



SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956
NAAC Accredited with 'A' Grade

TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU



IQAC - EXTERNAL PEER TEAM REPORT ON PERFORMANCE OF THE COLLEGE FOR THE ACADEMIC YEAR 2021- 2022

The External Peer review meeting for Internal Quality Assurance Cell (IQAC) was held on 11.05.2023 (Thursday), 10.00 a.m., at IQAC with the following members to assess the performance of the college.

Members of External Peer Team:

- 1. Dr.C.Dhavamani** : IQAC Coordinator
Professor and Head,
Aeronautical Engineering
Mahendra College of Engineering
Mallasamudram.
- 2. Dr.K.Lakshmi** : IQAC Coordinator
Professor,
Electrical and Electronics Engineering
KSR College of Engineering
Tiruchengode

Internal Members:

Dr. R.Satishkumar, Principal	Chairman
Er.A.B.Madhan, CEO	IQAC Co-ordinator
Mr.Aravind Thirunavukkarasu, Director - CR	Member
Dr.K.Umadevi, HoD/EEE Cum Dean (P&D)	Member
Dr. B. Sujatha, Dean (Academics)	Member
Dr. K.L. Palanisamy, HoD /S&H Cum Dean (Students Affairs)	Member
Dr.T.R.Chinnusamy, Dean - Mechanical Sciences	Member
Dr. P. Ramesh Kumar, Dean (R&D)	Member
Prof.P.Thangarasu, HoD/Chemistry Cum COE	Member
Dr. T.Ayyappan, HoD/Civil	Member
Dr. M. Sakthivel, HoD/CSE	Member
Dr. C. Aarthi, HoD /ECE	Member
Prof.S.Umamaheswari, AP/MBA	Member
Mr. N. Thiru Senthil Adhiban, HoD/Mech	IQAC Deputy Coordinator

D. Dhavamani
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The Chairman of the IQAC welcomed the external review members and internal IQAC members; pointed out about the bench mark that has been formulated for the enhancement of the quality of the institution.

The committee verified and noted the following key parameters with respect to the performance of the institution:

- i. Curricular Aspects
- ii. Teaching- Learning and Evaluation
- iii. Research, Innovations and Extension
- iv. Infrastructure and Learning Resources
- v. Student Support and Progression
- vi. Governance, Leadership and Management
- vii. Institutional Values and Best Practices

I. CURRICULAR ASPECTS

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	✓		
2	Implementation of choice-based credit system (CBCS)		✓	
3	Adequacy of courses having focus on employability/entrepreneurship/skill development	✓		
4	Evidence of procedures for framing POs, PSOs and their adequacy		✓	
5	Evidence of attainment of POs, PSOs against set targets		✓	
6	Evidence for framing of COs and their attainment against set targets	✓		
7	Evidence for structured feedback system		✓	
8	Quality of IAT and ESE question papers		✓	
9	Preparation and adherence to academic Calendar by the institution		✓	
10	Implementation of Examination reforms	✓		

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11/5/2023

II. TEACHING - LEARNING AND EVALUATION

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Faculty: Student Ratio	✓		
2	Students' progression without backlog in any semester		✓	
3	Students completing the programs in the stipulated time		✓	
4	Number of students placed and their median salary		✓	
5	Number of students clearing NET/UPSC/CAT/GATE/GRE/IES Exams		✓	
6	Adequacy of guest/technical lectures arranged for students		✓	
7	Adequacy of industrial visits arranged for students		✓	
8	Relevance of one credit courses		✓	
9	Evidence for students completing NPTEL courses		✓	
10	Student mentoring system	✓		
11	Scholarship/Financial aid to students	✓		
12	Activities and support from the Alumni Association		✓	
13	Performance in sports activities		✓	
14	Placement services provided to students		✓	
15	Learning Through Entrepreneurship Cell	✓		
16	Learning beyond class room		✓	
17	Student Council & representation of students on academic & administrative bodies / committees of the institution	✓		
18	Adequacy of workshops conducted on Entrepreneurship/IPR/Innovative practices			✓
19	Student exchange programs/ activities		✓	

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STUDENTS ON ROLL

Department	I Year	II Year	III Year	IV Year
B.E. - Civil	07	26	01	09
B.E. - CSE	71	66	27	42
B.E. - ECE	44	37	14	33
B.E. - EEE	17	39	11	26
B.E. - Mechanical	11	34	12	45
M.E. - Structural	18	09	-	-
M.E. - CSE	08	08	-	-
M.E. - VLSI	05	03	-	-
MBA	36	23	-	-
Total	217	245	65	155

FACULTY STRENGTH

Department	Prof	AsP	AP	Total
Principal	01	-	-	01
Civil	-	01	22	23
CSE	02	03	18	21
ECE	02	01	26	29
EEE	01	03	18	21
MECH	01	-	13	14
M.B.A.	01	02	05	08
S&H	01	01	22	24
Total	09	11	124	141

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III. RESEARCH, INNOVATION S AND EXTENSION

S. No	Criterion	Rating		
		Very Good	Good	Satisfactory
1	Faculty profile and the adequacy of Faculty members as per the norms of AICTE	✓		
2	Faculty members recognized as research guides	✓		
3	Faculty members with PhD from universities other than Tamil Nadu and abroad	✓		
4	Quality of Faculty Publications		✓	
5	Quality of research projects	✓		
6	Evidence for research grants received from various agencies		✓	
7	Evidence for consultancy activities		✓	
8	Evidence for patents / published/ awarded			✓
9	Adequacy of faculty training programs (FDP/STTP)		✓	
10	Adequacy of number of conferences and workshops attended by the faculty members	✓		
11	Adequacy of number of workshops /FDPs/STTPs/Conferences conducted by the department		✓	
12	Provision of seed money to teachers for research		✓	
13	Revenue generated from corporate training by the institution		✓	
14	Training programs for new faculty members		✓	
15	Awards for faculty members		✓	

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IV. INFRASTRUCTURE AND LEARNING RESOURCES

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Evidence for use of ICT in teaching learning process	✓		
2	Adequacy of facilities for teaching - learning.viz., classrooms, laboratories		✓	
3	Adequacy of modern equipment in the laboratories	✓		
4	Adequacy of facilities for sports and cultural activities		✓	
5	Improvements in the library services	✓		
6	Adequacy of books and journals available in library	✓		
7	Computerization of administration and the process of admissions and examination results, issue of certificates		✓	
8	Computer and internet access and training to teachers, non-teaching staff and students	✓		
9	Number of start-ups incubated on campus		✓	

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V. STUDENT SUPPORT AND PROGRESSION

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Students' participations in IIT's, NIT's, Govt Institutions and private Institutions.		✓	
2	Prize achievements in various events.		✓	
3	Participants in social awareness activities.	✓		
4	Scholarships and financial supports		✓	
5	Institutional mechanism for transparency, timely redressal of students grievances, presentation of sexual harassment and ragging causes.	✓		
6	Student progression to higher education.			✓
7	No of awards /medals for outstanding performance in sports /cultural activities at national and international levels		✓	
8	Role of alumni in college development		✓	

VI. GOVERNANCE, LEADERSHIP AND MANAGEMENT

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Functioning of academic bodies as per UGC guidelines (Governing Body, Academic Council, Finance Committee and Board of Studies etc.)	✓		
2	Evidence of Minutes of the Boards of Studies/ Academic Council meetings etc.		✓	
3	Functioning of IQAC		✓	
4	Implementation of ISO		✓	
5	Institution has Performance Appraisal System for faculty members	✓		

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VII. INSTITUTIONAL VALUES AND BEST PRACTICES

S. No	Criterion	Rating		
		Very good	Good	Satisfactory
1	Adequacy of MoUs signed with institutions /industries		✓	
2	Adequacy of Gender equity promotion programs organized by the institution	✓		
3	Annual power requirement of the institution met by the renewable energy sources		✓	
4	Waste Management		✓	
5	Rain water harvesting structures and utilization in the campus	✓		
6	Green Practices		✓	
7	Differently abled Friendliness Resources in the institution	✓		
8	Industry Institute interaction	✓		
9	Institutional best practices	✓		

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11/5/2023

CONCLUDING REMARKS


- As per IQAC - AQAR requirements, documents were presented
- Dissemination of Vision – Mission, PO, PEO, PSO need to improve
- All Criterion presented well
- Very good Presentation in Overview
- The committee appreciates the well-maintained academic records/course files, student's involvement in various co-curricular and extra-curricular activities.


SUGGESTIONS FOR IMPROVEMENT


- Institutional Policy to be improved
- Policy for slow - advanced learners need to create
- Media center for video lecturing system need to establish
- Sewage Water Treatment Plant need to establish
- Infrastructure, Consultancy work need to improve
- Graduate Exit Survey to be included
- ICT enabled classroom to be enhanced
- Research publication and Research Supervisors to be increased
- Course Outcome and Program Outcome Mapping & Attainment to be inculcated among all faculty Members

The committee appreciates and thanks the members of IQAC.

The committee observed and satisfied the considerable improvement in all the key performance indicators measured by National Bodies.


Dr. C. Dhavamani
IQAC Coordinator
Professor & Head,
Department of Aeronautical Engineering
Mahendra Engineering College
Mallasamudram


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IQAC Coordinator
Professor,
Department of Electrical and Electronics
Engineering
KSR College of Engineering
Tiruchengode


Dr. R. Satishkumar
Principal cum Chairman IQAC,
Sengunthar Engineering College,
Tiruchengode.