

**UNIVERSITY OF CALICUT  
(IQAC)**

**INFORMATION FOR  
ACADEMIC AND ADMINISTRATIVE AUDIT OF THE  
DEPARTMENT OF GEOLOGY  
Year: 2020 - 21**

(Provide information for last five years from 2016-17 to 2020-21)

1. **Name of the Department:** Department of Geology
2. **Year of establishment:** 2015
3. **Courses offered:** PG(M.Sc. Applied Geology)

Year	PG	M. Phil	Ph.D.	Others
2016-17	11		NIL	
2017-18	22			
2018-19	17			
2019-20	20			
2020-21	20			

4. **Courses introduced during last 5 years:** NIL
5. **Does the department have Academic flexibility? If yes since when?** YES, 2015 onwards
6. **Interdisciplinary programs offered and departments involved:** NIL
7. **Courses conducted in collaboration with other universities and Institutions:** NIL
8. **Details of programmes discontinued, if any, with reasons:** NIL
9. **Examination System:** Semester
10. **Participation of the department in the curriculum development for courses offered by the Departments:** NIL
11. **Does the department have different syllabus than the one used by university for PG courses?** YES
12. **Number of teaching posts sanctioned, filled and vacant.**

Designation	Sanctioned	Filled	Filled under CAS
Professor	NIL		NA
Associate Professor			
Assistant Professor on contract	4	4	
Total	4	4	

13. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

a) Appointed on Government Sanctioned Post: NIL

b) Appointed from University Fund (Ad-hoc/Guest/contract Faculty).

Name	Designation	Qualifications	Teaching/Research Experience	Nature of appointment
Dr.ADARSH.P	Asst. Professor & Addl. Co-ordinator	M.Sc., Ph.D	7.5 years	Contract
Dr.SREEJA.R	Guest Lecturer	M.Sc., Ph.D	5 years	Hourly basis
DULCIE VIJAYAN		M.Sc.	1.5 years	

14. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 5 years):  
NIL

15. Percentage of classes taken by temporary/visiting faculty (programme-wise information): NIL

16. Programme-wise Student Teacher Ratio: (Average of 5 Years)

8:1

17. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr. No.	Posts	Sanctioned posts	Filled	Actual
1	Laboratory Assistant	0	0	0
2	Clerk (office)	1	1	1
3	Laboratory Attendant	0	0	0
4	Peon	0	0	0
5	Other (CLR)	1	1	1

18. Thrust areas of research as identified by the department: NA

**19. Information about research grants, projects completed and ongoing during the period of last 4 years**

**a) From National funding agencies (like UGC, CSIR, DST, DBT etc):**

Sr. No.	Name of the Principle Investigator (C0-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
NIL					

**b) From International funding agencies:**

Sr. No.	Name of the Principle Investigator (C0-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lacs)	Remarks if any
NIL					

**20. Funds received at Departmental level through DST-FIST; CSIR, UGC-SAP/CAS, DAE, DBT, BRNS, ICSSR, AICTE, etc**

Scheme and Funding Agency	Non- Recurring	Recurring	Project Fellow	Total
NIL				

**21. Research facilities available in the department and recognition received, if any? NIL**

**22. Special research laboratories sponsored by / created by industry or corporate bodies. NIL**

**23. Publications:**

Sr. No.	Papers published in peer reviewed journals	Monographs, Books, Chapters in books	Citations	<i>h</i> -index	Impact factor range/Average Impact factor
NIL					

**24. Details of patents filed & granted and income generated: NIL**

**25. Consultancy services provided, name of the teacher/s and income generated:**

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated (In Lakh)
NIL				

**26. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.**

SI No.	Name of the faculty	Name of Programme	Date
1	Dr.P.Manjula	Seminar on Geology for sustainable development	20/12/2016
2	Dr.A.B.Anitha, Dr.V.K.Brijesh, Dr.Veena M Nair & Dr.Pratheesh.P	Two day national seminar on Contemporary Trends and Applications in Geoscience	16/02/2018 17/02/2018
3	Prof.Talath Ahamed, Vice Chancellor, University of Kashmir	Frontier Lecture on Evolution on Himalayas	17/11/2018
4	Dr.P.S.Harikumar & Dr.Linto Alapatt	Awareness programme	04/09/2019
5	Dr. Sekhar Lukose Kuriakose	Frontier lecture series programme	15/11/2019
6	Dr. Abhilash S		28/01/2020

**27. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session)**

1. Dr.Adarsh.P (Participant)

**28. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. NIL**

**29. Details of teachers appointed/nominated on Editorial Boards at university, state, national and international levels. NIL**

**30. Awards / Prizes and recognitions received by teachers at university, state, national and international level: NIL**

**31. Awards and Prizes received by students at university, state, national and international level: NIL**

**32. Details of Seminars/ Conferences/Workshops organized at university, state, national and international level and the source of funding with details:**

<b>Name of Conference/ Seminars / Workshops</b>	<b>Funding agency</b>	<b>No. of Participants</b>	<b>University/State/National/ International</b>	<b>Dates</b>
Seminar on Geology for sustainable development	University	84	State	20/12/2016
Two day national seminar on Contemporary Trends and Applications in Geoscience	University	180	National	16/02/2018 17/02/2018
Frontier Lecture on Evolution on Himalayas	University	60	University	17/11/2018
GEOLOGICAL FUNCTIONING OF WETLANDS	State	102	University	09/04/2019
FRONTIER LECTURE SERIES ON KERALA FLOOD 2018	University	110	University	15/11/2019
FRONTIER LECTURE SERIES ON Gopal Warming	University	100	University	28/01/2020

**33. Student profile programme-wise at PG (M.Sc. Applied Geology)**

<b>Applications Received</b>	<b>No. of students Admitted</b>	<b>Seats Available</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Year</b>
194	20	20	5	15	20	2020-21
112	20	20	8	12	20	2019-20
184	17	20	3	14	17	2018-19
68	22	22	13	9	22	2017-18
30	11	20	10	1	11	2016-17

**34. Year-wise results of students at PG: (M.Sc. Applied Geology)**

<b>Year of Admission</b>	<b>Appeared</b>	<b>Passed</b>	<b>Pass %</b>	<b>Grade %</b>			
				<b>O</b>	<b>A</b>	<b>B</b>	<b>C</b>
2015	11	11	100	2	2	7	0
2016	11	9	81.8	1	1	5	2
2017	21	15	71.4	0	4	10	1
2018	17	15	88.2	0	9	6	0

35. Information about M. Phil. programme: NA

36. Information about Ph. D. programme : NA

37. Number of students awarded M.Phil., Ph.D ,Degree : NA

38. Diversity of Students : (Year-wise)

Name of the Programme : M.Sc. Applied Geology (PG)

Academic Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2016-17	100	0	NIL	
2017-18	82	18		
2018-19	65	35		
2019-20	70	30		
2020-21	60	40		

39. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? NIL

40. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Seminar on Geology for sustainable development	% proceeded for higher studies		% of students placed
	UG to PG	PG to Ph.D./ M. Phil	
Frontier Lecture on Evolution on Himalayas	NA	18.1 %	9.09
2017-18		9.09 %	45.4
2018-19		0 %	61.9
2019-20		5 %	5
2020-21		NA	NA

41. Diversity of Faculty:

Teaching faculty	%
------------------	---

from the same university	25
from other universities within the State	0
from other States	75
from outside the country	0

42. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.:** 2

43. **Present details of departmental infrastructural & other facilities with regard to**

- a) Central Library Books and Journals, etc, relevant to Department: Unknown  
b) Departmental Library (books, journals etc.) : 411  
c) Computers and Internet facilities for staff : 2  
d) Total number of class rooms : 2  
e) Class rooms with ICT facility : 1  
f) Students' laboratory : 4  
g) Research laboratories : NA  
h) Seminar Hall : 0  
i) Smart class room : 0  
j) Any other facility LCDs, : 0

44. **List of post-doctoral students and Research Associates**

a) **Post-doctoral. students-**

Sr. No.	Name of the Faculty	Post-doctoral Students	Research Topic
NIL			

b) **Research Associates**

Sr. No.	Name of the Faculty	Research Associates	Research Topic
NIL			

45. **Number of post graduate students getting financial assistance from the university/state / central government:** 12 from state E-grants (10SC, 1 OEC, 1 OBH)

46. **Curricular Aspects:**

- a) **Does the faculty take initiative in curriculum development process?** YES
- b) **Is curriculum suitable to make students globally competitive in the Subject? If yes, substantiate.** Advanced Audit course has introduced
- c) **Does the department offer program with sufficient no. of electives options.** YES
- d) **While framing curriculum, is feed-back taken from stakeholder's viz. Students/Alumni/Parents/Employers considered?** YES
- e) **What is the frequency of curriculum revision? (3/4/5 years or more)** 4 Years
- f) **Does the curriculum have emerging thrust areas, including interdisciplinary**

**areas? (If yes, elaborate).** YES, The emerging trust areas like Climatology & Disaster Management, Quaternary Geology & Seismology is having wide interdisciplinary applications.

#### **47. Teaching-Learning, Evaluation.**

- 1) Number of teachers preparing & following Academic Teaching plan : 4**
- 2) How many teachers use the following teaching methods?**
  - a) Interactive lecture method using blackboard, Group discussions, Problem solving, Seminars: 4**
  - b) Use ICT methods to support lectures: 4**
- 3) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality?**  
YES
- 4) Does the department have any mechanism to ensure that entire syllabus is completed? YES**
- 5) Do you offer Bridge/Remedial courses? If yes, Give details.**

YES, one week bridge course was conducted in the beginning of first year class.

- 6) What is the method for conducting internal evaluation? Test Paper**

#### **48. Teacher Performance:**

- 1) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers? YES**
- 2) Number of teachers getting** a) Very Good 4 b) Good \_\_\_\_\_  
c) Average \_\_\_\_\_ remarks from students.
- 3) Whether suggestion boxes are kept in the department to get suggestions from students on infrastructural facilities available in the department? NO**
- 4) Are the suggestions received from students used for improvement of facilities? NO**
- 5) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the university with comments? YES**
- 6) What is the individual faculty wise h index? NIL**
- 7) Give details of “beyond syllabus scholarly activities” of the department**
  - A) Scientific institute visits
  - B) Organized Extension Lectures
  - C) Organizing ISRO’s distance learning programmes
  - D) Conducting hands on training on various geological aspects
  - E) University has initiated the ‘One man one tree’ project jointly organized with Department of Geology



49. List the distinguished alumni of the department (maximum 10): NIL

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

SI No.	Name of the programme	External experts	Date
1	Seminar on Geology for sustainable development	Dr.P.Manjula	20/12/2016
2	Two day national seminar on Contemporary Trends and Applications in Geoscience	Dr.A.B.Anitha, Dr.V.K.Brijesh, Dr.Veena M Nair & Dr.Pratheesh.P	16/02/2018 17/02/2018
3	Frontier Lecture on Evolution on Himalayas	Prof.Talath Ahamed, Vice Chancellor, University of Kashmir	17/11/2018
4	GEOLOGICAL FUNCTIONING OF WETLANDS	Dr.P.S.Harikumar & Dr.Linto Alapatt	04/09/2019
5	FRONTIER LECTURE SERIES ON KERALA FLOOD 2018	Dr. Sekhar Lukose Kuriakose	15/11/2019
6	FRONTIER LECTURE SERIES ON Gobal Warming	Dr. Abhilash S	28/01/2020
7	EXTENSION LECTURE	Mr.Jobin Jahafar	10/02/2020
8	EXTENSION LECTURE	Dr.Linto Alapatt	25/02/2020

51. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Through Theory, Practical Exams and Performance in the field study

52. Highlight the Special facilities (if, any) of the Department: NIL

53. Highlight the unique features of the department: NIL

54. State the Innovative practices adopted in the department: One week bridge course was conducted in the beginning of first year class.

55. Highlight the participation of students and faculty in extension activities.

Students and faculty regularly participates in group discussions, debates, Scientific institute visits, Ship visit & extension lectures etc.

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

- a. Strengths:**
- 1) Department is a part of one of the best universities of the Country
  - 2) Talented, dedicated, knowledgeable and cooperative faculties
  - 3) High quality of faculties


**b. Weaknesses:** 1) Department is functioning in self financing mode

- 2) No Ph.D Programmes
  - 3) No permanent faculties
  - c. Opportunities:** 1) Huge opportunities are available in the field of earth sciences
    - 2) Career development classes are arranged
    - 3) Extension activities arranged
  - d. Challenges:** 1) Lack of fund due to self financing
    - 2) No permanent teaching staff
    - 3) Infrastructure facility
- 57. Future plans of the department:**
- a. **Long term plans-** To be regularized from self financing mode, To start PhD programmes, Campus placement activities, To start new generation programmes in the field of earth sciences, To undertake minor/major projects from government.
  - b. **Short term plans-** To start various community based workshops, To initiate a laboratory for water quality analysis, To undertake various consultancy works.

**Declaration by the Head of the Department/Institution:**

**I am aware that the above information provided by the department will be validated by the AAA committee during the visit.**



  
**(Dr. ADARSH.P)**  
**CO-ORDINATOR**  
**DEPARTMENT OF GEOLOGY**  
**UNIVERSITY OF CALICUT**  
**P.O. CALICUT UNIVERSITY - 673 635**

**Date: 22/06/2021**