

4.8

Department of Statistical Sciences

1. Name of the Department : Department of Statistical Sciences
2. Year of establishment :2008
3. Is the Department part of a School/Faculty of the university? Yes
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) : PG
5. Interdisciplinary programmes and departments involved: Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :Nil
7. Details of programmes discontinued, if any, with reasons :Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System : CCSS
9. Participation of the department in the courses offered by other departments: Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others): Nil

| | Sanctioned | Filled | Actual (Including CAS & MPS) |
|-----------------------------------|------------|--------|------------------------------|
| Professor | | | |
| Associate Professor | | | |
| Asst .Professor | 1 | - | - |
| Others | | | |
| Course Director | 1 | 1 | 1 |
| Assistant Professor (on contract) | 4 | 4 | 4 |

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D./ M.Phil. Students guided for the last 4 Years |
|--------------------|----------------------|---------------------|--------------------|----------------------------|--|
| Dr.M.Kumaran | M.Sc., M.Phil, Ph.D. | Course Director | Operation Research | 35 | 6 |
| Praseeda P. | M.Sc. | Assistant Professor | Econometrics | 4 | |
| Surayya M. | M.Sc. | Assistant Professor | Operation Research | 4 | |
| Prasannaakumari M. | M.Sc. | Assistant Professor | Biostatistics | 3 | |
| Nithya K.U. | M.Sc. | Assistant Professor | Biostatistics | 1 | |

12. List of senior Visiting Fellows, adjunct faculty, emeritus Professors
The following Senior Professors are frequently invited to the Department for giving Lectures/conducting workshops, etc.

| Sl.No | Name |
|-------|---|
| 1. | Prof.Dr.C.Chandran, Calicut University |
| 2. | Prof.Dr.M.Manoharan, Calicut University |
| 3. | Prof.Dr. N.Raju ,Calicut University |
| 4. | Prof.Dr.N.Balakrishna, CUSAT |
| 5. | Prof.Dr.SreekumaranNair, Manipal University |
| 6. | Prof.Dr. B Ismail, Mangalore University |

13. Percentage of classes taken by temporary faculty – programme-wise information
14. Programme-wise Student Teacher Ratio :1:10
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: Nil.
16. Research thrust areas as recognized by major funding agencies: Biostatistics.
17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. : Nil.
18. Inter-institutional collaborative projects and associated grants received: Nil.
a) National collaboration b) International collaboration
19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. :Nil.
20. Research facility / centre with
- state recognition
 - national recognition
 - international recognition
21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil.
22. Publications:
- Number of papers published in peer reviewed journals (national / international): 17
 - Monographs: Nil.
 - Chapters in Books: 1
 - Edited Books: Nil.
 - Books with ISBN with details of publishers: 1
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average
 - h-index
23. Details of patents and income generated: Nil.
24. Areas of consultancy and income generated: Data analysis/Research Methodology/Project Preparation.
25. Faculty selected nationally/ internationally to visit other laboratories/ institutions / industries in India and abroad: Nil.

26. Faculty serving in
 - a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (please specify): Nil.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). 1
28. Student projects :70 students over the last 4 years
 - percentage of students who have done in-house projects including inter-departmental projects: 50%
 - percentage of students doing projects in collaboration with other universities / industry / institute :50%
29. Awards / recognitions received at the national and international level by: Nil.
 - Faculty
 - Doctoral / post doctoral fellows
 - Students.
30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

| Year | Name of Seminar / Conference | No. of Outstation Participants | Date |
|---------|--|--------------------------------|-----------------------------------|
| 2011-12 | National Seminar on Stochastic Modelling (NSSM 12) | 120 | 21-22, March 2012 |
| 2010-11 | 1. INCABS 11: Funded by UGC, CSIR, ICMR & KSCSTE Prof. Dan Kannan, Department of Mathematics, University of Georgia, Athens, GA 30602. Prof. Rein Nobel, VRIJE University,Amsterdan Dr. S. Rama Subrahmanyam, ISI,Banglore Dr. K.R. Sundaram, AIIMS NewDelhi. Dr. R. N. Pillai, Kerala University. Prof. A. Krishna Moorthy, CUSAT Prof. Sreekumaran Nair, Manipal University, Prof. Dattahreya, Nagarjuna University. Prof. T.S. Krishnan Muthath, Kerala University. Prof. A.M. Mathayi, McGill University, Canada and Director, CMS. Prof. I.D. Shetty, Karnatak University, Dharvad | 137 | Jan 10-14 April 2011 Dec. 2011 |
| | 2. Erudite Lecture Series: Funded by Higher Education Council Govt of Kerala. Prof. N. Balakrishnan, Mc Master University, Hamilton, Canada | 60 | |
| | 3. One Day National Seminar on New Methods of Sampling: Funded by UGC Dr. Bimal K. Roy, Director, Indian Statistical Institute, Calcutta. | 150 | |

31. Code of ethics for research followed by the departments : Rules and Regulations of the University.
32. Student profile programme-wise:

| Name of the Programme | Applications received | Selected | | Pass percentage | |
|-----------------------|-----------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| MSc Statistics | | | | | |
| 2012-14 | 69 | - | 21 | - | 95% |
| 2011-13 | 68 | - | 21 | - | 100% |
| 2010-12 | 65 | 5 | 13 | 100% | 76% |
| 2009-11 | 70 | 4 | 10 | 100% | 90% |
| 2008-10 | 15 | - | 11 | - | 100% |

33. Diversity of students

| Name of the programme (refer to question no.4) | % of students from the same university | % of students from other universities within the state | % of students from other universities outside the state | % of students from other countries |
|--|--|--|---|------------------------------------|
| 2012-2014 | 100% | | | |
| 2011-2013 | 84% | 26% | | |
| 2010-2012 | 100% | | | |
| 2009-2011 | 100% | | | |
| 2008-2010 | 72% | 28% | | |

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. : SET -5.

35. Student progression

| Student progression | Percentage against enrolled |
|--|-----------------------------|
| UG to PG | N.A |
| PG to M.Phil. | Nil |
| PG to Ph.D. | 10 % |
| Ph.D. to Post-Doctoral | Nil |
| Employed | |
| <input type="checkbox"/> Campus selection | Nil |
| <input type="checkbox"/> Other than campus recruitment | 30% |
| Entrepreneurs | |

36. Diversity of staff

| | |
|--|------|
| Percentage of faculty who are graduates | |
| Of the same university | 80 % |
| From other universities within the state | 20 % |
| From universities from other state from | |
| Universities outside the country | |

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil.
38. Present details of departmental infrastructural facilities with regard to
 - a) Library: 843 Books
 - b) Internet facilities for staff and students :Staff only
 - c) Total number of class rooms: 2
 - d) Class rooms with ICT facility : 1
 - e) Students' laboratories: 1
 - f) Research laboratories :Nil
39. List of doctoral, post-doctoral students and Research Associates
 - a) from the host institution/university :Nil
 - b) from other institutions/universities :2
40. Number of post graduate students getting financial assistance from the university. :Nil
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. :No
42. Does the department obtain feedback from
 - a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? : No, All faculty members are involved in the process of framing the curriculum .
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? : Yes, to adopt corrective measures wherever problems are reported.
 - c. Alumni and employers on the programmes offered and how does the department utilize the feedback? Yes, to adopt corrective measures and curriculum modifications.
43. List the distinguished alumni of the department (maximum 10) :-
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

| Sl. No. | Name of Academic Development Program | Number of Participants | Period | |
|---------|--------------------------------------|------------------------|-------------|------------|
| | | | From | To |
| 1 | Guest lecture Series – 1 | 30 | March 2009 | April 2009 |
| 2 | Guest lecture Series – 2 | 30 | Sept - 2009 | Dec- 2009 |
| 3 | Erudite Scheme Lecture | 180 | April 2011 | |
| 4 | Guest lecture Series – 3 | 55 | March 2014 | May 2014 |

45. List the teaching methods adopted by the faculty for different programmes: Lecture method, Student Seminars, Theoretical & Lab Assignments, problem solving and discussions & projects.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? : Continuous Assessments and periodic test.
47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department.: Problem solving.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details. Nil
50. Briefly highlight the contributions of the department in generating new knowledge, basic

or applied. : Nil.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

Department is potential to provide all statistical advices to the University/Local Bodies, business and industrial units around.

Weakness

Lack of well qualified permanent faculties, lack of internet access to the class and full-time library access. Sufficient number of computers with internet access in the laboratory.

Opportunities

All researchers and research institutions require statistical expertise.

Challenges

Conducting programmes need qualified permanent faculties.

52. Future plans of the department:

Acquire at least three fully qualified permanent faculties, unlimited internet connections, uninterrupted library access, office staff support.