 |
| Ms. Soumya T.K. | MA, M.Ed, | Guest Lecturer | Kerala culture | 2 |
| Dr, Nalini Satheesh | MA, PhD | Visiting Faculty | Pracheena sahitya vyakaranam | 30 |

8. *Percentage of classes taken by temporary faculty – programme-wise information :* UG & PG – 100%

9. *Programme-wise Student Teacher Ratio* **:** UG – 148:1, PG – 8:1

10. *Publications:*
    *Number of papers published in peer reviewed journals (national / International):* 8 Papers

11. *Awards / recognitions received at the national and international level:* Nil

12. *Seminars/ Conferences/Workshops organized and the source of funding (national/International) with details of outstanding participants,:* Nil

13. *Student profile course-wise:*

| Name of the Course | Applications received | Selected | |
|---|---|---|---|
| | | Male | Female |
| MA Malayalam | 52 | 5 | 15 |

14. *Diversity of Students*

| Name of the Course | % of students from the college | % of students from the state | % of students from other States | % of students from other countries |
|---|---|---|---|---|
| MA Malayalam | 15 | 100 | 0 | 0 |

15. *How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :* Nil

16. *Diversity of staff*

| From other Universities within the state | 100% |
|---|---|
| From other universities from other States | 0% |

17. *Present details about infrastructural facilities*
    a.  *Library :* Enough Facility
    b.  *Internet facilities for staff and students :*Enough Facility
    c.  *Total number of class rooms :* UG -2, PG - 2
    d.  *Class rooms with ICT facility :* All Classes

18. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology :*
    Questionnaire & Evaluation Chart

19. *Give details of student enrichment programmes (special lectures/ workshops / seminar) with external experts. :*

| Date | Experts / resource persons | Programms |
|---|---|---|
| 13 Dec 2013 | Smt. Suneetha TV | Bhashasankethikathayum Malayalavum |
| 20 Jan 2015 | Shri T.A. Rasaqe (script writer) | ' Celluloid' - International Film Festival |
| 20 Jan 2015 | Dr.R.V.M. Divakaran (film Critic) | ' Celluloid' - International Film Festival |
| 17 Mar 2011 | Dr. V. Sukumaran, Prof. K. V. Mohanan, Shri. Balakrishnan, Fr. Benny Sebastian. | Ormakalil Azheekode; One day seminar |
| 18 Dec 2012 | Mr. M G S Narayanan | Hand written Malayalam Magazine |

20. *List the teaching methods adopted by the faculty for different programmes.* **:**

    Seminars, Debates, Perform Texts, Visuals.

21. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored*? :Student Evaluation

22. *Highlight the participation of students and faculty in extension activities*:

    In all the activities of the college our students were in the leading role

23. *State whether the programme/ department is accredited/ graded by other agencies. Give details. :* Nil

24. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :*

    - **Strength**: Qualified faculty, Newly obtained PG department, Well qualified visiting faculty, Good stock of books
    - **Weakness**: Permanent post has not yet been sanctioned by the government,
    - **Opportunity**: Malayalam became the official language of the state
    - **Challenge**: Cream students do not prefer Malayalam as their first choice of study

**Evaluative Report of the Department of Statistics (SF)**

1. *Name of the Department & its year*      :      Statistics, 2003
   *of establishment*

2. *Names of Programmes /Courses*      :      M.Sc.
   *offered:*

3. *Interdisciplinary courses and*      :      Nil
   *departments involved*

4. *Annual/ semester/choice based*      :      PG – Semester System
   *credit system*

5. *Participation of the department in*      :      Nil
   *the courses offered by other*
   *departments*

6. *Number of teaching posts sanctioned and filled:*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 1 | 1 |
| Asst. Professors | 2 | 2 |

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | No. of Years of Experience |
|---|---|---|---|---|
| Mathew | M.Sc. | Asso. Prof. | - | 26 |
| Jomon Jose | M.Sc. | Asst Prof. | - | 4 |
| Rejeesh K C | M.Sc. | Asst Prof. | - | 3 |

8. *Percentage of classes taken by temporary faculty – programme-wise information* : Nil

9. *Programme-wise Student Teacher Ratio* : 6:1

10. *Number of academic support staff (technical) and administrative staff: sanctioned and filled:* Nil

*11. Student projects*

- *percentage of students who have done in-house projects including inter-departmental:* 100%
- *percentage of students doing projects in collaboration with industries / institutes:* Nil

*12. Student profile course-wise:*

| Academic year | | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|---|
| Name of the Course | | M.Sc | M.Sc | M.Sc | M.Sc |
| Applications Received | | NA | NA | 30 | 28 |
| Selected | Male | 2 | 1 | 4 | 5 |
| | Female | 9 | 11 | 5 | 7 |
| Pass percentage | Male | - | 50 | 50 | * |
| | Female | 83 | 100 | 89 | * |

*Result Awaited

*13. Diversity of Students*

| Name of the Course | % of students from the college | % of students from the state | % of students from other States | % of students from other countries |
|---|---|---|---|---|
| M.Sc. Statistics | 33 | 100 | - | - |

*14. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?* : Nil

*15. Diversity of staff*

*Percentage of faculty who are*

| *graduates of the same parent university* | 66% |
|---|---|
| *from other universities within the State* | 33% |
| *from other universities from other State* | 0% |

16. *Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.:* 1

17. *Present details about infrastructural facilities*

- **Internet facilities for staff and students**
    - Department has a computer lab for students consists of 6 computers, all of which have internet facility. Also department has 2 computers with internet facility for faculties.
- **Total number of class rooms**
    - There are 2classrooms for PG course
    - Class rooms with ICT facility
    - 1 classroom (PG class) with ICT facility.
- **Students' computer lab with 6 computers**

18. *List the teaching methods adopted by the faculty for different programmes.*

- ICT enabled teaching in one PG class
- Conducting viva voce
- Viva voce is conducted for PG students regularly which makes them to read more and to think more.
- Giving printed study materials
- Printed study materials of certain topics are given to students and based on that a problem solving session is conducted.

19. *Highlight the participation of students and faculty in extension activities.*

- Department as an alumni learning corner
    Department provides room for alumni's to learn, prepare and for combine study for competitive exams.

20. *State whether the programme/ department is accredited/ graded by other agencies. Give details. :* Nil

21.  *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

- **Strength**: Studious students, committed faculty
- **Weakness**: Time constraint to cover syllabus in time, Limited number of students
- **Opportunities**: Job opportunities in Govt. services
- **Challenges**: There is no UG course in Statistics

22.  *Future plans of the department.*

- Training for students
  Allowing students to take class in a school preferably high school which creates interest for teaching in them.
- UGC coaching
- Seminars and Workshops
  To organize workshops and seminars

# Evaluative Report of the Department of Social Work (SF)

1.  *Name of the Department & its year of establishment* : Department of Social Work , 2003

2.  *Names of Programmes/Courses offered* : M.S.W

3.  *Interdisciplinary courses* : Nil

4.  *Annual/ semester/choice based credit system* : Credit Semester system(CSS)

5.  *Participation of the department in the courses offered by other departments* : Nil

6.  *Number of teaching posts sanctioned and filled*

| | Sanctioned | Filled |
|---|---|---|
| Associate Professors | Nil | Nil |
| Assistant Professors | 5 | 5 |

7.  *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | No. of Years of Experience |
|---|---|---|---|---|
| Fr. Binoy Paul | MSW | Asst. Prof. | Medical and Psychiatry | 8 years |
| Rajasree | MSW, M.Phil | Asst. Prof. | Medical and Psychiatry | 3 years |
| Sisir Das | MSW, M.Phil | Asst. Prof. | Community development | 2.5 years |
| Muhammed Ashraf | MSW | Asst. Prof. | Medical and Psychiatry | 1 years |
| Sabu Joseph | MSW, M.Phil | Asst. Prof. | Medical and Psychiatry | 2 years |

8. *Percentage of classes taken by temporary faculty – programme-wise information -* Nil
9. *Programme-wise Student Teacher Ratio* - 8: 1
10. *Number of academic support staff (technical) and administrative staff: sanctioned and filled* - Nil
11. *Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise*. - Nil
12. *Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :* Nil
13. *Publications:* 1
14. *Student projects*

| In-house projects including inter-departmental | 0% |
|---|---|
| Projects in collaboration with industries / institutes | 100 % |

15. *Seminars/ Conferences/Workshops organized and the source of funding with details of outstanding participants, if any.*

- "E Waste –A Question of Future" 2011. Mr. VJ Jose, Director, Periyar River Keeper., Dr. Kurian Joseph, Prof., Anna University, Chennai, Dr. Sunil De Santha, Asst. Prof., TISS, Mumbai.
- "Food Security –A Millennium Challenge" 2012. (fund raised by students) - Dr. Debal Deb, Chair person, Center for Inter Disciplinary Studies, Kolkata.
- "Social Work: Changing Perspectives and Exploring Social Realities" 2013. (UGC) Fr. Joy James, Convener, Kerala State Child Line Forum, Fr. Prashanth Palakkapalli, Principal, SH College, Thevara)
- "Indian Environmentalism : Retrospection of Strategies" (fund raised by students) CR Neelakandan ,Environmental Activist.

16. *Student profile course-wise:*

| Academic year | | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|---|---|---|---|---|
| Name of the Course | | MSW | MSW | MSW | MSW |
| Applications Received | | CAP | CAP | 48 | 52 |
| Selected | Male | 4 | 5 | 9 | 6 |
| | Female | 13 | 13 | 10 | 14 |
| Pass percentage | Male | 67 | 100 | 80 | * |
| | Female | 93 | 100 | 82 | * |

* Result Awaited

*17. Diversity of Students*

| Name of the Course | % of Students from the College | % of Students from the State | % of students from other States | % of students from other countries |
|---|---|---|---|---|
| MSW | 5% | 97.5% | 2.5% | Nil |

*18. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?*

| Competitive examination | No of students |
|---|---|
| NET | 13 |
| GATE | - |

*19. Student progression*

| Student progression Against % enrolled | |
|---|---|
| UG to PG | Nil |
| PG to M.Phil. | 5.49% |
| PG to Ph.D. | 7.69% |
| Ph.D. to Post-Doctoral | Nil |
| Employed<br>• Campus selection<br>• Other than campus recruitment | Nil<br>95% |

*20. Diversity of staff*

*Percentage of faculty who are graduates of*

| *same parent university* | 20% |
|---|---|
| *university within state* | 40% |
| *university outside the state* | 40% |

*21. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Nil*

*22. Present details about infrastructural facilities*

*a. Library-*      No

*b. Internet facilities for staff and students -*      Yes

*c. Total number of class rooms -*      Three

*d. Class rooms with ICT facility -*      Yes

23. *Number of students of the department getting financial assistance from College.* - Nil
24. *Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.* - Nil
25. *Does the department obtain feedback from -*
    a. *Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?* -No
    b. *Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?* –Yes
    c. *Alumni and employers on the programmes and what is the response of the department to the same?* No
26. *List the distinguished alumni of the department*

    | Dr. Rakesh | Asst. professor NIMHANS |
    |---|---|
    | Dr. Rajeev Mathew | Manager ,Federal bank |

27. *Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.*
    - **Personality Development Workshop for fresher batch –Mr.** Aneesh James Project Coordinator, profugo on 19th and 20th September 2014.
    - **Transactional Analysis Workshop-**Manusha Resource Team
    - **Participatory rural appraisal workshop-** Manusha Resource Team
    - **Training of trainers workshop-** Mr.Jobi Babu, Asst. Prof., School of Social Work, Kuttikanam
    - **Street Theatre Workshop-** Mr. Sijo, School of Media Studies, Alleppy
    - **SPSS Training –**Mr. Linish, Asst. Prof., Dept. of Social Work, AWH College of Arts and Science
    - **Workshop on Research Methodology -** Mr.Jobi Babu, Asst. prof., School of Social Work, Kuttikanam
28. *List the teaching methods adopted by the faculty for different programmes.*
    - Lectures
    - Group discussion
    - Role plays
    - Documentary shows
    - Observation visits

29. *How does the department ensure that programme objectives are constantly met and learning outcomes monitored?*
    - Staff meeting
    - Evaluate the progress of the students ( PIE strategy)
    - Planning the monthly events
    - Individual mentoring
    - Remedial classes

30. *Highlight the participation of students and faculty in extension activities.*
    **PRAYAN –Ponoor river conservation project**
    Prayan is a unique venture of the Department of Social Work, which aims at mobilizing the community of Ponnoor Panchayath for conservation of river. The project is currently running in the second phase.
    **CVG-  Child Volunteer Group**
    Child Volunteer Group is a voluntary group formed in collaboration with the Department of Social Work and Child Line. The group aims at ensuring the participation of college students in child protection.

31. *Give details of "beyond syllabus scholarly activities" of the department.*
    - Mini research
    - PRA training
    - SPSS training
    - Medical camps
    - Day observances
    - Rallies
    - Campaigns
    - National  environment awareness campaigns
    - Nature camps

32. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department*

| Strength | Weakness | Opportunities | Challenges |
|---|---|---|---|
| Extension activities | department is situated outside the campus | Students placement | declining quality of course |
| NET holders | excluded from the mainstream activities | Inter collegiate events | open eligibility criteria |
| Journal | departmental infrastructure | Relationship with the disadvantaged sections of the society | low paid jobs |
| National and state level seminars | Poor library facilities | Independence in student recruitment procedure | outdated curriculum |
| Reputation of department among other Social Work departments | Less number of permanent faculty | | no specialized jobs in government sector |

33. *Future plans of the department.*
   - Prayan phase III
   - Orientation programmes for fresh batch
   - Workshops
   - PRA Training
   - National Seminar –Collabre'15
   - Advanced Social Work Journal Volume II

**Evaluative Report of the Department of Hindi**

1.  *Name of the Department & its year of establishment* : Hindi, 1956.

2.  *Names of Programmes/Courses offered* : Second language

3.  *Interdisciplinary courses and departments involved* : Nil

4.  *Annual/ semester/choice based credit system* : NA

5.  *Participation of the department in the courses offered by other departments* : UG – Common Course

6.  *Number of teaching posts sanctioned and filled :*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professors | 1 | 1 |
| Assistant Professors | Nil | Nil |

7.  *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | No. of Years of Experience |
|---|---|---|---|---|
| Lt. P.A. Devasia | MA, M.Phil | Asso. Prof. | Novel | 19 |
| Dr. Antony PM | MA, PhD | Asso. Prof. | Translation | 30 |

8.  *Percentage of classes taken by temporary faculty – programme-wise information :* 30%

9.  *Programme-wise Student Teacher Ratio :* 150:1

10. *Number of faculty with b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise,*

| Funding agency | UGC | |
|---|---|---|
| Type of project | Major Projects | Minor Projects |
| Number of faculty | Nil | 1 |
| Grants Received Rs. | Nil | 1,30,000 |

11. *Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :* Nil

12. *Research facility / centre with*

    - *state recognition :* Nil

    - *national recognition :* Nil

    - *international recognition:* Nil

13. *Publications:*

    - *Number of papers published in peer reviewed journals :* 4

14. *Diversity of staff :*

    *Percentage of the faculty who are graduates*

| *of the same university* | 50% |
|---|---|
| *from other universities within the state* | 50% |
| *from other universities from other states* | - |

15. *Present details about infrastructural facilities*

    a. *Library :* Nil

    b. *Internet facilities for staff and students* : 1 with internet facility

    c. *Total number of class rooms* : 3

    d. *Class rooms with ICT facility :* 2

    e. *Students' laboratories :*Nil

16. *Does the department obtain feedback from*

    a. *faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?* :Special Training

    b. *students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?* :Positive

c. *alumni and employers on the programmes and what is the response of the department to the same?* : Positive

17. ***Highlight the participation of students and faculty in extension activities***.
Debate, social services, blood donation, tree plantation etc.

18. ***Give details of "beyond syllabus scholarly activities" of the department***:
Workshops, lectures by external experts.

19. ***Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :***

- **Strength**: Experienced teachers, studious students
- **Weakness**: Department offers only common courses
- **Opportunities**: National Language, usefulness of the subject
- **Challenge**: Hindi is not used as the medium of communication in Kerala

**Evaluative Report of the Department of French**

1. *Name of the Department & its year of*  : French, 1956.
   *establishment*

2. *Names of Programmes/Courses offered*  : Second language

3. *Interdisciplinary courses and* : Nil
   *departments involved*

4. *Annual/ semester/choice based credit* : NA
   *system*

5. *Participation of the department in the* : UG – Common Course
   *courses offered by other departments*

6. *Number of teaching posts sanctioned and filled*

| Teaching posts | Sanctioned | Filled |
|---|---|---|
| Associate Professor | Nil | Nil |
| Assistant Professor | 1 | 0* |

   * Guest Faculty

7. *Faculty profile with name, qualification, designation, specialization,*

| Name | Qualification | Designation | Specialization | No. of Years of Experience |
|---|---|---|---|---|
| Dr. Jitendra Sharma | MA, M.Phil, PhD, DSA | Associate Professor | Translation | 20  years |

8. *Percentage of classes taken by temporary faculty*:  Nil

9. *Programme-wise Student Teacher Ratio* : 80:1

10. *Diversity of staff : Percentage of the faculty*

| | |
|---|---|
| who are graduates of the same university | Nil |
| from other universities within the state | Nil |
| from other universities from other states | 100% |

11. *Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.* Nil

12. *Highlight the participation of students and faculty in extension activities. :* debate, social services, blood donation, tree plantation etc.

13. *Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :*

| Strength | Weaknesses |
|---|---|
| The only foreign language taught in the college; enthusiastic students | insufficient study materials |
| **Opportunities** | **Challenges** |
| Job opportunities especially in foreign countries | opportunities for higher studies are less |

# Post-Accreditation Initiatives

St. Joseph's College, Devagiri, has been evolving strategies for the sustenance and enhancement of quality in its academic and administrative functioning. The process of accreditation has given the College an opportunity for introspection aiming at identifying its strengths and weaknesses. The post accreditation initiatives of the institution were also aimed at further accelerating the strengths while improving in those areas where the institution has weaknesses. The following are the measures taken after the last accreditation to enhance the quality of the overall functioning of the College.

1. **Curriculum Design and Development:**
   - Seven new UG programmes were introduced during the last five years: BBA, BCA, B.Sc Computer Science, B.Com (Computer Application), B.Sc Psychology, B.A. Functional English and B.A. Mass Communication.
   - A new PG programme, M.A. Malayalam, was also introduced during the period.
   - Departments of Mathematics and Physics were recognised as research centres by the University of Calicut.
   - Over the last five years, the annual intake of students has increased from 536 to 762.
   - The academic flexibility of the college has been substantially enhanced thanks to the autonomous status obtained in 2014.
   - The College has revised its PG curriculum and initiated the process of revising the curricula of its UG programmes.

2. **Teaching, Learning and Evaluation**
   - Induction Programmes are conducted at the College level for the UG and PG students.
   - Remedial classes are organised for slow learners.
   - ICT is extensively used by the teaching faculty.
   - More class rooms have been equipped with LCD.
   - The student feedback system has been made more structured and the same is used in the curriculum revision and teacher evaluation.
   - Teacher quality is enhanced. The College has 44 teachers with Ph.D. Teachers are deputed to orientation programmes, refresher courses and seminars.

- At the initiative of the IQAC, academic audit is conducted by an internal audit team.

## 3. Research, Consultancy and Extension

- Departments of Mathematics and Physics were recognised as research centres of the affiliating university.
- The proposal for an interdisciplinary research project involving Departments of Chemistry and Physics is under revision of KSCSTE.
- During the last four years the faculty of the college were granted 21 minor projects and 8 major projects with a total outlay of Rs. 1,69,06,600.
- The College has launched an international interdisciplinary science journal and a journal of social work.
- The CPE status of the college has been extended to the period 2014-19.
- The PG science departments were awarded FIST assistance during the period.

## 4. Infrastructure and Learning Resources

- The construction of a new five-storied academic block commenced and is nearing completion.
- Facility for vehicle parking of the staff and students has been enhanced.
- The construction of a new women's hostel with 80-bed space has been completed with UGC assistance.
- PTA Hall, conference hall and faculty room got renovated during the period.
- The facilities for sports and games have been substantially improved with the establishment of the gymnasium and the renovation of the stadium.
- The construction of a new indoor stadium with an assistance of Rs. 70,00,000 from the UGC has just started.
- The participation of our students in international sports events has been impressive.

## 5. Student Support and Progression

- New intercollegiate cultural fests, management meets and quiz programmes were launched by the College.
- Lunch Time Concert, a cultural performance during lunch break on Wednesdays emerged as one of the best practices of the institution.
- 122 PG students cleared UGC-CSIR-NET/JRF examination since last accreditation.
- Tutorial system, mentoring and student counselling were strengthened.

**6. Governance, Leadership and Management**

- IQAC is highly functional-it co-ordinates and monitors all the initiatives towards excellence.
- Leadership and management of the college have been made more participatory. Decentralisation and delegation of power were ensured before the appointment of the Vice-Principal and the introduction of deanery system.
- Campus automation was initiated with the aim of developing a full-fledged Management Information System.

**7. Innovation and Best Practices**

- 10 KV solar grid was set up to cater to the energy requirements of the campus.
- IQAC initiated a green audit to assess the environmental impact of the institution.
- One bio-gas plant was constructed in the women's hostel to save energy.
- Introduced blood donation as a social sensitization movement.

**Future Plans**

We propose to

- Introduce more interdisciplinary academic programmes both at UG and PG levels.
- Introduce twinning programmes and integrated programmes.
- Launch online courses.
- To get the Department of Economics elevated as a recognised research centre of the affiliating university.
- Establish a separate block for research and set up an instrumentation centre.
- Enter into MoUs with research institutions and other organisations within and outside the country.
- Take up more collaborative research projects.
- Strengthen the placement cell.
- To do the needful for the adoption of Village- each department an area.
- To build at least one house every year to be given to the deserving economically weaker student (using the contribution from the students & staff).

# Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this   SSR during the peer team visit.

Place: Calicut

Signature of the Head of the institution with seal

Date: 06/12/2015

# Certificate of Compliance

This is to certify that St. Joseph's College (Autonomous), Devagiri, Calicut fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 06/12/2015                 **Principal/Head of the Institution**

Place: Calicut                   (Name and Signature with Office seal)

भारत सरकार
राष्ट्रीय अल्पसंख्यक शैक्षणिक संस्था आयोग
**GOVERNMENT OF INDIA**
**NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS**

गेट नं० ४, प्रथम तल, जीवन तारा भवन, ५, संसद मार्ग
पटेल चौक, नई दिल्ली-११० ००१
Gate No. 4, 1st Floor, Jeevan Tara Building, 5, Sansad Marg
Patel Chowk, New Delhi - 110 001
www.ncmei.gov.in

Dated...........................

## C E R T I F I C A T E

THIS IS TO CERTIFY THAT BY THE ORDER DATED 20TH DAY OF MAY 2013 PASSED BY THE NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS, NEW DELHI IN CASE NO. 10 OF 2013 (ST. JOSEPH'S COLLEGE, DEVAGIRI, CALICUT, KOZHIKODE DIST., KERALA, VS. PRINCIPAL SECRETARY, HIGHER EDUCATION DEPARTMENT, GOVERNMENT OF KERALA), ST. JOSEPH'S COLLEGE RUN BY ST. JOSEPH'S COLLEGE, DEVAGIRI HAS BEEN DECLARED AS A MINORITY EDUCATIONAL INSTITUTION COVERED UNDER SECTION 2(g) OF THE NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS ACT, 2004.

GIVEN UNDER MY HAND AND THE SEAL OF THE COMMISSION ON THIS 20TH DAY OF MAY, 2013.

(JUSTICE M.S.A. SIDDIQUI)
CHAIRMAN

TRUE COPY

Principal
St. Joseph's College, Devagiri

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## UNIVERSITY OF CALICUT

### CERTIFICATE

It is certified that the St. Joseph's College, Devagiri, Calicut – 673008 is affiliated to the University of Calicut and is included under Section 2 (f) list/and 12 (B) of the UGC act and fulfils the eligibility conditions as laid down by the UGC in its guidelines and is, therefore, eligible to receive financial assistance for development of Postgraduate courses as per UGC norms and the college undertakes to utilise the grants for the purposes for which they are sanctioned and would furnish all necessary documents as required in the conditions of grants by the UGC.

It is also certified that the college has the necessary resources and managerial ability to implement the programme to be approved by the UGC in accordance with the conditions prescribed. The development programmes would help improvement of standards of Higher education in the college.

Place : Calicut University,

Date: 21-03-2009.

REGISTRAR,
UNIVERSITY OF CALICUT.

TRUE COPY

TRUE COPY

Dr. Sibichen M. Thomas
Associate Prof. in-charge of Principal
ST. JOSEPH'S COLLEGE, DEVAGIRI
CALICUT - 673 008

Principal
St. Joseph's College, Devagiri

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# ANNEXURE III : 12(B) Certificate

**UNIVERSITY OF CALICUT**

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CALICUT - 673 008

TRUE COPY

Principal
St. Joseph's College, Devagiri

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राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**
*An Autonomous Institution of the University Grants Commission*

## Certificate of Accreditation

The Executive Committee of the

National Assessment and Accreditation Council

on the recommendation of the duly appointed

Peer Team is pleased to declare the

### St. Joseph's College

Devagiri, Calicut, affiliated to University of Calicut, Kerala as

### Accredited

at the **A** level.

Date : May 03, 2004

Director

- This certification is valid for a period of Five years with effect from May 03, 2004
- An institutional score (%) in the range of 55-60 denotes C grade; 60-65 - C+ grade; 65-70 - C++ grade; 70-75 - B grade, 75-80 - B+ grade, 80-85 - B++ grade, 85-90 - A grade, 90-95 - A+ grade, 95-100 - A++ grade (upper limits exclusive)

# Quality Profile

Name of the Institution : St. Joseph's College

Place : Devagiri, Calicut, Kerala

| Criterion | Criterion Score (C) | Weightage (Wi) | Criterion X Weightage (Ci x Wi) |
|---|---|---|---|
| I. Curricular Aspects | 86 | 10 | 860 |
| II. Teaching-learning and Evaluation | 89 | 40 | 3560 |
| III. Research, Consultancy and Extension | 90 | 05 | 450 |
| IV. Infrastructure and Learning Resources | 89 | 15 | 1335 |
| V. Student Support and Progression | 87 | 10 | 870 |
| VI. Organisation and Management | 88 | 10 | 880 |
| VII. Healthy Practices | 86 | 10 | 860 |
| | | 100 | $\Sigma C_i W_i = 8815$ |

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{8815}{100} = 88.15$$

Director

EC/32/'25

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**REPORT ON THE INSTITUTIONAL ACCREDITION OF**
**ST. JOSEPH'S COLLEGE, DEVAGIRI, CALICUT**
( 27th to 29th February 2004)

## SECTION 1 : INTRODUCTION

St. Joseph's College, Devagiri, is a Christian minority institution founded and managed by the St. Joseph's Monastry of the CMI congregation. The institution aims at the formation of socially conscious leaders who are intellectually competent, spiritually enlightened, morally upright, psychologically integrated and physically healthy. The motto,"PRO DEO ET PATRIA" (For God and Country) encapsulates this institution's vision and articulates its commitment to the cause of justice, love, truth and peace. The college was established in January 1956 and was, in its initial years, affiliated to Madras University and later to Kerala University. On the establishment of Calicut University and reallocation of the territorial jurisdictions, the college was affiliated to the Calicut University in the year 1968. Spread over a vast area of 60 acres, the college is located in an urban area in Calicut. The college was converted to a Co-education college in the year 2003.

The college is under aided category and receives grants from both the State Govt. and UGC. The UGC has included the college under 2f and 12B for the purpose of grants in March 1958 and January 1959, respectively. The college offers 30 programmes at the Under-Graduate and Post-Graduate levels in Arts, Science and Commerce faculties. It has a total of 16 Departments with a total faculty of 90, out of which 71 are permanent and 19 are temporary. Among the permanent faculty members , 20 teachers hold Ph.D. degree and 25 possess M.Phil. degree. There are 59 non-teaching staff appointed for the smooth functioning of the college activities. The student strength is 952 at the UG; 219 at the PG and 18 at the Ph.D. level. The student enrolment is 319 in the self

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financing courses. Most of the students are from Kerala State. The cost of education per student is Rs.22,384/- (including salary)and Rs.3,892/- (excluding salary).The number of ongoing research projects is 11 with a total outlay of Rs.30,71,000/-.

St. Joseph's College, Devagiri volunteered to be assessed by the National Assessment and Accreditation Council and submitted Self-Study Report to NAAC in October 2003. NAAC constituted a Peer Team comprising of Prof. S. P. Hiremath, Former Vice-Chancellor, Kuvempu University as Chairman and Prof. B. G. Mulimani, Professor of Physics, Karnataka University Dharwad, and Dr. P. Jeyram, Prinicipal , R.V.S College of Arts and Science, Coimbatore as Members. The Peer Team visited the college during 27th to 29th February 2004. The Team had carefully perused the Self-Study Report before the visit. During the institutional visit, the Peer Team went through the relevant documents, visited the departments, laboratories, co-curricular, extra-curricular, sports and other facilities. The Peer Team also interacted at length with the Management, Principal, teaching and non-teaching staff, students, parents and alumni of the college. Based on the above exercise and keeping in view the seven criteria identified by the NAAC, the Peer Team assessed the college for the quality of the education offered. The assessment of the institution under various criteria, commendable features of the institution and suggestions for further growth are presented below.

## SECTION 2 : CRITERION-WISE ANALYSIS

### CRITERION I : CURRICULAR ASPECTS

The college, being affiliated to the University of Calicut, follows the syllabi prescribed by the University. Most of the courses are traditional ones. The courses at the UG level include B.Sc in Physics, Mathematics,

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Chemistry, Botany and Zoology; B.A in English and Economics ; and B.Com with Income Tax and Law and Practice as optional papers. At the Post-Graduate level, courses in English, Economics, MSW, Mathematics, Physics, Chemistry, Botany, Zoology, Statistics and Commerce are offered. The college also offers BCA, B.Sc in Computer Science, M.Sc (Information Technology), MCA (Regular and Evening)courses under the Off-campus Programmes of Mahatma Gandhi University, Kottayam and the O and A Level courses approved by DOEACC. The professional education courses PE-I and PE-II, in the area of Finance, approved by the Institute of Chartered Accountants of India, are also available to students. The Institute of Cost and Works Accountants of India has accorded sanction to the college to start its foundation course. The temporal plan of the academic work for the conventional UG courses is annual pattern and that for PG courses is semester system.

The curricula are reviewed and revised every three years. To introduce any new programme, within the university system, it takes approximately six months. Though there is limited scope for introducing innovative courses or structural changes in the syllabi as it is designed by the University, teachers of the collage have been contributing to curricular aspects by functioning as members and chairpersons of various Boards of Studies of Calicut University. In the recent restructuring of the UG and PG courses, teachers of the college have made contributions by participating in the Workshops arranged for the purpose.

The programmes offered in the college are, broadly, in conformity with the mission and goals of the institution. However, a systematic feedback needs to be obtained from academic peers to assess the strength of the programmes offered and to introduce newer courses, particularly in social sciences.

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## CRITERION II : TEACHING-LEARNING AND EVALUATION

Students are admitted to various courses based on the past academic record and as per the rules and regulations of the Calicut University and Govt.of Kerala. For the MSW programme, students are selected through entrance test, group discussions and interview and with due weightage being given to their academic records. Out of the total of 279 working days, there were 192 teaching days during the last academic year (2002-03). Teachers make teaching plan for the year. The Academic Monitoring Committee supervises the implementation of the teaching plan and ensures that the entire syllabi is covered.

Many of the departments are equipped with computers, OHP, slide projector, charts and other teaching aids. Efforts are made in the college to supplement the conventional lecture method of teaching by learner-centered methods like project work, seminars, special lectures by experts, field trips and study tours. The Department of Commerce has been active in organizing programmes to familiarize the students with recent trends in Banking, Marketing and Small-Scale Industries and also conducts personality development programmes for them. The research ambience in the college helps and encourages the advanced learners to work ahead of the rest. Special/Remedial classes are conducted to help the educationally disadvantaged students.

The performance of the students is monitored, throughout the year, by conducting tests and seminars and two Terminal and one Model Examinations. The college has implemented a system wherein a tutor monitors the behavior and academic performance of the students under his/her care and keeps in touch with parents of the students.

4

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Teachers are recruited as per State Govt., UGC and University norms. Of the total 71 permanent teachers, 19 hold Ph.D. degree, 25 teachers possess M.Phil. degree. Presently there are 19 temporary teachers. Teachers are encouraged to attend refresher and orientation courses, seminars/conferences/workshops, both as participants and as resource persons. Many teachers have written text books and reference books. Two teachers of the college have received Broad Outlook Learner Teacher Award (BOLT), instituted by Malayala Manorama Daily and Air India.

Self appraisal method of teacher evaluation exists in the college. Students also evaluate the teachers. The Academic Monitoring Committee supervises the conduct of student evaluation of teachers. The response is analyzed and corrective measures are taken for improvement.

The College takes interest in the overall development of the faculty. A course on 'Software Applications' was organized by the Management for the benefit of the staff. The Staff Council in the college conducted, for teachers, a one day seminar on 'Adolescent Psychology and Counselling '.

The Peer Team is pleased to observe that the PTA in the college monitors closely, all the teaching, learning and evaluation processes. The performance of the UG and PG students at the University Level examinations is very satisfactory.

## CRITERION III : RESEARCH, CONSULTANCY AND EXTENSION

Research activity should be an integral part of any Department which offers Post-Graduate courses. The college promotes research culture on the campus. The Departments of Botany and Zoology are approved Research Centers. Nearly 50% of the faculty is engaged in active research. Three teachers are recognized guides. Of the 11 research

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students, 6 are full-time and 5 are part-time scholars. 15 teachers are pursuing research degrees. Adjustments in teaching schedule are done to help teachers involved in research work. Five Ph.D. degrees have been awarded during the last 5 years and a good number of research papers have been published.

The Research Advisory Committee in the college helps teachers to submit research proposals to various funding agencies. The Peer Team is pleased to note that, presently four teachers have major projects and six teachers are operating minor projects. In all there are 11 ongoing projects in the college with the total outlay of Rs.30.71 lakhs. Further, the Peer Team appreciates that the Departments of Botany and Zoology have succeeded in receiving from DST, under the FIST programme, Rs.16/- lakhs and Rs.8/- lakhs, respectively. Under the IX Plan Period, Departments of Botany, Zoology and Mathematics had received, Rs.3/- lakhs each, for developmental activities.

The concept of formal consultancy is yet to take roots in the college. The Department of Statistics offers expertise in data analysis. The science departments provide free assistance to schools in the neighborhood to setup laboratories. Some teachers of the college promote the use of 'Free Software' such as Linux. The Department of Botany has planned to extend the facilities available in its Tissue Culture Laboratory to the public.

Staff and students of the college are involved in various extension activities. The Peer Team is happy to observe that the activities are not sporadic but properly institutionalized. The activities in different areas are undertaken by different organizations/forums/clubs - such as NCC-Army wing, NCC-Navy Wing, NSS(3units), Compulsory Social Service Scheme (CSS), Nature Club/Green Club, Blood Donors Forum, etc. The

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NSS units of the college undertake well-thought out projects. In the ten day annual camp, NSS organizes activities in consultation with various local bodies. The NSS units have been undertaking activities like construction of roads, play ground for schools and participating in the Green Kerala Programme launched by the Govt. of Kerala. The NSS volunteers are involved in periodic cleaning of Beach Hospital premises. The NCC cadets are also involved in cleaning the premises of hospitals in the city. The various organizations in the college are involved in social service activities like Blood Donation and providing financial assistance for free food and medicine to poor patients. Various awareness activities concerning health and hygiene, Aids, Environment, etc., are also undertaken in the college. Many members of the college staff are engaged in charitable activities and contribute generously to the OSANAM free food project.

## CRITERION IV : INFRASTRUCTURE AND LEARNING RESOURCES

The college has a sprawling campus of 60 acres. The master plan of the college envisages the future expansion of the institution arising from challenges in the field of higher education. The college has most of the required support facilities like Central Library, Computer Center, Sports facilities, Hostel, Canteen, Post Office, Bank, etc. The college also has a Main Auditorium, Mini Auditorium, a Seminar Hall, and an Open air Stage. Recently, the Management has spent nearly Rs.60/- lakhs towards construction, repair and renovation of buildings and modernization and up-gradation of laboratories. Maximum utilization of infrastructure facilities is ensured. The college encourages the use of its academic and sports facilities by external agencies.

The Library in the college contains a total of about 50,000 books and 108 journals/periodicals. The library has a Book Bank facility with 3000

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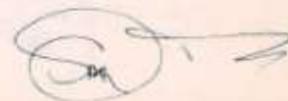
volumes. It is equipped with reprographic facility, computers, audio and video cassettes and internet facility. The library is kept open on all working days between 8.30 a.m. to 5 p.m. and has open access system. The automation of the library is being completed.

There is Central Computer facility in the college. It is accessible from 9 a.m. to 4.30 p.m. on all working days. Most of the departments have departmental libraries and have computers of their own. In all there are 144 computers. The computers are maintained through AMC with the suppliers and local distributors.

The college has excellent sports facilities. The eight-lane track stadium of the college is only one of its kind in Calicut. There are grounds for football and cricket; and courts for basketball, shuttle badminton, ball badminton and volleyball. Sports pavilion with facilities for accommodation exists. The Peer Team is pleased to note that students of the college have distinguished themselves in various events at the District, University, Inter-University, State, National and International levels. It may be noted that the college has won the athletic championship at the University level seventeen times. The college provides all the encouragement needed to promising sportspersons. Tracksuits and jerseys are provided to all the players. Outstanding sports persons are given cash awards and prizes and also felicitated on important occasions. It is worth mentioning that late Mr.Jimmy Goerge, the first Keralite to win the Arjuna Award and the first Indian to play in the Italian League was the student of this college. The Jimmy George Foundation Scholarship is awarded to the best athlete of the college every year.

There is a Boy's hostel attached to the college and can accommodate 115 students. Girl students are provided accommodation in various hostels

run by Rev.Sisters of various religious congregations. The college also has a few quarters for the members of teaching and non-teaching staff. The college guest house is used for resource persons for various programmes and distinguished guests.

## CRITERION V : STUDENT SUPPORT AND PROGRESSION

The college prospectus is printed annually giving details of admission procedures, programmes offered, tuition fees, duration of terms, scholarships and information regarding co-curricular and extra-curricular activities. The prospective students can access information about the college through the college website.

The percentage of the students appearing for the qualifying examination after the minimum period of study is 88% at the UG(2002-03) level and 91% at the PG level (2000-02). The dropout rate is 31% and 8% at the UG and PG levels, respectively. The performance of the students at the university examinations is very good and as many as 124 students have secured First and Second Ranks . The Peer Team is pleased to note that 64 students of the college have cleared UGC-CSIR (NET) Examination and 31 the UGC-CSIR(JRF) Examination, which is a credit to any institution.

The college makes efforts to secure various scholarships from Central and State Governments to deserving students. A number of institutional scholarships (around 28) are also available to students. The Student Welfare Fund raises funds from the staff of the college to extend financial assistance to poor and needy students.

The college has a Career Guidance Cell which provides information regarding career opportunities. It also organises programmes/seminars to train students to face the challenges in the field of higher education and job market. Teachers also participate in academic and personal

counselling through the tutorial system operative in the college. The tutors interact with the students put under their care and provide meaningful personal counselling. The Entrepreneurial Club of the college organizes programmes to motivate students to start their own business or industrial ventures. Plans are afoot to start an Employment Cell and the PTA has allotted funds to create a database of students in view of future campus recruitments.

There is an active Alumni Association in the college. It has taken up the task of creating a database of the former students of the college. The Association has thought of several projects marking the Institutions Golden Jubilee Celebration to be organized in 2005-2006.

There are various associations, Forums and Clubs to nurture the talents of students and help in all round development of the personality of the students.The Department of Commerce is organizing regularly an event called COM-FEST where the students and staff from various Commerce Colleges participate. The various recreational/leisure time facilities include - Indoor and Outdoor games, Nature Club, Cultural Programmes, Student Magazine, Audio-Video facilities and picnics.

## CRITERION VI : ORGANIZATION AND MANAGEMENT

The College Council is the important body which discusses all administrative and academic matters and frames and implements policies for the efficient functioning of the college. The Principal is the chairman of the Council with Heads of Departments as members. Two elected members of the staff are also included in the College Council for the efficient implementation of its decisions. The day-to-day administration of the college is vested with the Principal who is assisted

by various committees which are constituted for the smooth functioning of the college.

There is an Academic Calendar Committee, whose members are elected at the general staff meeting every year. The committee prepares the College Hand book containing the information regarding the programmes offered, admission procedure, disciplinary rules and regulations, etc. There are other committees like College Development Council, the Planning Committee, the Committee for Internal Examinations, the Academic Monitoring Committee and the Finance Committee.

The Principal monitors the work efficiency of the non teaching staff and holds periodic meetings with them to improve the efficiency and to attend to grievances, if any. During the last academic year, the college arranged a workshop to make the members of the non-teaching staff computer literate. They were also deputed to attend the computer training programmes conducted by the university. Keeping in view the computerization of the library, the librarian was sent for higher studies.

The Devagiri College Employees' Co-operative Society, with a turnover of Rs.2.66 crores during 2002-03, has a number of saving schemes and loan facilities. The Society also provides financial support to poor and deserving students. The other welfare programme of the college is the Student Welfare Fund for needy and poor students.

There is a Grievance Redressal Cell , with the Principal as Convenor, to redress the grievances of the staff and students. The Cell looks into complaints, makes enquiries if necessary and finds solution acceptable to all.

The Management has plans to start Post-Graduate programmes in Microbiology, Biotechnology, Food Technology, Travel and Tourism, Journalism, Business Administration and Biomedical Instrumentation in the near future. The institution is taking steps to upgrade many of the departments to Research Centres. Efforts are being made to raise the funds.

## CRITERION VII : HEALTHY PRACTICES

An organization known for upholding values manages the college. It has been able to embark upon several healthy initiatives. A number of committees involving teachers are constituted to look after the all round development and welfare of students. The mechanisms adopted to undertake, implement and monitor the various activities in the college have inbuilt checks, which ensure quality.

> Results of examinations are critically analyzed in general staff meetings which promotes healthy competition among the various departments.

> Various councils and committees like the College Development Council, the Planning Committee the Finance Committee etc. contribute to strategic planning and help in implementing the projects for the development of the institution. Participatory approach in decision making is adopted.

> The Parent Teachers Association has been playing a key role in the growth of the college.

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> Considerable efforts have been put into introducing self-financing courses, particularly, in the area of Computer Science. This has contributed in strengthening the regular academic programmes.

> A large number of activities are organized in the college under the auspices of various Forums like NCC, NSS, CSS to inculcate values and sense of civic responsibility among the students. 'Community Orientation' to the education offered is provided by involving students in activities such as cleaning hospital premises, organising assistance in cash/kind to sick and the destitute.

> Opportunities are provided to help develop various skills like communication, use of information technology and to work as a part of team or independently.

> The Management is responsive to the changes taking place in the society and in the field of higher education.

The Peer Team is pleased to observe cordial relationship prevailing between Students, Staff and Management which sustains and promotes a healthy campus life.

## SECTION 3 : OVERALL ANALYSIS

St. Joseph's College, with a history of nearly half a century, has made considerable progress to achieve the goals and objectives of its founding fathers. The college is offering quality education and making all efforts for the all round development of the personality of the students to face the challenges arising from globalization. The college with the available excellent infrastructure facilities and dedicated Principal, Management and Staff, shows considerable promise of growth. The commendations

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and suggestions given below are just intended to point out the strengths and weaknesses of the institution so that needed steps may be taken to further enhance the quality of education offered in the college.

## COMMENDATIONS

> Spending of nearly Rs.60/- lakhs, recently, by the Management, on repair, renovation and upgradation of infrastructure facilities in the college.

> Switching to co-education reflects Management's responsive attitude towards changes taking place in the field of higher education.

> Well kept spacious class rooms, well equipped laboratories, good Zoology and Botany Museums and well maintained Botanical Garden with a Greenhouse.

> Well maintained spacious main library with xerox and internet facilities and also libraries in some Departments.

> Excellent sports facilities and very good performance of students at sports meet at all levels.

> The performance of the students at University and UGC-CSIR ( NET and JRF) examinations.

> Research ambience in the college, significant number of research projects and the amount of funding attracted from various agencies.

> Computer Center with a large number of systems and availability of computers in many Departments.

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> Dedicated Principal and his staff , supportive Management and disciplined and motivated Students.

While commending the good features and practices, the Peer Team would like the Management and the college to consider the following suggestions.

## SUGGESTIONS

> Courses like Biotechnology, Microbiology, Biochemistry, Food Science, Journalism and Mass Communication, Tourism , and Management be started soon, in phased manner.

> More self-financing courses be offered to augment the finance of the college.

> College may take initiative to develop the practice of offering consultancy in different fields.

> College may think of having an independent library building, may be with the assistance from UGC. The library hours be extended.

> Xerox and internet facilities be made available to students at reasonable rates.

> Facility for indoor games and Multi-Gym be created. A Lady Physical Instructor be appointed.

> Training for competitive examinations be started in the college.

> Canteen facility be upgraded in commensurate with the standard of other facilities in the college.

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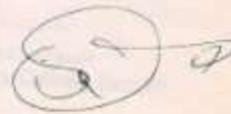
- In view of the good research work being done in the college, a Research Centre may be established for carrying out R & D work on medicinal plants and other areas.

- Efforts be made to acquire autonomous status to the college.

The Peer Team appreciates the efforts of the Principal and the Steering Committee members in preparing a well documented Self-Study-Report. The Peer Team wishes to thank the Principal, Staff and Management for their co-operation during the visit.

NAMES AND SIGNATURES OF THE PEER TEAM MEMBERS.

PROF. S. P. HIREMATH
    CHAIRMAN                                         29.2.07
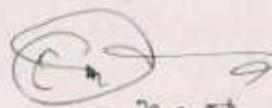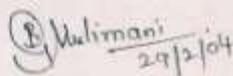
PROF. B. G. MULIMANI                        B. Mulimani
    MEMBER                                           29/2/04
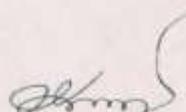
DR. P. JEYRAM
    MEMBER                                           29/2/04

I have gone through the report and I agree with the contents of the report.
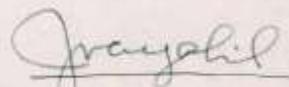
Rev. Fr. V.T. JOSEPH
PRINCIPAL
**Principal**
**St. Joseph's College, Devagiri**

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राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

# Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the

St. Joseph's College

Devagiri, Calicut, affiliated to University of Calicut, Kerala as

Accredited

with CGPA of 3.63 on four point scale

at A grade

valid up to January 07, 2016

Date : January 08, 2011

Director

## NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

# Quality Profile

**Name of the Institution** : St. Joseph's College

**Place** : Devagiri, Calicut, Kerala

| Criteria | Weightage ($W_i$) | Criterion-Wise Grade Point Averages ($Cr_i GPA$) | $W_i \times Cr_i GPA$ |
|---|---|---|---|
| I. Curricular Aspects | 050 | 3.40 | 170 |
| II. Teaching-Learning and Evaluation | 450 | 3.83 | 1725 |
| III. Research, Consultancy and Extension | 100 | 3.40 | 340 |
| IV. Infrastructure and Learning Resources | 100 | 3.35 | 335 |
| V. Student Support and Progression | 100 | 3.70 | 370 |
| VI. Governance and Leadership | 150 | 3.36 | 505 |
| VII. Innovative Practices | 050 | 3.70 | 185 |
| Total | $\sum_{i=1}^{7} w_i = 1000$ | | $\sum_{i=1}^{7}(W_i \times Cr_i GPA) = 3630$ |

$$\text{Institutional Score} = \frac{\sum_{i=1}^{7}(W_i \times Cr_i GPA)}{\sum_{i=1}^{7} W_i} = \frac{3630}{1000} = \boxed{3.63}$$

Grade = $\boxed{A}$          Descriptor = $\boxed{\text{VERY GOOD}}$

**Date : January 08, 2011**

*Director*

* This certification is valid for a period of *Five* years with effect from January 08th 2011
* An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
* Scores rounded off to the nearest integer

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*Peer Team Report on*

**Institutional Assessment & Accreditation**

*of*

**St Joseph's College, Devagiri**

**Calicut**

**Kerala**

Dates of Visit :

7th, 8th, 9th October, 2010

National Assessment and Accreditation Council

Bangalore
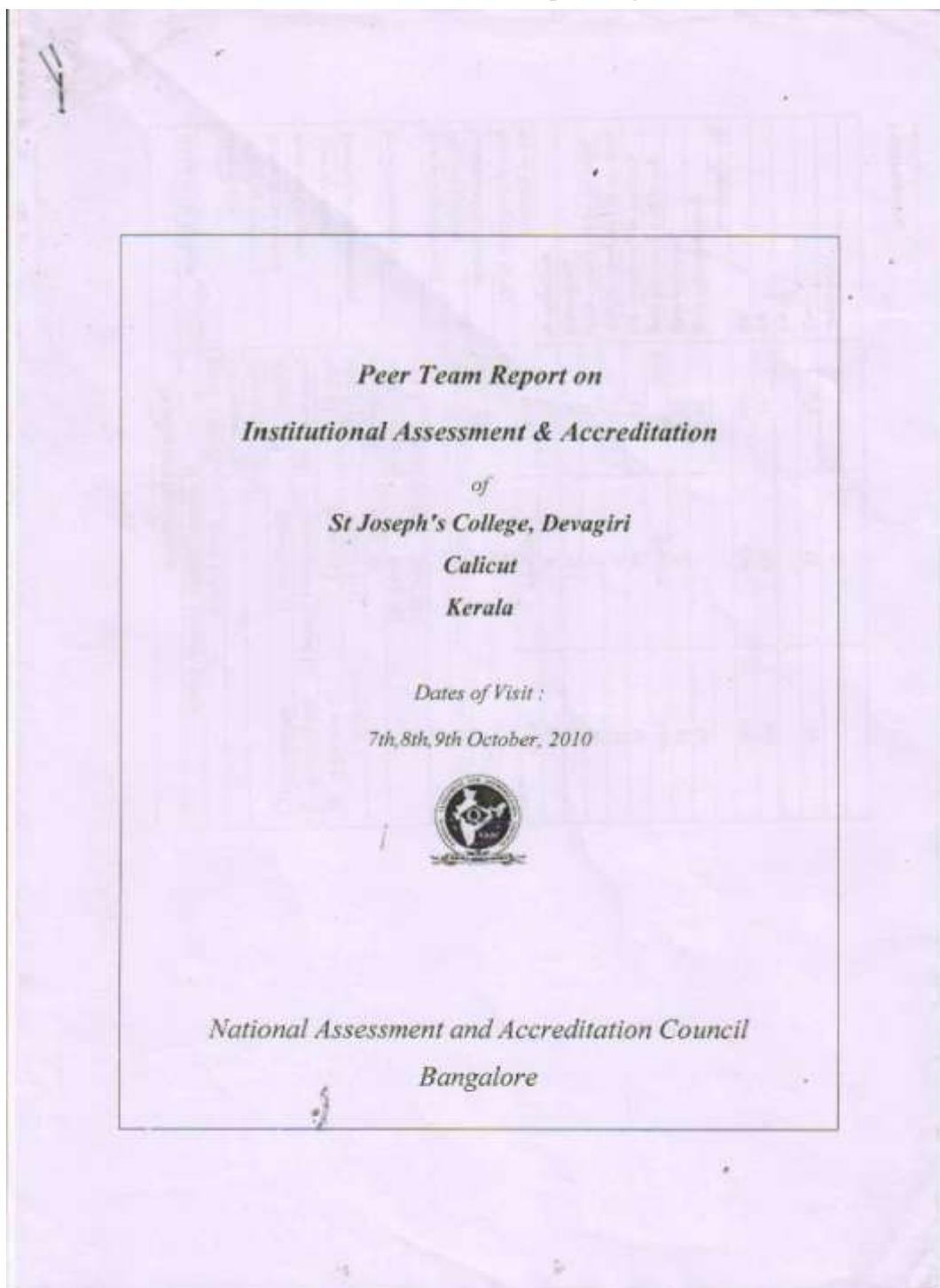
| Section I : | General Information | |
|---|---|---|
| 1.1 Name & Address of the institution | St. Joseph's College, Devagiri, Calicut-673008,Kerala | |
| 1.2 Year of Establishment | 1956 | |
| 1.3 Current Academic Activities at the institution (Numbers) | UG: 8, PG:10 ,Ph.D.: 4 | |
| • Faculties/Schools: | 3 | |
| • Departments/Centres: | 12+3 (up to UG II year level) | |
| • Programmes/Courses offered: | 22 | |
| • Permanent Faculty Members: | 64 | |
| • Permanent Support Staff: | Technical : 24 | |
| | Non Technical: 16 | |
| • Students | 1335 | |
| 1.4 Three major features in the institutional context (As perceived by the Peer Team): | • College provides excellent academic ambience<br>• Dedicated to fulfilment of Mission and Vision<br>• The College is recognized as a potential centre of excellence | |
| 1.5 Dates of visit of the Peer Team; | 7th,8th,9th October, 2010 | |
| Composition of the Peer Team which undertook the on-site visit: | | |
| Chairperson | Prof. S. N. Hegde,<br>Former Vice-Chancellor, University of Mysore | |
| Member Coordinator | Dr. Kavita Rege, Principal, Sathaye College, Mumbai 400057, Maharashtra | |
| Member | Prof.K.Venugopala Rao, Prof.of Management sciences, S.K.University, Anathapur | |
| NAAC Officer | Mr.B.S.Ponmudiraj, Assistant Adviser, NAAC | |

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| Section II: Criterion wise analysis | |
|---|---|
| **Criterion 1. Curricular Aspects** | |
| 2.1.1 Curriculum Design and Development | • Vision and mission clearly stated and actively pursued<br>• Introduction and CBCS is a good move<br>• 13 teachers on BOS of Calicut University |
| 2.1.2 Academic Flexibility | • Few new Courses introduced<br>• Academic flexibility restricted to University norms<br>• Programmes available to International students |
| 2.1.3 Feedback on Curriculum | • Very active Parent Teacher Association<br>• Teacher assessment by students<br>• Informal feedback from alumni |
| 2.1.4 Curriculum Update | • In accordance with the University decision<br>• Some additional inputs to students through ICT-enabled pedagogy |
| 2.1.5 Best Practices in Curricular Aspects | • Regular assessment<br>• Soft skills development<br>• Personal mentoring |
| **Criterion 2. Teaching-Learning and Evaluation** | |
| 2.2.1 Admission process and student profile | • Transparent process<br>• Equity ensured by following Government norms<br>• Highly competitive admission process |
| 2.2.2 Catering to diverse needs | • Weak learners and advanced learners identified and catered to<br>• Bridge courses offered in some departments<br>• Tutorial system for UG as well as PG<br>• Software for visually impaired |
| 2.2.3 Teaching-learning Process | • Classroom teaching augmented by seminars, field trips, projects etc.<br>• Use of modern teaching aids<br>• Teaching modified as per student feedback |

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| | |
|---|---|
| 2.2.4 Teacher Quality | • Appointment as per Govt. and University norms |
| | • Teachers encouraged for career development |
| | • Teachers have won awards and recognition |
| 2.2.5 Evaluation process and reforms | • Assessment procedure communicated to students |
| | • Continuous internal evaluation through various methods |
| | • Effective grievance redressal mechanism |
| 2.2.6 Best Practices in Teaching-Learning and Evaluation | • Students counseling and career guidance |
| | • PTA monitors students progression |
| | • Grievances redressal mechanism |
| **Criterion 3. Research Consultancy and Extension** | |
| 2.3.1 Promotion of research | • Good encouragement under FIP and assistants for conferences |
| | • Grant from internal funding agencies |
| | • 4 departments are approved research centers |
| 2.3.2 Research and publication output | • Good number of paper published |
| | • More than Rs.81 lakhs research outlay through various agencies |
| | • Some Teachers have written Text books and Distance education learning material |
| 2.3.3 Consultancy | • Free consultancy to society through social work |
| | • Plans to make expertise available to common people |
| 2.3.4 Extension activities | • Very active NSS and NCC Units and Nature Club |
| | • Infrastructure used for conduct of different exams, sports etc. |
| | • Some collaborative work with NGOs |
| 2.3.5 Collaborations | • Collaboration with palliative centre of Medical College |
| | • MOU with CWRDM |
| | • 8 National and 2 International collaborations |
| 2.3.6 Best Practices in Research, Consultancy & Extension | • Active social service by students, Eg. blood donation |
| | • Good research and publication output |

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| Criterion 4. Infrastructure & Learning Resources | |
|---|---|
| 2.4.1 Physical facilities | • Very good infrastructure for academic activities and athletics<br>• Continuous upgradation of infrastructure<br>• Optimum utilization of infrastructure |
| 2.4.2 Maintenance of infrastructure | • Proper maintenance of facilities<br>• Allocation of funds for upkeep<br>• UGC and State Government funding used |
| 2.4.3 Library as a learning resource | • Well stocked and fully computerized Library with audio video support<br>• Good budgetary allocation for Library<br>• E-journals and Digital library |
| 2.4.4 ICT as learning resources | • Adequate number of computers and other devices like LCD, CD/DVD Player, etc.<br>• Regularly updated website<br>• Maintenance and upgrading of computers on regular basis |
| 2.4.5 Other facilities | • Hostel for boys and girls<br>• Good sports facilities for sports and fine arts<br>• Rain water harvesting , Botanical Garden, Internet and Reprographic facilities |
| 2.4.6 Best Practices in Infrastructure and Learning Resources | • Computer Centre donated by alumni for vocational training of college and outside students<br>• Parent Teacher Association supports as and when needed for AMC<br>• Eight-lane track playground, museum in Zoology and tissue culture in Botany Depts. |
| Criterion 5. Student Support and progression | |
| 2.5.1 Student Progression | • Social equity as per Govt. norms<br>• Good number pursuing higher studies<br>• University rank holders every year |
| 2.5.2 Student support | • Informative prospectus<br>• Counselling, placement, entreprenenerial skills development cells offer students support<br>• Scholarships and student welfare fund |

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| | |
|---|---|
| 2.5.3 Student activities | • Good support for sports |
| | • Active Alumni association and student council |
| | • Publication of student articles under various in house news and journals |
| 2.5.4 Best Practices in Student Support and Progression | • Good support for skill development |
| | • Good academic and sports performance |
| | • Efficient Tutorial System |

**Criterion 6. Governance and Management**

| | |
|---|---|
| • 2.6.1 Institutional vision and leadership | • Clearly stated and pursued |
| | • Different committees to ensure smooth functioning |
| | • Regular PTA / Staff / Alumni meetings for feedback |
| 2.6.2 Organizational arrangements | • Governing body takes active interest |
| | • College council assists in day to day governance |
| | • Decentralised administration through various bodies and team work |
| 2.6.3 Strategy development and deployment | • Institution plans to upgrade department to status of research centre |
| | • Well-planned developmental projects |
| | • Infrastructure development used towards institutional development |
| 2.6.4 Human Resource Management | • Faculty and Non-teaching staff encouraged for self development |
| | • Student feed back for improvement in teaching |
| | • Congenial work culture |
| | • Residential facility on campus premises |
| | • Loans facilities through Co-operative Credit Society |
| 2.6.5 Financial management and resource mobilization | • Proper budgetary allocation for various heads |
| | • Accounts are regularly audited by external agency |
| 2.6.6 Best Practices in Governance and Management | • Good academic ambience |
| | • Proper utilization of H.R. and Finances |
| | • Healthy work culture coupled with discipline |

**Criterion 7. Innovative Practices**

| | |
|---|---|
| 2.7.1 Internal quality assurance system | • Effective student feed back |
| | • Effective role of PTA in monitoring quality |
| | • No. of committees involved in quality assurance |

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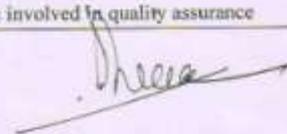
| 2.7.2 Inclusive practices | • Reservations and scholarships as per Government norms |
|---|---|
| | • Differently abled catered to |
| 2.7.3 Stakeholder relationships | • Active PTA and alumni contribute in academic, co- and extra curricular activities |
| | • Grievance redressal Cell |

| Section III. Overall Analysis | |
|---|---|
| 3.1  Institutional Strengths | • Strong support by Governing Body |
| | • Encouragement to quality enhancement |
| | • Strong PTA |
| 3.2 Institutional Weaknesses | • Accounting procedures still not computerized |
| | • Salaries paid through treasury |
| | • No. of teaching post yet to be filled in |
| | • Payment to NET/JRF qualified staff is inadequate |
| 3.3 Institutional Opportunities | • Opportunities to open new branches like MBA, Journalism, Tourism |
| | • Language departments like French and Hindi can be upgraded to full fledged departments. |
| | • College may acquire Autonomous status |
| | • Collaboration with IIM and NIT |
| | • Outreaching in Middle East |
| 3.4 Institutional Challenges | • To obtain greater flexibility from Government/University |
| | • Expansion of hostel facilities |
| | • Greater thrust on sports to obtain National focus |
| | • Increased inter-disciplinary approach in teaching and research |

| Section IV : Recommendations for Quality Enhancement of the Institution |
|---|
| • Inter-disciplinary approach for teaching and research |
| • Strengthening faculty by filling all vacancies |
| • Preference to be given to NET/JRF qualified candidates in appointments |

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- New attempts to be made to sign MOU with IIM, NIT and other Central/ State Govt. institutions
- Higher facilities for sports and games ( a strong area) to have National focus
- Enhancement of intake in both UG and PG programmes to optimize the available facilities
- Co-ordination of efforts for training-coaching of those aspiring to qualify in NET/JRF, IAS, IPS, IFS and other professional courses like Chartered Accountancy, Costs and Works, Company Secretaryship etc.
- Establishment of a full-fledged Placement Cell
- Obtaining greater support and involvement from alumni and parents based on projected direction of growth and development

I agree with the observations of the Peer Team as mentioned in the report.

Signature of Head of the Institution
Seal of the Institution

Principal, St. Joseph's College
Devagiri. Calicut-673 008

**Signatures of Peer Team Members:**

| Name and Designation | | Signature with date |
|---|---|---|
| Chairperson | Prof. S.N. Hegde | |
| Member Co-coordinator | Dr. Kavita Rege | 9/10/10 |
| Member | Prof. K.Venugopala Rao | 9/10/10 |
| NAAC Officer | Mr. B.S.Ponmudiraj | |

Date: 9th October, 2010
Place: Calicut

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## Profile of the College

| Name of the College | St. Joseph's College, Devagiri, Calicut | | |
|---|---|---|---|
| | Place : CALICUT | State: KERALA | |
| Date of visit | 7-9 October 2010 | | |
| Affiliating University | University of Calicut | | |
| Status of the college | Affiliated ☑ | Constituent ☐ | Autonomous ☐ |
| Financial Category | Grant-in-aid ☑ | Government Funded ☐ | Self financing ☐ |
| Type of college | Men ☐ | Women ☐ | Co-education ☑ |
| Number of Departments | Arts: 2+1* | Science: 5+1* | Commerce: 1 |
| | Any other: Nil | Total :-10 | |
| No. of Programmes | UG: 8    PG: 10 | MPhil: Nil | |
| | PhD: 4    Any other: Nil | Total: 22 | |
| Year of Establishment | 1956 | | |
| UGC recognition | Under 2(f) and 12B: | Yes 2(f) 9-3-1958 | 12B- 1-1-1959 |
| Location of the College | Urban ☑ | Semi-urban ☐   Rural ☐ | Tribal ☐ |
| Area of Campus(in acres) | 60 Acres | | |

| No. of Teachers | Men | Women | Total |
|---|---|---|---|
| Permanent: | 60 | 4 | 64 |
| Temporary | 6 | 22 | 28 |
| Total no. of Teachers – Ph.D | 35 | 1 | 36 |
| Total no. of Teachers –M.Phil | 14 | 2 | 16 |
| Total no. of Teachers – PG | 17 | 23 | 40 |
| No. of Non-Teaching staff | Men | Women | Total |
| Technical staff | 22 | 2 | 24 |
| Administrative staff | 16 | - | 16 |
| No. of students | | | |
| UG | 369 | 636 | 1005 |
| PG | 42 | 263 | 305 |
| MPhil | - | - | - |
| Ph.D | 13 | 12 | 25 |
| Any other | - | - | - |

* Self Financing
**As highest qualification

| Name | Signature with date |
|---|---|
| 1.  Chairperson-Prof. S N Hedgde | |
| 2.  Member Coordinator-Dr.Kavitha Rege- | |
| 3.  Member-Prof. K Venugopala  Rao- | |
| 4.  NAAC Officer-Mr.B S Ponmudiraj | |
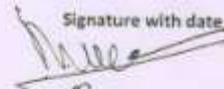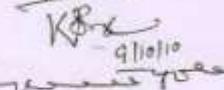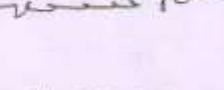
Signature of the Principal with seal

Principal, St. Joseph's College
Devagiri  Calicut-673 008