



INSTITUTIONAL ASSESSMENT AND ACCREDITATION
(Effective from July 2017)

Accreditation - (Cycle - 3)

PEER TEAM REPORT ON
INSTITUTIONAL ACCREDITATION OF
COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
U-0253

Cochin
682022



M. N. Madhusoodanan
14/10/22

Dr. K. N. MADHUSOODANAN
Vice-Chancellor
Cochin University of
Science and Technology
Kochi - 682 022, Kerala, India

CRAVI SEKHARA RAJU PUJARI
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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA

V.K. Ralte
14.10.22

S. A. Kamakrishna
14/10/22
Kamakrishna Sec. In-charge

Arvind Kumar Singh
14/10/22

(Dr. K. M. Soni)

Section I: GENERAL INFORMATION

1.Name & Address of the institution:	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY Cochin Kerala 682022	
2.Year of Establishment	1971	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	9	
Departments/Centres:	30	
Programmes/Course offered:	116	
Permanent Faculty Members:	289	
Permanent Support Staff:	756	
Students:	8592	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. State-funded unitary university with UGC 12(f) and 12(B)status 2. Implemented Outcome Based Education in all programmes 3. Catering to Educational and research needs of the local community with special emphasis on Marine Science.	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	Visit Date From : 12-10-2022 Visit Date To : 14-10-2022	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. BIJOY KUMAR NANDA	Former Vice Chancellor, VSSUT BURLA
Member Co-ordinator:	DR. ARVIND KUMAR SINGH	Professor, NORTH EASTERN HILL UNIVERSITY
Member:	DR. DEBASISH SUR	Professor, UNIVERSITY OF BURDWAN
Member:	DR. K M SONI	Dean, Amity University Noida
Member:	DR. V K RATTAN	Vice Chancellor, GNA University
Member:	DR. PROF RAVISEKHARARAJU PUJARI	Dean, SASTRA DEEMED UNIVERSITY
Member:	DR. RAMAKRISHNA SEELAM	Professor, S V University
NAAC Co - ordinator:	Dr. Jagannath Patil	



Dr. K. N MADHUSOODANAN
Vice-Chancellor
Cochin University of
Science and Technology
Kochi - 682 022, Kerala, India

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Section II: CRITERION WISE ANALYSIS

Observations (Strengths and/or Weaknesses) on each qualitative metrics of the key Indicator under the respective criterion (This will be a qualitative analysis of descriptive nature aimed at critical analysis presenting strength and weakness of HEI under each criteria)

Criterion 1 - Curricular Aspects (Key Indicator and Qualitative Metrics (QIM) in Criterion 1)

1.1	Curriculum Design and Development
1.1.1 QIM	Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the Programmes offered by the Institution.
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum
1.4	Feedback System

Qualitative analysis of Criterion 1

CUSAT offers 116 programmes across Engineering, Environmental Studies, Humanities, Law, Marine Sciences, Science, Social Sciences, Technology and Management as Outcome Based Education (OBE) which caters for the regional and global requirements. Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) are precisely narrated in all these programmes. Department-wise feedback is taken from all the major stakeholders, such as students, teachers, parents, alumni and employers for enhancing the quality of the curriculum as well as the teaching learning process. The syllabi revision was carried out during the last five years for 100% programmes. About 3/5th of the courses offered by the university focus on employability, entrepreneurship and skill development. A good no. of new courses has been introduced across programmes during the last five years. The university promotes higher level vocational education by commencing 3 vocational programmes, and also develops entrepreneurial culture among students through its Technology Business Incubators in order to reach the goals of 'Make in India' and 'Skill India' programmes initiated by the Government of India. All academic programmes are conducted under the Choice Based Credit System so that students get maximum flexibility in selecting the courses as envisaged in National Education Policy 2020. A good no. of new value-added courses was introduced and approximately 40% of the students attended these courses. More than 40% students undertook field/ research projects/ internships during the last five years.

CUSAT has introduced courses for inculcation of human values, gender equity, professional ethics, environmental concern and sustainable development among the students. An Environmental Studies course is offered in almost all programmes. A compulsory course on Research ethics is offered to all research scholars. Professional ethics is offered as a core course in all engineering programmes. Study of Social Exclusion and Inclusive Policy centre fosters research in the same areas. The courses on Gender Issues, Feminine Discourse and Adivasi Discourse are offered by Economics and Hindi departments respectively. The Women Study Centre offers elective courses and organizes seminars concerning gender equity.

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Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrics(QIM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Catering to Student Diversity
2.2.1 QIM	The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners
2.3	Teaching- Learning Process
2.3.1 QIM	Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences
2.3.2 QIM	Teachers use ICT enabled tools including online resources for effective teaching and learning process.
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.3 QIM	IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution
2.6	Student Performance and Learning Outcomes
2.6.1 QIM	The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents
2.6.2 QIM	Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution
2.7	Student Satisfaction Survey

Qualitative analysis of Criterion 2

Admission process is executed as per the policy of the government and seats are offered to students from diverse backgrounds. The average demand ratio for the last five years is adequate however many seats remained vacant in the reserved categories.

Experiential learning, assignments, guided projects and participative learning are the part of the curriculum for every programme. Choice Based Credit System is adopted in the University and the syllabus has been revised giving importance to Outcome Based Education. Experimental learning, Problem solving techniques, field & industry visits, internship, soft skills and capability enhancement training programmes are emphasized.

The faculty members conduct internal test, group presentation, individual seminar presentation and give assignments like mini projects to assess the learners from time to time. Slow learners are identified, and additional coaching is provided to them. The faculty members also encourage, motivate, and support the advanced learners by taking suitable initiatives to develop their skills. Some provision is made to facilitate a select group of advanced learners pooled from the academic departments to take part in field works like survey and micro-research projects. To enhance learning experiences, faculty members are encouraged to carry out innovative sessions. Teaching is supplemented by the ICT equipment. Several faculty members use 'real-world learning' skill that demonstrates and relates through real life situations and experiences. Each department of the University conducts internal evaluation of learners to assess the capability of learning and grasping. Students are assigned 'seminars' and 'paper presentation' to measure their grasping level.

The University has mechanism for the grievance redressal for examination related matters.

The University prepares a Calendar of Events in the very beginning of the academic year and all the

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departments adhere to the schedule. The student-mentor ratio is satisfactory. About 3/4th of the full-time teaching posts is filled up and a good no. of teachers are highly qualified. Most of the teachers received awards, recognition or fellowship. The result declaration time reduced from 48 to 28 days in the last five years. The examination system adopted by the university is automated and the Examination Management Software System has been implemented in the assessment period. 100 per cent continuous internal evaluation is in practice for the PG programmes. Program outcomes, Program Specific outcomes and course outcomes are analysed by the concerned faculty/ department. Results of students are compared with the previous performance and appropriate measures are taken to enhance the quality of the academic performance. Remedial classes are conducted for slow learners and necessary steps are taken for the improvement of the outcome. The average pass percentage of students during the last five years is about 80.

Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrics(QIM) in Criterion3)

3.1	Promotion of Research and Facilities
3.1.1 QIM	The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented
3.2	Resource Mobilization for Research
3.3	Innovation Ecosystem
3.3.1 QIM	Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.
3.4	Research Publications and Awards
3.5	Consultancy
3.5.1 QIM	Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.
3.6	Extension Activities
3.6.1 QIM	Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.
3.7	Collaboration

Qualitative analysis of Criterion 3

The University has created the incubation centre for innovative ideas. The University provides favourable environment for research activities by developing necessary infrastructure and support facilities and the University has designed guidelines for quality research. Provision for seed money to conduct research studies to the newly recruited teachers is in place and about Rs. 2 crores were given to the new teachers during the last five years. A good no. of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows are engaged to carry out research in the last five years. More than 70% of the total number of departments have recognitions/ funding through UGC-SAP, DST-FIST, TEQIP, DST-PURSE etc. Grants for research projects sponsored by the government agencies during the last five years are approximately Rs. 129 Crores. A major funding was made from the Government of India under 'Make in India' programme for the indigenously developed Stratosphere-Troposphere (ST) Radar Centre. The number of research projects per teacher funded by government and non-government agencies during the last five years was noticeable. More than 400 workshops/seminars were conducted during the last five years and 331 recognitions were received for research/innovations won by the university/ teachers / research scholars during the last five years. The total number of patents published / awarded during the last five years is satisfactory. The status of the university in respect of research paper publication of the faculty members in UGC enlisted journals and edited volumes is also notable. The university conducted more than 400 extension/ outreach programmes and about 140 awards

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were received for extension activities. The number of collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students during the last five years is satisfactory. The university has a good number of functional MoUs.

The NSS unit and Department of Youth Welfare co-ordinate various activities for students and public. The Departments, Centres and Schools organize various extension activities covering different social issues for the benefit of neighbourhood communities. Centre for Science in Society (C-SiS) conducts various programmes for popularizing science for school children. Various activities such as National Science Day, World Environment Day, International Women's Day, Yoga Day, etc. are also organized. Other extension programmes like Bike rally for Alcoholism Awareness, Road Safety Awareness, Cancer Awareness, Energy Conservation, Blood Donation Camp, Water & Tree Conservation Programme, Gender Sensitization Programme, etc. are also organized.

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrics(QIM) in Criterion4)	
4.1	Physical Facilities
4.1.1 QIM	The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.
4.1.2 QIM	The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)
4.1.3 QIM	Availability of general campus facilities and overall ambience
4.2	Library as a Learning Resource
4.2.1 QIM	Library is automated using Integrated Library Management System (ILMS) and has digitisation facility
4.3	IT Infrastructure
4.3.2 QIM	Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility
4.4	Maintenance of Campus Infrastructure
4.4.2 QIM	There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Qualitative analysis of Criterion 4

The University has three campuses – the Main Campus at Thrikkakara, the Lakeside Campus in Kochi city and the Rural Campus at Pulinkunnu, Alappuzha (Allepy) and owns about 210 acres across the three campuses. The classrooms /laboratories /seminar halls and meeting rooms of Departments /Schools/Centers are adequate in number and well equipped with ICT tools. The total number of classrooms and seminar halls in the departments/schools/centers is about 220. The Science/Technology/Engineering departments/schools have set up well equipped laboratories. A few classrooms are equipped with interactive smart board in addition to white/black boards. It enables the departments to produce short educational videos. Teachers/ staff and students have access to internet across the campus. The Seminar Complex of the University consists of an auditorium with a seating capacity of about 750, and two seminar halls with a seating capacity of approximately 150 and 60. In addition, there is an open-air auditorium with a seating capacity of about 1000. The University has good facilities for sports and games, both indoor and outdoor. The services of expert coaches from outside are being utilised for training the students in various sports and games items. The University provides on campus accommodation for over 2300 students in 14 hostels (8 for boys and 6 for

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girls) which are well furnished. In addition to these hostels, there is an International Hostel to accommodate students from other countries. The University Guest House and the Visiting Faculty Complex consist of 15 fully furnished rooms to cater to the needs of visitors. The University quarters provide accommodation to few faculty members and staff. There are four canteens to cater the needs of the students and staff. The Medical Centre located inside the campus provides first aid medical care. The services of a doctor are made available in the campus medical centre from 4 p.m. to 6 p.m. on all days. Campus safety and security services are noticeable. The average annual expenditure for infrastructure augmentation excluding salary during the last five years is approximately Rs 13.5 Crores. The University Library is fully automated using integrated library management system. In addition to the central library, departmental libraries cater to the resources pertaining to specialized knowledge areas. At present, the collection exceeds 133000 inclusive of several valuable reference books, doctoral theses and back volumes of periodicals, patents, CD-ROM etc. The library provides access to around 60 print periodicals, 9247 e-journals, J-Gate Access journals, 11 databases, and 1500 e-books. The average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals is adequate. The percentage per day usage of library by teachers and students during the latest completed academic year is noticeable. The average student-computer ratio of the University during the five years is 4. The average expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years is Rs. about 17 Crores.

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrics(QIM) in Criterion5)	
5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.3.2 QIM	Presence of Student Council and its activities for institutional development and student welfare.
5.4	Alumni Engagement
5.4.1 QIM	The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

Qualitative analysis of Criterion 5

Government and non-government scholarships are also available for those students who do not belong to SC, ST, physically handicapped categories. The average percentage of students benefited by scholarships and free ships provided by the Government and other non-government organizations during the last five years is about 25. The average percentage of outgoing students progressing to higher education during the last five years is approximately 6. The average percentage of students qualifying in state/national/ international level examinations is noticeable and the average percentage of placement of outgoing students is around 24. **The number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events during the last five years is adequate.** The University is having a very active student council (known as Students' Union). The provision of students' representation in academic, administrative, and other committees of the University is in place. Students from every class, course and programme are elected. The Students' Union serves as a bridge between the administration and the student community as well as actively participates in maintaining cleanliness and extending full support in academic and administrative endeavors. The council also helps the coordinators of NSS and other clubs / cells in organizing and conducting various activities. The University has an alumni network organised under the respective departments.

The University Alumni Association is registered. They organized Global Alumni Conclave in 2020. Many alumni hold key positions in academics, industry, research & development, team leaders and a few have

become entrepreneurs. Alumni help, guide and participate in various activities of the department and university. However, the financial contribution of alumni is not significant till date. Some departments received support from alumni in refurbishing the classrooms and interactive boards. Some endowment awards have been instituted by the alumni. Alumni association has instituted Gold Medals for LLB & LLM courses. They also support students for internships and placements. Mentoring support is also provided to the students by alumni.

Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrics(QIM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QIM	The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.
6.1.2 QIM	The effective leadership is reflected in various institutional practices such as decentralization and participative management.
6.2	Strategy Development and Deployment
6.2.1 QIM	The institutional Strategic plan is effectively deployed.
6.2.2 QIM	The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.
6.3	Faculty Empowerment Strategies
6.3.1 QIM	The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .
6.4	Financial Management and Resource Mobilization
6.4.1 QIM	Institutional strategies for mobilisation of funds and the optimal utilisation of resources
6.4.4 QIM	Institution conducts internal and external financial audits regularly
6.5	Internal Quality Assurance System
6.5.1 QIM	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.
6.5.3 QIM	Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).

Qualitative analysis of Criterion 6

The University has clearly stated its vision and mission which are reflected in all the activities performed by it. The University has prepared the vision document up to 2030. The University adopts decentralized participative management practices through which a better academic environment for the benefit of students is ensured. The chief executive body of the University is the Syndicate which comprises representatives from government, accomplished academicians, experts from industries, local bodies, students etc. Nominees from SC/ST category and lady representatives are also in the Syndicate. The principal academic body of the university is Academic Council which consists of all Deans, Heads of Departments, Chairmen of all Boards of Studies etc. Senate, Faculties, Board of Studies, Department Council are also part of the Governance at various levels. The University implemented e-Governance in all areas of operations including Administration, Finance, Students Admission, and Examinations which specially helps the University to perform activities. The University has its own grievance cell for redressal of staff's issues. The promotion of faculty of the

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University follows the Career Advancement Scheme (CAS). The University introduced various welfare schemes for the staff including Quarters, HRA, Medical Reimbursement, Medical Insurance for employees and their dependents, Group Insurance Scheme etc. However, the average percentage of teachers provided with financial support to attend conferences / workshops and membership fee of professional bodies is not significant. The University regularly conducts Workshops/FDPs/training programmes for the professional development of teaching and administrative staff. The University makes perceptible changes by way of vastly improving the academic environment of the University through various funding schemes such as FIST, SAP, TEQIP, RUSA and KIIFB. The internal and external audits of the financial activities of the University are conducted by the Audit Department of the University and that of the State Government respectively. The allocated funds are optimally utilized. The IQAC of the University performs its duties to develop quality culture in all activities such as periodic academic audit, administrative audit, green audit, energy audit, feedback, periodic revision of the syllabi, conduct of Workshops/FDPs/Seminars, and implementation of outcome-based education. The University participates in NIRF India Ranking and has been able to improve its status in NIRF University ranking by increasing 18 points in 2021. The ISO certified and NBA accredited programmes are in the School of Engineering, KM School of Marine Engineering and the Department of Polymer Science and Rubber Technology. The B. Tech programme in Safety and Fire Engineering and M. Tech programme in Industrial Safety (HSE Management) run by the University secured recognition from the Board of Certified Safety Professionals (BCSP), USA as a Transitional Safety Practitioner (TSP) Qualified Equivalent Programme (QEP). University has also bagged the Chancellor's Best University award 3 times during the assessment years under consideration. The University has already complied with the suggestions of last 2nd cycle of NAAC accreditation recommendations.

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Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrics(QIM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.1 QIM	Measures initiated by the Institution for the promotion of gender equity during the last five years.
7.1.3 QIM	Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words) <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • Biomedical waste management • E-waste management • Waste recycling system • Hazardous chemicals and radioactive waste management
7.1.8 QIM	Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).
7.1.9 QIM	Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).
7.1.11 QIM	Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).
7.2	Best Practices
7.2.1 QIM	Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.
7.3	Institutional Distinctiveness
7.3.1 QIM	Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Qualitative analysis of Criterion 7

The University takes certain initiatives to ensure gender equity in its activities. In most of the PG programmes, girls outnumber boys and in UG boys are more than girls. In both teaching and administrative fronts, the participation of female staff is notable. There is a lady representative in the Syndicate, the Governing Council of the University. Trans-gender reservation has also been implemented in all the professional programmes. There is a unisex gymnasium in the student's amenity centre. A gymnasium solely for the female students is also functioning near their hostels. The energy conservation measures adopted by the University are the promotion of the use of solar energy, biogas plants, sensor-based energy conservation and use of LED bulbs while the environmental sustainability measures are management of solid and liquid, biomedical, e-waste and hazardous wastes and waste recycling systems. The University's water conservation facilities in the campus include rain- water harvesting, open wells, tanks, maintenance of water bodies and distribution system. The green initiatives adopted by the University in the campus include restricted entry for vehicles, pedestrian friendly pathways, bicycles for the use of students and staff, landscaping with trees and plants, vegetable farming in collaboration with the Kerala Agricultural Department, Govt. of Kerala, butterfly garden etc. The University conducts Gender Audit, Environment Audit and Green Audit on regular basis. The NSS unit of the University also engages itself in performing beyond the campus environmental promotion activities. The University ensures disabled friendly facilities in the campus by providing ramps in all buildings, disabled friendly washrooms, disabled access signage, facilities for Divyangjan accessible website etc. The codes of conduct for students, teachers and non-teaching staff are prescribed and published on the website. The

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University celebrates Days of National Importance like Independence Day and Republic Day and also festivals like Diwali, Holi, Onam, etc. Death anniversaries of great personalities, Important Days of National and International events are also celebrated meaningfully.

The University follows two best practices such as Practicing translational research and extension as a commitment to the Society and Holistic student development through cultural diversity, skill orientation for careers and promotion of entrepreneurs. The objective of first one is to undertake research in response to problems faced by society, undertake communication of scientific temper to the society and to involve extending research for the benefit of society through appropriate methods. This has resulted in providing consultancies to aqua farmers, aquaculture and sea food industries. The objective of second-best practice is to improve student diversity through pan India selection process, improve skill orientation through curricular and co-curricular activities and encourage entrepreneurship by offering conducive entrepreneur climate. CUSAT incubators have mothered about 110 start-up companies in last five years. The overall performance of the University in this respect is encouraging.

The school of Marine Sciences is catering to educational and research needs to the local community and this is the distinctiveness of the CUSAT.

Section III: OVERALL ANALYSIS based on Institutional strengths, Weaknesses, Opportunities & Challenges (SWOC) (up to 500 words)

Overall Analysis

Strength:

1. Conduct of 116 academic programmes including some inter-disciplinary academic programmes and research activities across 30 Departments/Centres in niche areas of Science, Technology, Social Sciences and Humanities.
2. Majority of the departments enjoy recognitions/ funding through research projects, such as UGC-SAP and DST-FIST, TEQIP, DST-PURSE etc.
3. Competent faculty with high quality publications.
4. Automation in Examination system leading to quick publication of results.
5. Providing seed money to newly recruited teachers for starting research work.
6. Technology Business Incubation facilities with around 90 start-ups incubated in the last five years.
7. A good number of MoUs and collaborations with national and international research laboratories/ institutes.
8. Fully ICT enabled classrooms and wi-fi enabled campus with 1 GBPS Internet support.
9. Some tangible supports from well-placed alumni for the overall development of the University.
10. Admission through Pan India common entrance test and 45% seats reserved for candidates from other states leading to student diversity.

Weaknesses:

1. Shortage of Permanent Faculty Members.
2. International students are not adequate.
3. Restriction of infrastructure expansion due to land constraints.
4. Approval and clearance from the State Government are required for policy changes and new

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initiatives.

5. Commercialization of IPR is lacking.

Opportunities:

1. Introduction of new programmes and revamping the existing curriculum in line with New Education Policy 2020.
2. Introduction of new programmes and courses considering the national requirements for strengthening Make in India and Atmanirbhar Bharat Initiatives.
3. Promotion of industry-academia collaboration and start-up ecosystem.
4. Availing more prospective funding opportunities (such as CSR funding) for community projects.
5. Potential to tap into the emerging skill development market opportunities by aligning with policies of Central and State Governments.
6. Enhancement of alumni engagement in academic and research projects.
7. Development of more centres of excellence in the cutting-edge technology.

Challenges:

1. Attracting quality students from outside Kerala regions.
2. Stiff competition from deemed universities and autonomous colleges.
3. Providing adequate accommodation facilities for outstation students.
4. Enhancing accommodation facilities for faculty on the campus.
5. Improving scope for students' placement.
6. Attracting diverse national and international faculty.

Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- The vacancy of sanctioned post should be filled up as soon as possible.
- Employability of students should be increased by developing regular contact with the industries/employers.
- Alumni and all the stakeholders should be engaged in a more tangible way.
- Accommodation facilities for outstation students and staff should be enhanced.
- Student oriented courses should be started to enhance their soft and communication skills.
- Special coaching classes should be introduced for IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Judicial and Civil Services etc.
- More external funding should be attracted to provide a push to research and developmental culture on the campus in terms of consultancy and projects.
- More emphasis is required on IPR and Moot activities.

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I have gone through the observations of the Peer Team as mentioned in this report

Signature of the Head of the Institution

M. K. M.

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Seal of the Institution

Dr. K. N. MASHUDDHAN
Vice-Chancellor
Cochin University of
Science and Technology
Kochi - 682 022, Kerala, India



K. K. J.
14/10/22

S.
14.10.22.

A. S.
14/10/22

V. K.
14/10/22
(V.K. Rattan)

S. K.

B. K.
14.10.22

(DR BIJOY KUMAR NANDA)

K. M.
(Dr. K. M. Sani)

Sl.No	Name		Signature with date
1	BIJOY KUMAR NANDA	Chairperson	BhWan 14.10.22
2	ARVIND KUMAR SINGH	Member Co - ordinator	Arvind 14/10/22
3	DEBASISH SUR	Member	Debasish Sur 14.10.22
4	K M SONI	Member	K.M. Soni
5	V K RATTAN	Member	V.K. Rattan 14/10/22
6	PROF RAVISEKHARARAJU PUJARI	Member	K.R. Pujari 14/10/22
7	RAMAKRISHNA SEELAM	Member	S. Seelam 14/10/22
8	Dr. Jagannath Patil	NAAC Co - ordinator	

Place Kochi

Date 14.10.2022

K.M. Soni
14/10/2022

Dr. K. N MADHUSOODANAN
Vice-Chancellor
Cochin University of
Science and Technology
Kochi - 682 022, Kerala

Arvind
14/10/22

K.R. Pujari
14/10/22

V.K. Rattan
14/10/22

S. Seelam
14/10/22

K.M. Soni
(Dr. K. M. Soni)

BhWan
14.10.22

(DR BIJOY KUMAR NANDA)

