Department of Electrical and Electronics Engineering (E.E.E.)

28.05.2026

Minutes of 1st Industry Alumni Advisory Board(IAAB) Meeting Held on 26.05.2026

The 1st IAAB meeting was conducted online via Microsoft Teams on May 26, 2026, at 3:30 p.m. at MITS, Madanapalle.

Agenda:

1. Vision & Mission of the department.
2. Discussion about PEOs and PSOs.
3. Structure and Syllabus for II, III & IV Year B. Tech E.E.E. Program.

Members Present (Online):

Sl. No.	Name and Designation of the Staff	Member
1.	**Dr. Manavaalan Gunasekaran** Assoc. Professor & Head, Dept. of E.E.E., MITS	**Chairman**
2.	**Mr. Vishnu Charan Thippana** Principal Electrical Engineer, ABB Limited, Norway.	Industry Expert Member
3.	**Dr. Y. Suresh** Associate Professor, NIT Karnataka	Subject Expert Member
4.	**Mr. Akkenaguntla Karthik** Energy Markets Analyst	Distinguished Alumni Member
5.	**Dr. C. Kamal Basha** VP Admin. & Professor, Dept. of E.E.E., MITS	Member
6.	**Dr. A. V. Pavan Kumar** Assistant Dean &Professor, Dept. of E.E.E., MITS	Member
7.	**Dr. Somu Vijaya Bhaskar** Associate Professor, Dept. of E.E.E., MITS	Member
8.	**Dr. R. Saravanakumar** Assistant Professor, Dept. of E.E.E., MITS	Academic Coordinator - UG
9.	**Dr. Satish Kumar Ramoji** Assistant Professor, Dept. of E.E.E., MITS	Academic Coordinator – PG
10.	**Dr. T. S. Balaji Damodhar** Assistant Professor, Dept. of E.E.E., MITS	Member
11.	**Dr. Vineet Kumar** Assistant Professor, Dept. of E.E.E., MITS	Member
12.	**Dr. K. Lakshmikhandan** Associate Professor, Dept. of E.E.E., MITS	Member
13.	**Dr. Sarat Kumar Mishra** Assistant Professor, Dept. of E.E.E., MITS	Member
14.	**Mr. Rajesh KS** Assistant Professor, Dept. of E.E.E., MITS	DIQAC Member
15.	**Dr. V. B. Thurai Raaj** Assistant Professor, Dept. of E.E.E., MITS	Member
16.	**Dr. B. Karthick** Assistant Professor, Dept. of E.E.E., MITS	Member

Minutes of Meeting:

HoD welcomed the members and presented the Vision, Mission, PO's, PEO's and PSO's of the Department.

1. **Revised vision and mission of the department after discussion are as follows:**

Vision:

To achieve academic excellence in Electrical and Electronics Engineering through quality education, innovative research, and societal engagement, while nurturing ethical values, professional competence, and lifelong learning to serve regional, national, and global needs.

Mission:

1. To provide a dynamic learning environment that imparts strong fundamentals and advanced technical knowledge in Electrical and Electronics Engineering through outcome-based education.
2. To promote research, innovation, entrepreneurship, and interdisciplinary collaboration to developing sustainable and technology-driven solutions to societal and industrial challenges.
3. To cultivate critical thinking, ethical values, leadership qualities, and professional competencies among students for successful careers and lifelong learning.
4. To engage with industry, alumni, and community for enhancing practical exposure, employability, and societal contribution through outreach and collaborative activities.

2. **Revised PEOs and PSOs of the B.Tech. Electrical and Electronics Engineering after discussion are as follows:**

PEO1:
Graduates will establish successful careers in Electrical and Electronics engineering and allied domains by applying strong fundamentals, analytical skills, and modern engineering tools.

PEO2:
Graduates will pursue higher studies, research, innovation, entrepreneurship, and lifelong learning to meet emerging technological and societal needs.

PEO3:
Graduates will develop sustainable and industry-focused solutions in power systems, renewable energy, electric vehicles, automation, control systems, and smart technologies.

PSO1 – Power and Energy Engineering

Apply electrical engineering principles to design, analyze, and operate power systems, electrical machines, power electronics, and energy systems efficiently and sustainably.

PSO2 – Intelligent Control, Automation, and Electric Mobility
Develop and implement solutions using control systems, industrial automation, embedded systems, electric drives, and electric vehicle technologies to address real-time industrial and societal needs.

PSO3 – Computational Tools, Research, and Emerging Technologies
Utilize modern software tools, IoT, AI, renewable energy technologies, and research methods to solve problems and innovate in Electrical and Electronics Engineering.

3. Revised PEOs and PSOs of the M.Tech. Electric Vehicle Technology after discussion are as follows:

PEO1:
Graduates will build successful careers in Electric Vehicle Technology and related industries using advanced technical knowledge and modern engineering tools.

PEO2:
Graduates will pursue higher studies, research, innovation, entrepreneurship, and lifelong learning to address emerging challenges in sustainable transportation and energy systems.

PEO3:
Graduates will develop efficient, eco-friendly, and intelligent solutions in electric mobility, battery systems, charging infrastructure, power electronics, and smart transportation technologies.

PSO1 – Electric Mobility and Powertrain Systems
Apply electrical engineering principles to design, analyze, optimize, and manage electric vehicle powertrains, electric drives, battery systems, and power systems.

PSO2 – Charging Infrastructure and Intelligent Control
Develop solutions for EV charging systems, smart grids, vehicle control systems, embedded systems, and intelligent transportation applications.

PSO3 – Emerging Technologies and Sustainable Innovation
Utilize modern computational tools, simulation platforms, IoT, AI, renewable energy integration, and research methods for innovation in Electric Vehicle Technology.

4. Structure and Syllabus for B. Tech EEE Program

The committee discussed the R25 curriculum structure applicable for II, III & IV Year. The detailed syllabus for all courses in the II Year was presented. The committee members examined course content, objectives, and outcomes. The structure was reviewed in detail, and following changes were suggested.

1. Add advanced software such as PSIM, ALTIUM in the Simulation Tools for Electrical Engineers course in the II year I Semester.
2. Suggested Signals and Networks course instead of Probability and statistics in the II year II Semester.

5. Structure and Syllabus for M. Tech Electric Vehicle Technology Program

The committee discussed the R25 curriculum structure applicable for I and II Year. The detailed syllabus for all courses in the I Year was presented. The committee members examined course content, objectives, and outcomes. The structure was reviewed in detail, and following changes were suggested.

1. It is recommended to standardize the duration of all course units to a uniform 9 hours across all subjects.
2. Include more studies about GAIN, SCIs, MOSFETs in Power electronic subject.

Resolution:

The IAAB authorises the Chairperson and IDC to make appropriate changes and finalise the syllabus based on the discussions and recommendations.

IAAB Chairman

Outlook

Re: MoM of 1st IAAB meeting

From Vishnu charan Thippana <thippana.charan@gmail.com>
Date Thu 6/25/2026 2:54 PM
To HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>
Cc akarthik160@gmail.com <akarthik160@gmail.com>; Suresh Yellasiri <ysuresh.ee@gmail.com>

Approved

Best Regards
Vishnu

On Wed, 24 Jun, 2026, 14:20 HoD-Electrical & Electronics Engineering, <eeehod@mits.ac.in> wrote:

> Dear Sir,
> Greetings
>
> Request your approval for the IAAB Minutes of Meeting held on **26/05/2026 at 03:30 PM** via **Microsoft Teams**.
>
> The MoM are attached to the mail for your kind consideration.
>
> Thanking you
>
> *With Regards,*
>
> *With Regards,*
>
> **Dr. Manavaalan Gunasekaran** M.E., Ph.D. (IITK)
> Associate Professor & Head
> Department of EEE,
> Madanapalle Institute of Technology & Science,
> MITS Deemed to be University,
> 2025 NIRF (Band 201-300), NAAC A+,
> Madanapalle - 517 325
> Mob: +91-9160020781
> E-mail Id: eeehod@mits.ac.in

Outlook

Re: MoM of 1st IAAB meeting

From Dr. Y.Suresh Faculty, Electrical Dept <ysuresh.ee@nitk.edu.in>
Date Thu 6/25/2026 3:02 PM
To HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>

Dear Prof,
Greetings.

I approve the same.

Thank you

Dr.Y.Suresh,
Associate Professor,
Department of Electrical and Electronics Engineering,
National Institute of Technology, Karnataka.
Mob:7411069506, 7780201432.

On Thu, 25 Jun 2026, 13:58 HoD-Electrical & Electronics Engineering, <eeehod@mits.ac.in> wrote:

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> Associate Professor & Head
> Department of EEE,
> Madanapalle Institute of Technology & Science,
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> 2025 NIRF (Band 201-300), NAAC A+,
> Madanapalle - 517 325
> Mob: +91-9160020781
> E-mail Id: eeehod@mits.ac.in

Outlook

Re: MoM of 1st IAAB meeting

From A karthik <akarthik160@gmail.com>
Date Fri 6/26/2026 1:05 PM
To HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>
Cc Vishnu charan Thippana <thippana.charan@gmail.com>; Suresh Yellasiri <ysuresh.ee@gmail.com>

Dear Sir,

Approved.

Regards,

A. Karthik

LinkedIn Profile: https://www.linkedin.com/in/akkenaguntla-karthik-515816161/

On Wed, 24 Jun, 2026, 5:50 pm HoD-Electrical & Electronics Engineering, <eeehod@mits.ac.in> wrote:

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