INSTITUTIONAL ASSESSMENT AND ACCREDITATION
(Effective from July 2017)

Accreditation - (Cycle - 2)

PEER TEAM REPORT ON

INSTITUTIONAL ACCREDITATION OF KATHIR COLLEGE OF ENGINEERING C-36988

Coimbatore
Tamil Nadu
641062

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

Section I:GENERAL INFORMATION		
1.Name & Address of the institution:	KATHIR COLLEGE OF ENGINEERING Coimbatore Tamil Nadu 641062	
2.Year of Establishment	2008	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	2	
Departments/Centres:	6	
Programmes/Course offered:	10	
Permanent Faculty Members:	87	
Permanent Support Staff:	22	
Students:	879	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. Considerably large size of the Campus 2. Catering to the diverse segment of the society 3. Strong support of Management	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	From : 23-02-2023 To : 24-02-2023	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. ALOK KUMAR CHAKRAWAL	Vice Chancellor,Guru Ghasidas Vishwavidyalaya
Member Co-ordinator:	DR. RAMESH K	Professor,Karnataka State Akkamahadevi Womens University
Member:	DR. PRADYUMKUMAR KADOLE	Principal,DKTE Societys Textile and Engineering Institute Ichalkaranji
NAAC Co - ordinator:	Dr. M.S. Shyamasundar	

03-03-2023 04:42:09

Section II:CRITERION WISE ANALYSIS
Observations (Strengths and/or Weaknesses) on each qualitative metrices 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)

Criterion1 - Curricular Aspects (Key Indicator and Qualitative Metrices(QlM) in Criterion1)	
1.1	Curricular Planning and Implementation
1.1.1 QlM	**The Institution ensures effective curriculum delivery through a well planned and documented process**
1.1.2 QlM	**The institution adheres to the academic calendar including for the conduct of CIE**
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QlM	**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
Institute is self-financed and managed by Lamika Educational and Charitable Trust and is permanently affiliated to Anna University, Chennai. The Institute offers 5 undergraduate programmes and 5 Post graduate programmes approved by the AICTE. Institute follows curriculum designed by the University and adheres to the Academic calendar of the University. The effective teaching learning and Curriculum implementation is observed. Academic flexibility for the college is in conformance with university curricula. The institute motivates the students to take MOOCs,NPTEL courses and industrial training and internship. The key activities related to teaching & practical plan are uploaded on the website. In addition to regular courses, institute offers some value-added courses. The crosscutting issues relevant to gender, environmental sustainability, human values and professional ethics are addressed through courses like Indian constitution, environment sciences, etc. It is also observed that Kathir College of Engineering conducts Internal Assessment test meticulously adhering strictly to the University norms. Timely feedback is obtained from the students and other stake holders. However the actions taken based on the feedback is to be systemized.

Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrices(QlM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Catering to Student Diversity
2.2.1 QlM	**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 QlM	**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences**
2.3.2 QlM	**Teachers use ICT enabled tools for effective teaching-learning process.**
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.1 QlM	**Mechanism of internal assessment is transparent and robust in terms of frequency and mode**
2.5.2 QlM	**Mechanism to deal with internal/external examination related grievances is transparent, time- bound and efficient**
2.6	Student Performance and Learning Outcomes
2.6.1 QlM	**Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.**
2.6.2 QlM	**Attainment of programme outcomes and course outcomes are evaluated by the institution.**
2.7	Student Satisfaction Survey

Qualitative analysis of Criterion 2
The students are admitted through Tamil Nadu Engineering counciling admissions . The curriculum is created by the affiliating university, and the college has been successfully planning, implementing, and delivering. The institute is preferred by students of nearby rural areas.

The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners.

The Institute adopted experiential and participative learning pedagogy in their routine teaching delivery mechanism along with problem solving methodologies. The institute has adopted teaching and learning through ICT tools along with regular chalk and talk delivery. The institute make use of AI supported tool Edutech platform for online teaching, practices and assessment. The steps initiated by the institute for Soft Skill Development and Career counselling is significant.

The institute has 11 Professors, 11 Associate Professors, and 65 Assistant Professors. 24 faculties are having their PhD degree. The recruitment process of teachers is as per University norms and government rules. The evaluation and examination reforms are as per university guidelines.

Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed on website and communicated to the stakeholders.

Student Satisfaction Survey is in place. |

Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrices(QlM) in Criterion3)	
3.1	Resource Mobilization for Research
3.2	Innovation Ecosystem
3.2.1 QlM	**Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**
3.3	Research Publications and Awards
3.4	Extension Activities
3.4.1 QlM	**Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.**
3.5	Collaboration

Qualitative analysis of Criterion 3
The institute has got 12 faculties as recognised research guides. Research activities are just initiated with few externally funded projects. Consultancy and testing activities are yet to be initiated, however students and faculties are motivated to take-up industry based projects as part of curriculum. The institute has 128 Scopus indexed journals published by various faculties. Teachers are further encouraged to publish in reputed journals and attend the conferences. Extension activities in the neighbourhood community are carried out to sensitise the students for social relevant issues. The major extension activities include health awareness camp, blood donation camp, tree plantation camps,Unnat bharat abhiyan as part NSS unit.

There are 18 MOUs active with Institutes and Industries, but there effectiveness is yet to be visible in terms of collaborative research and faculty exchange. |

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrices(QlM) in Criterion4)	
4.1	Physical Facilities
4.1.1 QlM	**The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.**
4.1.2 QlM	**The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.**
4.2	Library as a Learning Resource
4.2.1 QlM	**Library is automated using Integrated Library Management System (ILMS)**
4.3	IT Infrastructure
4.3.1 QlM	**Institution frequently updates its IT facilities including Wi-Fi**
4.4	Maintenance of Campus Infrastructure
4.4.2 QlM	**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 Institute has sufficient infrastructure for teaching learning as per AICTE norms. Institute has green campus of 7.5 acres; it has 27 classrooms equipped with LCD projectors and 10 classrooms have been earmarked and equipped with smart boards. 26 well equipped laboratories and 1 workshop cater to the

students' practical learning as per curricula requirements. The laboratories and Computer Centres are having latest simulation software and advanced technology.

The institute is having outdoor games facilities such as Cricket ground and Practice net; Basketball court; Volley ball court; and indoor games facilities.

Central library has a collection of books with 11211 titles and 34566 volumes. The library has subscription for 46 national journals, & 46 International Journals, 11 magazines, 5000+ e-journals and e books available from DELNET DATABASE and N-List. Selected copies of text books and reference books are also maintained in the departmental libraries.. The rare books and manuscripts are not available.

The Institute has well designed and equipped central computing facility with latest configurations. In addition to this, separate computer labs for the academics are also in place. The systems are connected via LAN. The computer student ratio is approximately 1:2. The institute has wi-fi campus with a dedicated bandwidth. Majority of the classrooms are equipped with LCD facilities, however efforts be made to acquire smart classrooms. Centralized CCTV based surveillance facility do exist for safety and security.

There are established systems and procedures for maintenance and repair of infrastructure and facilities.

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrices(QlM) in Criterion5)	
5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.3.2 QlM	**Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)**
5.4	Alumni Engagement
5.4.1 QlM	**There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

Qualitative analysis of Criterion 5
The students (slow learners) are academically supported through remedial classes and financially supported through scholarships. For skill enhancement of students, the various activities like Bootcamp,seminars, group discussions etc are conducted to improve the employability. The students are encouraged to participate in competitive examinations.

The institute provides facilities and infrastructure for capacity building and skill enhancement initiatives like Soft skills, Language and communication skills, Life skills (Yoga, physical fitness, health and hygiene), ICT/computing skills. It also provides guidance for competitive examinations and career counselling.

There has been consistent satisfactory performance in examination is observed. Some students are opting for higher education in various institutes. There is measurable growth in students placements is observed in last five years .

The Alumni Association is registered and is functional. Contribution of alumni has become a great source of inspiration and support to the college. The contribution grown up to a measurable amount of, 8.6 lakhs so for.

Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrices(QlM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QlM	**The governance of the institution is reflective of and in tune with the vision and mission of the institution**
6.1.2 QlM	**The effective leadership is visible in various institutional practices such as decentralization and participative management**
6.2	Strategy Development and Deployment
6.2.1 QlM	**The institutional Strategic / Perspective plan is effectively deployed**
6.2.2 QlM	**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 QlM	**The institution has effective welfare measures for teaching and non-teaching staff**
6.3.5 QlM	**Institutions Performance Appraisal System for teaching and non-teaching staff**
6.4	Financial Management and Resource Mobilization
6.4.1 QlM	**Institution conducts internal and external financial audits regularly**
6.4.3 QlM	**Institutional strategies for mobilisation of funds and the optimal utilisation of resources**
6.5	Internal Quality Assurance System
6.5.1 QlM	**Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes**
6.5.2 QlM	**The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities** **(For first cycle - Incremental improvements made for the preceding five years with regard to quality** **For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)**

Qualitative analysis of Criterion 6
The Institute enjoys the patronage of experienced management. There are committees in place to execute in various functions abiding by norms of regulatory bodies. The Institute follows participative management approach for smooth and effective functioning. A perspective plan is existing, but its deployment is suggested to be documented with timelines. The Institute has well defined organizational structure. The functions of various bodies, service rules, and recruitment and promotion policies are in place, but are required to be well documented. The welfare measures for the staff includes Group Insurance, Maternity leave, free bus facility etc. Regular performance appraisals for teaching and non-teaching is executed and documented.

The internal and external financial audits are conducted regularly. The main source of income for the institute is student fee.

The Institute has established IQAC cell. The quality initiatives by IQAC be further strengthened.

Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrices(QlM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.1 QlM	**Measures initiated by the Institution for the promotion of gender equity during the last five years.**
7.1.3 QlM	**Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)** • **Solid waste management** • **Liquid waste management** • **Biomedical waste management** • **E-waste management** • **Waste recycling system** • **Hazardous chemicals and radioactive waste management**
7.1.8 QlM	**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 QlM	**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 QlM	**Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).**
7.2	Best Practices
7.2.1 QlM	**Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**
7.3	Institutional Distinctiveness
7.3.1 QlM	**Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

Qualitative analysis of Criterion 7

It is evident that the institute has culture to inculcate gender equity and harmony in its social and physical environment. Equal opportunities are given to girls in admission and all the curricular and non-curricular activities. For the safety and security institute is equipped with CCTVs.The counselling is in place, however a psychological counsellor be made available. The separate common rooms are made available for boys and girls.

The institute has some policies to manage solid, liquid and E-waste. Rain water harvesting facility is available and is functional in the campus.

The Institute follows some green practices like utilization of Solar Energy, use of public transport for commuting.

Institution organizes national festivals and birth / death anniversaries of the great Indian personalities, such as

Gandhi Jayanti, Republic Day, Independence Day etc. Indian constitution is compulsory subject to all the students to bring the awareness about the rights, duties and responsibilities.

The institution maintains transparency in its financial, academic, administrative functions.

The institution has 03 best practices namely

1. Generating public visibility, curiosity and good will for the institution by conducting events open to the public free-of-charge - to trigger the support of the community in the institute's immediate vicinity as well as that of the Coimbatore district/nearby districts for enquiries and admissions

2. Institutional Means cum Merit scholarships - to recognise and acknowledge the economically disadvantaged but gifted or talented students and support them on a need basis

3. Adoption of Tech enabled learning platform like Ebox-Edutech.

Section III:OVERALL ANALYSISbased on Institutional strengths.Weaknesses,Opportunities & Challenges(SWOC)(up to 500 words)
Overall Analysis
Strength: Sufficient Infrastructure Progressive and committed Management Good number of Industry collaborations and linkages Committed faculty and staff Tech-enabled Learning facilities **Weaknesses:** Lack of research findings Progression of students to higher education Poor admission in PG courses Lack of placements in reputed companies research centres approval from the affiliating university to be obtained **Opportunities:** Institute has adequate opportunity for the expansion

Opportunity for introduction of more industry oriented technical programmes.

Promoting IPR culture among students.

Opportunity for research & development in rural technologies.

Opportunity to offer collaborative courses with other Premier Indian/foreign institutes.

Challenges:

Placing students in reputed companies

Improvement in PG student's enrolment.

Fast changing expectations from industry and society.

Students are from poor socio-economic background and come from vernacular medium.

Tangible gaps between academic and industrial practices.

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)

- Speed of the Internet shall be improved

- Teachers be encouraged to pursue their academic higher qualifications.

- Institute is advised to have alumni interactions more often.

- Institute is advised to have alumni interactions more often

- Industry-Institute interaction be strengthened

- Efforts be made to improve performance of the students in sports and cultural events.

- Lab equipments be modernized to meet industrial demands

- PG admissions shall be improved

- Faculty cadre ratio be improved

- Research and publication need to be improved

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

Signature of the Head of the Institution

Seal of the Institution

03-03-2023 04:42:09

Sl.No	Name		Signature with date
1	DR. ALOK KUMAR CHAKRAWAL	Chairperson	
2	DR. RAMESH K	Member Co-ordinator	
3	DR. PRADYUMKUMAR KADOLE	Member	
4	Dr. M.S. Shyamasundar	NAAC Co - ordinator	

Place

Date

Sl.No	Name		Signature with date
1	DR. ALOK KUMAR CHAKRAWAL	Chairperson	
2	DR. RAMESH K	Member Co-ordinator	
3	DR. PRADYUMKUMAR KADOLE	Member	
4	Dr. M.S. Shyamasundar	NAAC Co - ordinator	

03-03-2023 04:42:09