

UNIVERSITY OF CALICUT

Academic & Administrative Audit of Teaching Departments
(2016 -2021)

Report

Name of the Department		CHEMISTRY		
Sl. No.	Item	Grade A - Excellent, B - Good C - Average D - Poor	Comments	Suggestions for improvement
I	Programmes Offered	B	Courses are adequate	Integrated MS-PhD could be an additional advantage
1	Relevance, adequacy, innovativeness etc. (3-8)	B	Comparable	Inter disciplinary programmes could be added
2	Demand ratio of courses (33,35,36)	B	Above average when compared with other universities	Provide wide publicity
3	Syllabus & curriculum (10,11, 46)	B	Sufficient	Include Add-on courses
4	Examination & Results (9, 34, 37)	B	Above average when compared with other universities	Special care may be given to weak students
II	Faculty	A	Talented and devoted	-
1	Strength (12, 14, 15)	A	Sufficient	Invite more emeritus professors
2	Student teacher ratio (16)	A	Comparable	Could undertake more project students
3	Qualification, experience diversity, performance etc. (13, 41, 48)	A	Excellent	-

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	Participation of faculty in Professional development programmes, Seminars, Workshops etc. 4 (26-27)	B	Above average when compared with other universities	Financial support may be given for overseas programmes
	Recognitions received by faculty from notable institutions (state, national or international) 5 (28-30)	B	Faculty members are recognized in various fields such as academic and administrative levels	Recognitions in the fields of research has to be improved
III	Research			
	Thrust area 1 (18)	A	The faculty members are engaged in advanced areas of research covering main aspects of chemistry	Research for transfer of knowledge to industry has to be considered
	Facilities 2 (21, 22)	A	Sufficient facility for research	Collaboration with other institutions/industries can open more facilities.
	Publications 3 (23)	A	Very good publications with peer reviewed international journals	Patents and knowledge conversion to products is to be considered
	Patents 4 (24)	C	Only one representing the faculty	Could be improved
	Consultancy 5 (25)	D	Nil	The department has to take initiatives
	Projects 6 (19)	B	Not adequate numbers	Faculty should bring externally funded projects from national agencies
	External Funding (all funds secured by faculty other than normal grants received by the University) 7 (20)	B	Comparable	Could apply to other agencies
IV	Students			
	1 Student achievements (state,	B	Not up to the level	Aim for international / national level

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	national, international) (31)			
2	Diversity (male female ratio, from within the state, outside the state and international) (33, 38)	C	More importances to gender equality. Good male/female ration	Should attract students from other states and also from other countries.
3	Student Progression (39, 40, 49)	B	Low percentage	Should provide coaching to students to qualify national level tests
4	Financial support to Students (45)	A	Almost all students are benefited	-
V	Support Staff (Strength, Adequacy etc.)	C	Lack of supporting staff	Should appoint laboratory attendant
VI	Teaching- learning & Evaluation (47)	B	Up to the level	Faculty may be given training to use internationally accepted ICT platforms
VII	Feedback Mechanism (48)	B	Available	Should take action on feedback and implement the same
VIII	Activities of the Department (conduct of seminar, workshops, student enrichment programmes, extension activities and other beyond scholarly activities) (32, 50, 55)	B	Conducted many programmes in state/ national/ international level	Programmes on introduction to instruments may an additional advantage
IX	Infrastructural facilities of the Department (52)	B	Adequate numbers of computers and good library facility	Should provide Wi-Fi facility and knowledge for the use of internet in chemistry education
X	Uniqueness of the Department & Innovative practices (53-55)	B	Should have highlighted more	Could be improved by adding specific areas of research, highlights of achievements, etc
XI	SWOC (56)	B	Not up to the level	Should have included specific strengths and point out the required

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				areas to be improved
1	Strength	B	Not added many points	Should highlight more on research
2	Weakness	B	Pointed out well	Should improve the internet connectivity by taking necessary steps
3	Opportunity	B	Should indicate more	More exposures to faculty and students
4	Challenges	B	Pointed out well	Academic freedom is very essential
XII	Future plans (57)	B	Short and long time plans are indicated	File more patents and involve industrial collaboration.

Overall remarks of the Auditor :

The Department of Chemistry, University of Calicut has clearly highlighted their achievements in various fields of student education and research. The faculty members are qualified, devoted, sincere and having very good publications in reputed journals. The research is up to the level of national status. Major number of students is women. A greater percentage is also from rural area. The results are also up to the mark. The department is ahead in scholarly activities and the researchers are also actively contributing to the same.

Lack of faculty, researchers and students from other states is a negative mark. It is also noted that the industrial collaboration of the department is also very poor. Internet, Wi-Fi facility and introduction to modern online-platform for education are also in slow-down process.

Overall the performance of the department is very good

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