

5.5

Department of Environmental Studies

1. Name of the Department : Department of Environmental Studies
2. Year of establishment : 2008
3. Is the Department part of a School/Faculty of the university? : faculty of the University
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: N.A.
10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

| | Sanctioned | Filled | Actual (Including CAS & MPS) |
|-----------------------------------|------------|--------|------------------------------|
| Professor | Nil | Nil | Nil |
| Associate Professor | Nil | Nil | Nil |
| Asst .Professor | 1 | Nil | Nil |
| 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 (in the dept) | No.of M.Phil/PhD students guided for the last 4 years |
|------------------------|---------------------------|---------------------------------|----------------|--|---|
| Dr. P.M. Beebi Razeena | M.Sc. M.Phil. Ph.D. | Course Director | Applied Botany | 31 | Ph.D. -1 |
| Manoj K. | M.Sc. NET | Assistant Professor on contract | | 5 | |
| Jashitha A. | M.Sc. NET | Assistant Professor on contract | | 2 | |
| Shilpa Krishnan | M.Sc. | Assistant Professor on contract | | 2 | |
| Shinila K. | M.Sc. | Assistant Professor on contract | | 2 | |

12. List of senior Visiting Fellows, adjunct faculty, emeritus professor: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information : 100 %
14. Programme-wise Student Teacher Ratio : 8: 1
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual : Technical staff : Nil, Administrative staff: 2 Filled
16. Research thrust areas as recognized by major funding agencies: Nil
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. : NA
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 : Nil
 - national recognition : Nil
 - international recognition : Nil
21. Special research laboratories sponsored by / created by industry or corporate bodies : Nil
22. Publications:
 - a. Number of papers published in peer reviewed journals (national/international) : 17
 - b. Monographs : Nil
 - c. Chapters in Books
 - d. Edited Books
 - e. Books with ISBN with details of publishers
 - f. Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.).
 - g. Citation Index – range / average : 22-54
 - h. SNIP : 3.07
 - i. SJR : 0.14 , 0.13, 1.03
 - j. Impact factor – range/ average: 1.03
 - k. h-index :9
23. Details of patents and income generated : Nil
24. Areas of consultancy and income generated : Nil
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) : Dr. P.M.Beebi Razeena, Life member of Indian Science Congress Association, Kolkatta.
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs). : Nil
28. Student projects
 - a. percentage of students who have done in-house projects including inter-departmental projects – 100%
 - b. percentage of students doing projects in collaboration with other universities industry / institute – 99%

29. Awards / recognitions received at the national and international level by
 a Faculty – Nil
 b Doctoral / post doctoral fellows : Nil
 c Students : Nil
30. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any. : Nil
31. Code of ethics for research followed by the departments: N.A
32. Student profile programme-wise:

| Name of the Programme (refer to question no.4) | Applications Received | Selected | | Pass percentage | |
|---|--------------------------|----------|--------|-----------------|--------|
| | | Male | Female | Male | Female |
| MSc. Environmental Studies | | | | | |
| 11 Batch | | Nil | 11 | 0 | 100 |
| 12 Batch | | 1 | 17 | 5.55 | 94.44 |
| 13 Batch | | 3 | 15 | 16.66 | 83.33 |
| 14 Batch | | 4 | 14 | 22.22 | 77.77 |

33. Diversity of Students

| Name of the Programme (refer to question no.4) | % of students From the same | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
|---|-----------------------------------|--|---|---|
| M.Sc. Environmental Studies | | | | |
| 11 Batch | 100 | 0 | | Nil |
| 12 Batch | 95 | 5 | | Nil |
| 13 Batch | 70 | 30 | | Nil |
| 14 Batch | 90 | 10 | | Nil |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.
 NET : 3

35. Student progression

| Student Progression | Percentage against enrolled |
|---------------------------------|-----------------------------|
| UG to PG | |
| PG to M.Phil. | 20 % |
| PG to Ph.D. | |
| Ph.D. to Post-Doctoral | |
| Employed | |
| ▪ Campus Selection | |
| ▪ Other than campus recruitment | 40 % |
| Entrepreneurs | Nil |

36. Diversity of staff

| | |
|--|------|
| Percentage of faculty who are graduates of | |
| the same University | 60 % |
| Other Universities within the State | 40 % |
| Universities from other States | 0 |
| Universities outside the country | 0 |

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: Department Library, No. of Books : 1379, Journals: 8
- b) Internet facilities for staff and students: Wi-Fi connection
- c) Total number of class rooms : 2
- d) Class rooms with ICT facility : Nil
- e) Students' laboratories : 3
- 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 : Nil

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: N. A.

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?
Yes, continues evaluation by conducting regular test paper. seminars, tutorial system and discussion of current relevant environmental affairs with students
- b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
Supply booklets for recording the independent evaluation of staff by students and kept it as confidential record in the department.
- c. alumni and employers on the programmes offered and how does the department utilize the feedback?

Active alumni association and organising annual meeting

43. List the distinguished alumni of the department (maximum 10)

Syed sheik Koya Wild Life Warden, Lakhyadeep, Kavarathi

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Seminar on Biodiversity Threats and Conservation on 18.10.2013. by T.P. Padmanabhan, Director SEEK Kannur.

Green the campus programme and environmental seminar on 5th june 2014 in Thavakkara campus.

Seminar presentation :

1. Dr. K.Abdul Kareem Assistant Director, Regional Agricultural Research Station, Pilicote, Kasargod. Presented a seminar on climate change.
2. Dr.K.M.Khaleel, Principal Sir Syed College, Taliparamba. Presented a seminar on Conservation of Biodiversity.

3. John C Jacob memorial Lecture (on 13.10.2014) in association with Malabar Natural History Society and Prathishtanum special lecture presented by Dr. V.S. Vijayan, Founder Chairman Kerala Biodiversity Board.
4. Seminar Organized by Parent Teacher Association on 23.01.2015. Seminar presented by Dr.Kalliat T Valsaraj. Vice Chancellor , Louisiana state university U S A Topic : Environmental Engineering.
5. Orientation seminar on 06.02.2015 by Dr. Dhanya Nambiar, Director Centre for Environmental Education and Development, Mumbai (NGO).
45. List the teaching methods adopted by the faculty for different programmes.
Teaching, Discussion, Seminar, Assignment continuous internal assessment conducting test paper, Practical classes, Field Study in campus and outside the campus. Supplies books and journals and motivated the students to academic, social and environmental issues.
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
40% marks for continuous internal assessment for each theory and practical paper in every semester. 60% Marks for external Evaluation.
47. Highlight the participation of students and faculty in extension activities.
Clean city Green city programme in collaboration with Payyanur municipality authority.
World Environmental Day June 5.
Publishing environmental booklet FICUS by association of M.Sc. Environmental Studies.
Field study trip conducted February 2014 to U.T. Lakshadweep (Anthroth and Kavarathi).
48. Give details of “beyond syllabus scholarly activities” of the department.
Analysing social and environmental problem in Kannur district and suggesting solution to be taken to the public.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
N.A..
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
Publishing papers in national and international journals and their application in also published in local Malayalam dailies for common people and farmers.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength

All faculty members are having positive attitude towards challenges and crisis met by the department.

Academic oriented and supporting PTA.

Students cooperation and full hearted support in academic and non-academic matters.

Well equipped lab advanced facility.

Full support from Kannur University administration board.

Weakness

Lack of permanent staff

Lack of opportunity for field experiments

Opportunities and Challenges

Environmental department always been a great asset to be University and Public for solving the challenges of environmental problems like waste management, water

purification by bioremediation, and planting trees in and outside the campus for enhancing air purification.

52. Future plans of the department.

1. Setting up of botanical garden and pond for ex-situ conservation of biodiversity , and solar panels for minimising the cost of electricity.
2. Initiation of MOU with various research institute within abroad and Indian Naval Academy Ezhimala.
6. Setting up of water quality analyzing programme to serve public and private sectors for water related problems.
4. Initiation of consultancy service related to environmental science.
5. Organising environmental related documentary festival, seminar workshop, special lectures. etc