DEPARTMENT ACADEMIC AUDIT REPORT

1. Profile of the Department : ELECTRICAL AND ELECTRONICS DEPARTMENT

A. Basic Information of the Department:

Name of the Department: Electrical & Electronics Engineering	
Name of the HOD:	Prof. Kantesh D C
Year of established:	**2009**
Intake:	**30**
Academic year:	**2023-24**
No of alumni meeting conducted:	**ONE**
No. of AA conducted:	**ONE**
Contact information for Communication:	**eee.hod@aitmbgm.ac.in ; 8951080301**

B. Number of teaching and non-teaching positions in the Department

Positions	Teaching Faculty						Non- Teaching		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
2023-24	1	0	0	0	3	3	1	0	1	1
	Total Number Faculties					7				
	Total Technical staff					2				

Note: HEI approved List

C. The number of the students admitted to the Department during the last four academic years.

Categories	Year 1 (2023-24)		Year 2 (2022-23)		Year 3 (2021-22)		Year 4 (2020-21)		Total
	Male	Female	Male	Female	Male	Female	Male	Female	
SC	2	0	4	1	5	3	3	2	18
ST	0	0	0	0	1	0	1	0	2
OBC	7	8	12	11	11	5	14	4	65
General	2	0	1	3	0	1	0	0	4
Others	0	0	1	0	0	0	0	0	1
Total	11	8	18	15	17	9	18	6	102

Note: HEI approved List

Criterion	Metric No	Items	Verification (yes/No)	Comments	Suggestions for improvement
Academic Performance					
Curricular Aspects	1.1	The department adheres to the academic calendar including for the conduct of CIE	Yes	Good	NIL
	1.2	The Department ensures effective curriculum delivery through a well-planned and documented process	Yes	Good	Use more ICT facilities to enhance the teaching learning process. Adapt Experiential leaning
	1.3	Teachers of the department participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last. 1. Academic council/BoS of Affiliating university. 2. Setting of question papers for UG/PG programs. 3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses. 4. Assessment /evaluation process of the affiliating University	Yes	proper documentation is required	Increase the no of faculty participation in university level bodies
	1.4	Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented.	Yes	Satisfactory	NIL
	1.5	Number of Add on /Certificate programs. offered during the last year.	Yes	No add on /Certificate programs.	Take initiation to start add on/certification courses in department level

	1.6	Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last years	Yes	NIL	Need to take up the certification programss
	1.7	The courses that include experiential learning through project work/field work/internship during the years.	Yes	Satisfactory	Satisfactory
	1.8	Percentage of students undertaking project work/field work/ internships	Yes	Satisfactory	Satisfactory
	1.9	Institution obtains feedback on the syllabus and its transaction at the Department from the following stakeholders 1. Students 2. Teachers 3. Employers 4. Alumni	Yes	Satisfactory	Satisfactory
	1.10	Feedback process of the Department may be classified as follows: Options: Feedback collected, analyzed and action taken and feedback available on website Feedback collected, analysed and action has been taken Feedback collected and analysed Feedback collected Feedback not collected	Yes	Not found on the website	Satisfactory
	2.1	The Department assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners.	Yes	Satisfactory	Satisfactory

Teaching-Learning and Evaluation	2.2	Student- Full time teacher ratio	Yes	Satisfactory	Maintain cadre ratio
	2.3	Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences	Yes	found less experiential learning, participative learning and problem-solving in teaching learning process	Adapt the experiential learning, participative learning and problem-solving in teaching learning process
	2.4	Teachers use ICT enabled tools for an effective teaching-learning process.	Yes	Make use of more ICT Tools	NA
	2.5	Ratio of mentor to students for academic and other related issues	Yes	Good	Conduct more interactions
	2.6	Mechanism of internal assessment is transparent and robust in terms of frequency and mode	Yes	Good	NA
	2.7	Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.	Yes	Good	Awareness among the students is less
	2.8	Attainment of Programme outcomes and course outcomes are evaluated by the institution.	Yes	Good	Implement proper assessment of students through indirect method
	2.9	Average pass percentage of Students during last years	Yes	Satisfactory	Satisfactory
	2.10	Online student satisfaction survey regarding to teaching learning process.	Yes	Satisfactory	Satisfactory
	3.1	Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last	Yes	Satisfactory	Satisfactory

		years (INR in Lakhs)			
	3.2	Percentage of departments having Research projects funded by government and non-government agencies during the last years	Yes	Less	Fetch more Grants
	3.3	Number of Seminars/conferences/workshops conducted by the department during the last years	Yes	Satisfactory	Satisfactory
	3.4	Number of papers published per teacher in the Journals notified on UGC website during the last years	Yes	Less publications	Target Scopus, SCI journals
Research, Innovations and Extension	3.5	Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last years	Yes	NIL	Need to Improve
	3.6	The department has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the last years	Yes	Satisfactory	Take Imitative
	3.7	Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last years	Yes	Not Satisfactory	Have Core Company MOUs like Design and Manufacturing Units
	4.1	The department has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment	Yes	Good	NA

		etc.			
Infrastructure and Learning Resources	4.2	The number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.	Yes	NIL	Adapt ICT Facility in class room
	4.3	department frequently updates its IT facilities including Wi-Fi	Yes	Yes	Need to improve
	4.4	Student – Computer ratio	Yes	Less in Number	Maintain proper Student Computer ratio in the department
	4.5	There are established SOP for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.	Yes	Not Found	Need to follow the SOPs
Student Support and Progression	5.1	Capacity building and skills enhancement initiatives taken by the department include the following 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. ICT/computing skills	Yes	No such training is providing from the department side	Take initiation to provide the facility for the same to the Students.
	5.2	Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last years	Yes	Satisfactory	Satisfactory
	5.3	Average percentage of placement of outgoing students during the last years	Yes	Less	Need to improve
	5.4	Average percentage of students progressing to higher education during the last years	Yes	Less	Need to improve

	5.5	Average percentage of students qualifying in state/national/ international level examinations	Yes	Less	Need to improve
	5.6	Describe best practices successfully implemented by the department as per the format provided below.	Yes	Satisfactory	Satisfactory

1. SWOC and Perspective/Strategic plan of the department:

Strengths:

- The Department of EEE has qualified and dedicated faculty.
- All the laboratories are as per the curriculum and are established on par with state of art technology.
- Excellent central library including separate department library and computing, Internet facilities are available in excess of the norms stipulated.
- Mechanism is available for direct mentoring of students by faculty, interacting with students, and directing them to upgrade their skills.

Weakness:

- Number of volumes and journals in the department library need to be increased.
- The activities through Industry Institution Interaction Cell are to be improved.
- Soft skills and communication skills of students need to be improved.
- Student and staff are to be encouraged for paper presentation at various National/International conferences, workshops and seminars.

Opportunities:

- Increased demand of engineers in power sector.
- Scope for enhanced research work to be carried out in all related field of electrical engineering.
- Possibility of becoming effective and individual entrepreneurs by enjoying the benefits and encouragement given by the management.
- More employment potential in research centers and bodies like CPRI, DRDO etc.,
- Scope for the development of interdisciplinary projects useful for society.

Challenges:

- Global recession may hamper placement opportunities for students.
- To come out from this challenge the desired course objectives and outcomes are to be achieved satisfactorily.
- To frame and design an effective Curriculum, Teaching learning methodologies that bridges the gap between Industry and Institution.
- Development of advanced teaching & learning methodologies and evolution, personal interaction by developing smart classrooms and mechanism for effective evaluation.

2. Best Practice(s)/innovations of the department:

- Industrial mentorship program
- Alumni Interaction
- Industrial Visit
- Student Mentorship Program

3. Future plans of the Department:

- Concentrate on the placement of the students in core, IT and Electronics related companies.
- Encouraging students for the entrepreneurship.
- Take up the NBA accreditation at department level.
- Focusing on research grants.
- Electrical Vehicle Incubation center in the department

4. Remarks of the Auditing team:

1. In some matrices you have not submitted any information and data so please review such matrix discus with IQAC and come to a final conclusion on those matrices.
2. Concentrate on the R&D, paper publications and alumni interaction.
3. In the above report we highlighted some points with red color and mentioned a few points in the remark column so please incorporate the same in the report.

4. Showing only two best practices in the department is not enough.

5. Remarks of the IQAC:

As per the reviews and feedback from the auditing committee

- The department should focus more on proper documentation of the academic, curricular and extra-curricular activities in time.
- The department should take some new initiatives related to strengthen and improve the technical skills among the students.
- Audit Report of the department found Satisfactory.

1.
2. D. S. Kulkarni
3. (Vidyadhar H)

Head of the Department
Electrical & Electronics Engineering
Angadi Institute of Technology And Management
Savagaon Road, Belagavi-590 009

Name & Signature of the HOD with seal:

Name & Signature of the Academic Audit Expert

IQAC

Principal & Director
Angadi Institute of Technology And Management
Dr.Suresh Angadi Marg,Savagaon Road,
Belagavi-590009 Ph: 0831-2438100

Date: