



Minutes of Meeting

ACADEMIC ADVISORY COMMITTEE (AAC)
DEPARTMENT OF MECHANICAL ENGINEERING
23th Dec 2024

Present Members:

Dr. B.P. Patil, Principal at AIT (Chair)
Colonel Vaibhav Trivedi, Indian Army, AIT Alumnus Representative
Mr. Nitish Rai, Founder and CEO of FreightFox, AIT Alumnus Representative & Entrepreneurship
Prof. (Dr.) Sandeep Anasane, COEP, External Academic Expert
Mrs. Anita Vibhute, Parent Representative
Prof. (Dr.) U V Awasarmol, HoD, Dept. of Mechanical Engineering
Prof. R.S. Verma, Faculty Representative, Dept. of Mechanical Engineering
Prof. V.R. Kulkarni, Faculty Representative, Dept. of Mechanical Engineering
Prof. R.S. Godse, Faculty Representative, Dept. of Mechanical Engineering

Student Representatives:

Kumari Sonali Singh (BE Mech)
Rohit Kumar (TE Mech)
Taniya (TE Mech)
Pooja (SE Mech)
Ajay Thakur (SE Mech)
Yuvraj Vibhute (SE Mech)

PROCEEDINGS:

Welcome:

The meeting was called to order by HOD at 3: 15 PM with a warm welcome to all members.

Confirmation of Last Meeting Minutes:

The minutes of the previous meeting were read by Prof. V R Kulkarni and approved unanimously by the committee without objections.

Department Presentation by HOD (Mech):

A) Department Profile:

- 14 Faculty members and 9 supporting staff.
- Faculty qualifications and specializations were discussed.

B) Achievements:

- Significant number of Ph.D. holders.
- Recognition for teaching excellence.



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- 11 publications, including 4 in SCI journals.
- Contribution to syllabus formation and preparation for National Board of Accreditation (NBA) compliance.

C) Vision, Mission, and PEOs:

The department's vision and mission of fostering innovation and excellence in mechanical engineering education and research was reiterated.

The mission statements were discussed, focusing on developing technically sound, socially responsible engineers with a global perspective.

Program Educational Objectives (PEOs):

- PEO 1: To prepare graduates with a strong foundation in Mechanical Engineering fundamentals and technical skills.
- PEO 2: To enable graduates to excel in their careers through continuous learning and adaptability to technological changes.
- PEO 3: To foster leadership, teamwork, and ethical responsibility in graduates, contributing positively to society and the environment.

Suggestions were made to align PEOs more closely with industry expectations and global trends in mechanical engineering.

Revision Request: It was proposed by HOD to revise the Vision, Mission, PSOs, and PEOs, as they had not been updated for more than three years. All external expert members gave their opinions and advice on this matter. The committee decided to conduct a brainstorming session within the department before sending the revised statements to stakeholders for feedback.

D) Research and Development:

Discussion was held on establishing a new branch of Automation and Robotics, allocating resources, and collaboration opportunities in Research and Development area.

E) Academic Results:

Prof. V R Kulkarni and Prof. R.S. Verma presented an overview of academic results for TE, SE, and BE students. They highlighted achievements and areas for improvement. External expert members motivated faculty members to mentor students and emphasised effective feedback systems for timely interventions.

F) Facilities:

During discussion, upon question from external academic expert Prof. Dr Sandeep Anasane, the committee was apprised about existing teaching tools such as smart classrooms, moodle, projector presentation systems, and also about various software's such as SolidWorks, ANSYS, ABACUS, MASTRCAM etc, specialized laboratories and planned enhancements to align with industry standards.



G) Placements:

The detailed report on placement statistics, including placement percentages, average salaries, and notable recruiters. External expert members expressed that students should join core mechanical companies more than IT. The committee discussed engagement of industries in academic and placement activities and shared insights into existing partnerships and highlighted successful alumni contributions.

H) Brainstorming/Structured Discussion:

a) New Branch: Robotics and Automation:

Points discussed

Focus on creating advanced labs for robotics, automation systems.

AI integration and mechatronics.

Proposed benchmarking against other institutions to identify best practices.

Suggested collaboration with industry experts to meet current standards.

b) Internship and Employment Betterment:

Colonel Vaibhav Trivedi highlighted:

- Skills development and long-term career value.
- Importance of building professional networks.
- Adaptability, exploration of diverse industries, and alignment of career goals.

Mr. Nitish Rai emphasized:

- The need for a dynamic, skill-based curriculum to align with industry advancements.
- Ensuring that the curriculum reflects current and future industry demands.

c) Salary and Stipend during Internship:

Discussed prevailing salary structures in the service and manufacturing sectors.

Encouraged real-world problem-solving in student projects through external sources.

(I) Proposed Action Points:

- Addressing student commitments and fostering a mind-set shift for adaptability and innovation by hosting interactive sessions with industry experts and alumni for mentorship and networking.
- Incorporation of value-added and audit courses to enhance student competencies.
- Highlighting AIT's unique selling propositions (USP)
- Encouragement of data-driven qualification enhancements aligned with the department's vision and mission.
- Development of soft skills to enhance employability and workplace readiness.



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(J) Closing:

HoD and faculty members expressed gratitude for active participation of external expert members.

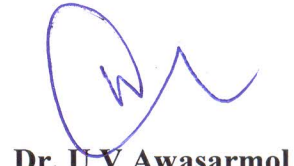
(K) Vote of Thanks:

Prof. V.R. Kulkarni delivered a vote of thanks to conclude the meeting.



Prof. V R Kulkarni

Workshop Superintendent



Dr. U V Awasarmol

Professor and Head

Venue:- Mechanical Engg. Departmental Library

Date 23/12/ 2024 (3.15PM)