



Department Academic Audit Report

1. Profile of the Department

A. Basic Information of the Department:

Name of the Department: Mechanical Engineering	
Name of the HOD:	Dr. Malagouda Patil
Year of established:	2010
Intake:	60
Academic year:	2023-24
No of alumni meeting conducted:	NIL
No. of AA conducted:	ONE
Contact information for Communication:	mech.hod@aitmbgm.ac.in ; Mob: - 8867220064

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	2	-	-	-	11	-	1	-	3	-

Note: HEI approved List



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

2023-24	Year 1		Year 2		Year 3		Year 4	
Categories	Male	Female	Male	Female	Male	Female	Male	Female
SC	1	-	4	-	1	-	1	-
ST	-	-	3	-	1	-	-	-
OBC	1	-	8	-	11	-	1	-
General	4	-	18	-	-	-	11	-
Total	06	-	55	-	32	-	13	-

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	Found satisfactory document records	NIL
	1.2	The Department ensures effective curriculum delivery through a well-planned and documented process	Yes	Found satisfactory document records	Adapt innovative teaching methods such as flipped classrooms, project-based learning, technology integration, collaborative learning, and continuous assessment to foster active engagement and prepare students for successful careers.
	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.	Yes	Found satisfactory document records	NIL
	1.4	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	In all courses	
	1.4	Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has	Yes		



	been implemented.			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 programs
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: <ul style="list-style-type: none">Feedback collected, analyzed and action taken and feedback available on websiteFeedback collected, analyzed and action has been takenFeedback collected and analyzedFeedback collectedFeedback not collected	Yes	Not found in website	Satisfactory
2.1	The Department assesses the learning levels of the	Yes	Satisfactory	Satisfactory



Uresh Angadi Education Foundation's
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Teaching-Learning and Evaluation		students and organizes special Programmes for advanced learners and slow learners.			
	2.2	Student- Full time teacher ratio	Yes	Found Satisfactory (1:22)	Maintain cadre ratio in the department
	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
Research, Innovations and Extension	3.1	Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last years (INR in Lakhs)	Yes	NIL	submit for grant proposal
	3.2	Percentage of departments having Research projects	Yes	Less Grants	Fetch more Grants



	funded by government and non-government agencies during the last years			
3.3	Number of Seminars/conferences/workshops conducted by the department during the last years	Yes	NIL	NIL
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
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	NIL
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 up more activities
3.7	Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the last years	Yes	Satisfactory	Have Core Company MOUs
Infrastructure and Learning Resources	The department has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.	Yes	Good	NA
	The number of classrooms and seminar halls with ICT-enabled facilities such as smart class, LMS, etc.	Yes	In one classroom	Satisfactory
	department frequently updates its IT facilities including Wi-Fi	Yes	Yes	Need to improve
	Student – Computer ratio	Yes	1:6	Maintain proper Student Computer ratio in the department
	There are established SOP for maintaining and utilizing	Yes	Not Found	Maintain separate register in



		physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.			each lab
Student Support and Progression	5.1	Capacity building and skills enhancement initiatives taken by the department include the following <ol style="list-style-type: none">1. Soft skills2. Language and communication skills3. Life skills (Yoga, physical fitness, health and hygiene)4. ICT/computing skills	Yes	Satisfactory	Satisfactory
	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 ME has well qualified and dedicated faculty.
- All the laboratories are as per the curriculum and are established on par with state of art technology.
- Regular maintenance and Calibration of all the equipment's are carried out.
- Excellent central library including separate department library and computing, Internet facilities are available.
- 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.

Opportunities:

- Increased demand of mechanical engineers in Automation sector.
- Possibility of becoming effective and individual entrepreneurs.
- More employment potential in research centers and bodies like CPRI, DRDO, HAL, NAL and other PSU sectors.
- 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

3. Future plans of the Department:

- Enhance Student Placements: Focus on securing placements in core companies.
- Achieve NBA Accreditation: Pursue National Board of Accreditation (NBA) accreditation.
- Secure Research Grants: Actively seek research grants to support initiatives and innovation



4. Remarks of the Auditing team:

1. Remarks of the IQAC:

- Some matrices are missing information and data; please review these matrices, discuss them with the IQAC, and reach a final conclusion.
- Focus on enhancing R&D activities, increasing paper publications, and fostering alumni interaction.
- In the report, we highlighted several points in red and included additional comments in the remarks column; please ensure these are incorporated into the final document.
- Presenting only two best practices in the department is insufficient.
- Audit Report of the department found Satisfactory.

1. Dr. M. K. Patil *(M. K. Patil 28/10/24)*
2. Mr. Sagar. L. Belgaonkar *(S. L. Belgaonkar 20/10/2024)*
3. Mr. Ravi B. Tilaganji *(R. B. Tilaganji 25/10/24)*

(Dr. M. K. Patil) *(M. K. Patil 28/10/24)*

Name & Signature of the HOD with seal:
Head of the Department
Mechanical Engineering
Angadi Institute of Technology And Management
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(M. K. Patil 28/10/24)

IQAC
IQAC COORDINATOR

Date: *25/10/24*
ANGADI INSTITUTE OF
TECHNOLOGY & MANAGEMENT,
BELAGAVI - 09.

Name & Signature of the Academic Audit Expert



Principal & Director

Principal & Director
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