

UNIVERSITY OF CALICUT
Academic & Administrative Audit of Teaching Departments(2016 -2021)
Report

Name of the Department		Department of Life Science		
Sl. No.	Item	Grade A -Excellent, B - Good C - Average D - Poor	Comments	Suggestions for improvement
I	Programmes Offered			
1	Relevance, adequacy, innovativeness etc. (3-8)	C	No interdisciplinary Programmes No collaborative programmes No academic flexibility	Existing programmes can be revised using industrial/research collaborations
2	Demand ratio of courses (33,35,36)	C	Provide the total number of applications received for the programme in the column 'Application received'. So that the demand ratio can be calculated.	
3	Syllabus & curriculum (10,11, 46)	B	The duration for modifying the syllabus, three years, seems long	Faculty members must have a chance to revise the syllabus of the course they offer every year if needed.
4	Examination & Results (9, 34, 37)	B	Grading of pass percentage not provided	
II	Faculty			
1	Strength (12, 14, 15)	C	The existing faculty strength is inadequate for the conduct of three different PG programmes. Number of faculty members having expertise in the concerned subject is also not sufficient.	A sufficient number of faculty members must be appointed as per UGC stipulations.
2	Student-teacher ratio(16)	B	The data given seems Teacher-Student Ratio, not Student-Teacher Ratio.	
3	Qualification, experience,			

	diversity, performance etc.(13, 41, 48)	B	Qualification and performance are good. Diversity of faculty is less (provide %, given date is in number)	
4	Participation of faculty in Professional development programmes Seminars, Workshops etc. (26-27)	B	Faculty members have frequently participated in academic programmes as resource persons/speakers etc.	
5	Recognitions received by faculty from notable institutions (state, national or international) (28-30)	C	No recognition or Awards/Prizes received at State level, National level, or international level bodies (only details of university-level academic/ administrative participation are given)	University level direction and encouragement should be made possible for achieve recognition
III	Research			
1	Thrust area (18)	B	Faculty members are working in a diversified research areas of life sciences having social/medical importance. A thrust area of research for the Department in common is not decided.	A thrust area of research for the Department in common should be identified
2	Facilities (21, 22)	C	Details of Laboratory facilities, Sophisticated Instruments and other facilities have not been provided	Provide it in detail
3	Publications (23)	B	There are around 36 research publications from the department during the assessment period with an average of about 6 per faculty member or about 7 per year. A few papers have been published in the journals having an impact factor above 5	For quality research, a direction from the University is necessary for the faculty members to publish the research articles only in journals having an impact factor.
4	Patents (24)	D	No Patents were filed or granted during the assessment period	University should encourage quality research by providing financial support for researchers.
5	Consultancy (25)	D	Details of consultancy service not provided	
6	Projects (19)	C	Details of 2 Major and 3 Minor research projects from 6 permanent faculty members are provided. It is too little for an old University department having faculty members engaged in research is concerned.	Faculty members should mobilize extramural research funds as much as possible
7	External Funding (all funds secured by faculty other than normal grants received by theUniversity) (20)	D	No external funding mentioned	Department should mobilize infrastructure developmental / research funds from national level funding agencies / schemes like DST-FIST; CSIR, UGC-SAP/CAS, DAE, DBT, BRNS, etc.
IV	Students			

1	Student achievements (state,national, international) (31)	D	Students' achievements not mentioned	State/National/International level participation of students in various academic activities must be encouraged
2	Diversity (male-female ratio, from within the state, outside the state and international) (33, 38)	C	Male: Female ratio is very less. No national-level student attraction with an exception of the presence of an international student	National/International level visibility of the Department must be increased.
3	Student Progression (39, 40, 49)	C	The success rate of students in national level examinations is very less. (Data regarding the students proceed for higher studies, provide %, given date is in number)	Awareness / Augmentation programmes may be conducted for the same
4	Financial support to Students(45)	A	Provide % also	
V	Support Staff (Strength,Adequacy etc.)	B	Essential academic support staff (technical) and administrative staff is only present	Vacant posts shall be filled
VI	Teaching- Learning & Evaluation(47)	A	Faculty members actively participating in Teaching-Learning, Evaluation	Bridge/Remedial courses may be highlighted if any
VII	Feedback Mechanism(48)	B	The performance of the teacher has been assessed by the students and processing properly	
VIII	Activities of the Department (Conduct of seminars, workshops,student enrichment programmes, extension activitiesand other beyond scholarly activities) (32, 50, 55)	C	6 Seminars/ Conferences/Workshops have been organized by the Department at State, National / International level during the assessment period	Erudite Scholar programme may be highlighted
IX	Infrastructural facilities of theDepartment (52)	B	Special facilities/ Sophisticated instrumentation facilities may be given in detail	
X	The uniqueness of the Department & Innovative practices (53-55)	D	Unique features or Innovative practices of the Department have not been highlighted	Department will be compared with other Institutes of the same nature and have to find out its Uniqueness
XI	SWOC(56)			

1	Strength	B	Incorporate other strengths like the expertise of the faculty members.	Can be strengthen academically more by incorporating the latest developments in the field in its syllabus. Also, the expertise of the faculty members in their respective fields can be utilized to strengthen the department more.
2	Weakness	B	Find out other weaknesses of the department, if any	
3	Opportunity	C	Developing innovative programmes in the areas of emergence utilizing the expertise of the faculty members	
4	Challenges	C	Lack of funds	Try to overcome the challenge by mobilizing funds through national funding agencies at the department level and also at faculty level
XII	Future plans(57)	C	The plans stated here, like appointing faculty members or improving infrastructure, must be a short-term plan only	State your short-term plans to place the department in a better position in the academic field in the next one or two years Also, highlight your long-term plans to make the department the best in the field, like a Centre of Excellence, in the next ten years

Overall remarks of the Auditor:

Department of Life Science, the University of Calicut has been conducting three different Postgraduate programmes in Biochemistry, Microbiology and physiology. Even though the Department has six permanent faculty members, when considering the diversity of PG programmes, this number is quite insufficient. As it is a teaching and research department, the lack of faculty strength in this department has become a main hindrance for its overall development and academic output. It has been clearly reflected in this audit. All of the faculty members in the department are highly qualified and have expertise in their respective fields. However, their output in terms of publications or patents, is seen not matching with their research capability. Lack of funding has been stated as the challenge for the department. It has to be overcome by mobilizing infrastructure developmental / research funds from national level funding agencies / schemes like DST-FIST; CSIR, UGC-SAP/CAS, DAE, DBT, BRNS, etc. Strength, Weakness and Opportunities of the Department have not seen clearly identified. It has to be rectified.

Place: Thalassery

Date: 20.07.2022

Signature: 

Name: Prof. (Dr) K Sreejith

Designation: Professor

Office: Dept. Biotechnology & Microbiology

Dr Janaki Ammal Campus, Kannur University - 670661