Madanapalle Institute of Technology & Science
Deemed to be University

Department of Electrical & Electronics Engineering

29.08.2025

Minutes of 1st Board of studies (BoS) Meeting Held on 28.08.2025

The 1st BoS meeting is held on 28.08.2025 at 4.00 pm virtually via Microsoft Teams, MITS (Deemed to be University), Madanapalle.

Agenda:

1. Discussion on R25 Structure of I year B.Tech. (EEE and other branches),
2. Discussion on Detailed Syllabus of I year B.Tech. (EEE and other branches),
3. B. Tech Program R25 MITS Deemed to be University 160 Credits
4. B. Tech Program provisions for Honor & Minor Degree - R25 MITS Deemed to be University (Additional 18 Credits)
5. Any other matter with the permission of the chair.

Members :

S. No.	Committee Members	Positions	Signature
1	Dr. A. V. Pavan Kumar HoD, Dept. of EEE, MITS	Chairman	Pavf
2	Dr. K. Siva Kumar Professor, Dept. of EE, IIT Hyderabad	Subject Expert	Email Approval
3	Dr. Balakrishna P Senior Engineer – Emerging Technologies, GE Grid Solutions, Hyderabad.	Industry Expert	Email Approval
4	Mr. K. B. Venugopal, Senior Engineer – P&C, Atkins Réalis, Bangalore, India	Alumni Representative	Email Approval
5	Mr. B. Vishnu Vardan Reddy, IV year EEE, MITS, Madanapalle	Student Representative	B.VishnuVardhanReddy
6	Dr. C. Kamal Basha VP Admin. & Professor, Dept. of EEE, MITS	Member	
7	Dr. Somu Vijaya Baskar Associate Professor, Dept. of EEE, MITS	Member	
8	Dr. Arul Kumar K Associate Professor, Dept. of EEE, MITS	Member	
9	Dr. Vineet Kumar Assistant Professor, Dept. of EEE, MITS	Member	Vineethkumar
10	Dr. Satish Kumar Ramoji Assistant Professor, Dept. of EEE, MITS	Member	

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7	Dr. Somu Vijaya Baskar Associate Professor, Dept. of EEE, MITS	Member	
8	Dr. Arul Kumar K Associate Professor, Dept. of EEE, MITS	Member	
9	Dr. Vineet Kumar Assistant Professor, Dept. of EEE, MITS	Member	Vineethumar
10	Dr. Satish Kumar Ramoji Assistant Professor, Dept. of EEE, MITS	Member	

11	Dr. K. Lakshmikhandan Associate Professor, Dept. of EEE, MITS	Invitee - Member	
12	Dr. T. S. Balaji Damodhar Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
13	Dr. Sarat Kumar Mishra Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
14	Dr. V B Thurai Raaj Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
15	Dr. Srinivas Chikkam Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
16	Dr. R. Saravanakumar Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
17	Dr. Sovit Kumar Pradhan Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
18	Mr. Sridhar N Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
19	Mr. G. Mahammed Rafi Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
20	Mr. B. Karthick Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
21	Mr. E. Sathiyanarayanan Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
22	Mr. Ch. Srinivas Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
23	Mr. Rajesh KS Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
24	Mr. Ibrahim Zafar Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
25	Mr. Y. Pradeep Kumar Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
26	Mr. M. Venkatesh Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
27	Mr. K. MD. Riyaz Ali Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
28	Mr. M. Vamsi Krishna Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
29	Mr. Mallikarjuna Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
30	Mr. E. Raghu Babu Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
31	Mr. R. Ramesh Kumar Assistant Professor, Dept. of EEE, MITS	Invitee - Member	
32	Mr. Chollangi Venkata Ramu Assistant Professor, Dept. of EEE, MITS	Invitee - Member	

Minutes:

1. **Discussion on R25 Curriculum Structure for I Year B.Tech. EEE**
   The committee reviewed the R25 curriculum composition for 160 credits and framework applicable to the I Year B.Tech. EEE. The members found the credit composition and structure were appropriate, and no modifications were proposed.

2. **Discussion on Detailed Syllabus**
   The detailed syllabus for the I Year I and II Semester courses handled by the Department of EEE was presented to the committee. Members evaluated the course contents, learning objectives, and expected outcomes.

The following suggestions and recommendations were provided:

a) **Foundation of Artificial Intelligence (Theory):**
   The differences in the roles of AI, ML, Deep Learning, and Generative AI should be discussed during the delivery of Unit I content. Additionally, Units II and IV should be swapped to maintain a logical learning sequence.

b) **Fundamentals of Electrical Energy Systems (Theory):**
   In Unit-I, the latest reports on renewable energy systems by NITI Aayog should be considered while delivering the course content to students. In Unit-II, the layout and functioning of Gas Power Plants needs to be incorporated. Unit-V should be swapped with Unit-IV to establish a proper learning sequence.

c) **Digital Design (Theory):**
   The syllabus was found appropriate, and no changes are required.

d) **Basics of Electrical and Electronics Engineering (Theory):**
   The syllabus was found appropriate, and no changes are required.

e) **Basics of Electrical and Electronics Engineering Laboratory:**
   The list of experiments was found appropriate, and no changes are required.
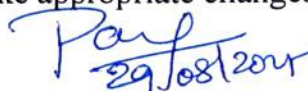
f) **Engineering Skills Laboratory – Part B:**
   The concept behind each experiment should be explained before conducting the experiments.

g) **Scientific Computing Laboratory:**
   Module 4 – Numerical Computation can be added into higher semester laboratories considering the requirement of pre-requistes.
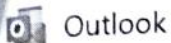
3. B. Tech Program provisions for Honor & Minor Degree for an additional credits of 18 were dicussed and the proposal of B. Tech EEE with Minor in AI&ML was approved.

BoS authorizes the chairperson and IDC to make appropriate changes.

29/08/2025

Dr. A. V. Pavan Kumar
BoS Chairperson & HoD,
Electrical and Electronics Engineering
Madanapalle Institute of Technology & Science
Deemed to be University
Madanapalle

Outlook

Re: MoM of 1st BoS, Dept. of EEE, MITS Deemed to be Univeristy

From Dr. Siva Kumar K <ksiva@ee.iith.ac.in>

Date Wed 9/3/2025 1:39 PM

To   HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>

Cc   Bala Krishna <balakrishna20984@gmail.com>; venugopal.kbr@gmail.com <venugopal.kbr@gmail.com>; VISHNU
      VARDHAN REDDY BYREDDY <23695A0216@mits.ac.in>; Vice - Chancellor <vicechancellor@mits.ac.in>; Principal
      MITS <principal@mits.ac.in>

Dear Dr. Pavan,

Looks good to me, please go ahead

WR
Siva

On Tue, Sep 2, 2025 at 9:41 AM HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in> wrote:
  Respected BoS Expert Members,

  The Minutes of Meeting (MoM) of 1st BoS held on 28-08-2025, 4.00 PM (Virtual Mode), and the updated
  syllabus copy are attached for your kind approval.
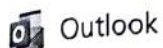
  Thanking you,

  With Regards,

  Dr. A V Pavan Kumar.
  Professor & Head
  Department of EEE,
  Madanapalle Institute of Technology & Science,
  2024 NIRF (Band 201-300), NAAC A+,
  Madanapalle - 517 325
  Mob: +91-9160020781
  E-mail Id: eeehod@mits.ac.in

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Siva Kumar K, Ph.D,
Professor,
Department of Electrical Engineering,
Indian Institute of Technology Hyderabad,
Kandi, Sangareddy,
Telangana, India. 502285
www.iith.ac.in/~ksiva

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Outlook

Re: MoM of 1st BoS, Dept. of EEE, MITS Deemed to be Univeristy

From Bala Krishna <balakrishna20984@gmail.com>

Date Tue 9/2/2025 12:06 PM

To   HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>

Approved from my side sir.

Best Regards,
Dr BALA KRISHNA.P,
M.TECH, PhD, IIT MADRAS.

On Tue, 2 Sept, 2025, 09:41 HoD-Electrical & Electronics Engineering, <eeehod@mits.ac.in> wrote:
Respected BoS Expert Members,

The Minutes of Meeting (MoM) of 1st BoS held on 28-08-2025, 4.00 PM (Virtual Mode), and the updated syllabus copy are attached for your kind approval.

Thanking you,

With Regards,

Dr. A V Pavan Kumar.
Professor & Head
Department of EEE,
Madanapalle Institute of Technology & Science,
2024 NIRF (Band 201-300), NAAC A+,
Madanapalle - 517 325
Mob: +91-9160020781
E-mail Id: eeehod@mits.ac.in

.8 PM

📧 Outlook

Re: MoM of 1st BoS, Dept. of EEE, MITS Deemed to be Univeristy

From Venugopal <venugopal.kbr@gmail.com>
Date Wed 9/3/2025 1:37 PM
To HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>

Hi Sir,

Approved from my side.

Regards
Venu

On Wed, 3 Sep 2025 at 1:11 PM, Venugopal <venugopal.kbr@gmail.com> wrote:
Thank you for your response.

On Wed, 3 Sep 2025 at 1:01 PM, HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in> wrote:
Good Afternoon Sir,

The above points suggested were considered and will be part of the content delivery plan.

Thank you

With Regards,

Dr. A V Pavan Kumar.
Professor & Head
Department of EEE,
Madanapalle Institute of Technology & Science,
2024 NIRF (Band 201-300), NAAC A+,
Madanapalle - 517 325
Mob: +91-9160020781
E-mail Id: eeehod@mits.ac.in

From: Venugopal <venugopal.kbr@gmail.com>
Sent: Wednesday, September 3, 2025 11:59 AM
To: HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>
Subject: Re: MoM of 1st BoS, Dept. of EEE, MITS Deemed to be Univeristy

Hi Sir,

1.Requested to add overview of power plant and operations block diagram in conventional power plant chapter.
2. Requested to include industry oriented tasks in labs(AND , OR Gates logic diagram explanations)
Ex: Interlocking for equipment operations

Regards
Venu

On Tue, 2 Sep 2025 at 9:41 AM, HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in> wrote:
Respected BoS Expert Members,