



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC - Autonomous)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)
P.B.No. 14, Angallu, Madanapalle – 517325, Chittoor Dist., Andhra Pradesh, India.
www.mits.ac.in Phone: 08571-280255, 280706 Fax: 08571 – 280433

Department of Electrical & Electronics Engineering








Minutes of 13th Board of Studies Meeting Held on 24-07-2024

The 13th BoS Meeting is held on 24-07-2024 at 10.30am virtually via Microsoft Teams, Dept. of EEE, MITS, Madanapalle.

Agenda

1. Discussion on R-23, B. Tech. curriculum structure from II year and details syllabus for II year.
2. Any other matter with the permission of the chair.

Members Present:

- | | | |
|--|------------------------------|---|
| 1. Dr. A. V. Pavan Kumar,
HoD, Dept. of EEE, MITS. | Chairperson |  |
| 2. Prof. P.S. Nagendra Rao,
Professor, Dept. of EE, IIT, Dharwad | Member – Subject Expert | |
| 3. Dr. K. Siva Kumar,
Professor, Dept. of EE, IIT, Hyderabad | Member – Subject Expert | |
| 4. Dr. R. Kiranmayi,
Director, Foreign Affairs & Alumni Matters and
Professor, EEE Department, JNTUA CEA | Member – University Nominee | |
| 5. Dr. Balakrishna P
Senior Engineer - Emerging Technologies, GE Grid
Solutions, Hyderabad, T.S. | Member – Industry Expert | |
| 6. Ms. B. R. Sushma
Scientist, DRDO | Member - Meritorious Alumnus | |
| 7. Dr. C. Kamal Basha,
VP Admin & Professor, Dept. of EEE, MITS. | Member |  |
| 8. Dr. K. Arul Kumar,
Assoc. Professor, Dept. of EEE, MITS. | Member |  |
| 9. Dr. T. S. Balaji Damodhar,
Asst. Professor, Dept. of EEE, MITS. | Member |  |
| 10. Dr. K. Lakshmikhandan,
Asst. Professor, Dept. of EEE, MITS. | Member |  |
| 11. Dr. V B Thurai Raaj,
Asst. Professor, Dept. of EEE, MITS. | Member |  |
| 12. Dr. R. Saravana Kumar
Asst. Professor, Dept. of EEE, MITS. | Member |  |

Suggestions on Curriculum & Structure B. Tech II year I & II Sem (UG - R23)

1. The Members approved the course structure for II-year B. Tech R 23 Regulation.
2. For the course with title “Electromagnetic Field Theory”: (i) In Unit I – The syllabus content Vector algebra, Coordinate system and vector calculus need to be verified with maths course. If the topics are covered then it can be omitted. (ii) The consolidation of Maxwell’s equations and applications should be emphasized at the end of Unit III.
3. For the course with title “Electrical Circuit Analysis-II”: Unit I concept of Symmetrical Components can be introduced. Unit-II: Computer based analysis of large circuits, steady state and transient analysis using simulation software can be taught in the theory.
4. For the course with title “DC Machines & Transformers”: The syllabus content of (i) Unit III: One approach for design of single phase transformer can be introduced. should focus on Application in Electrical Systems. (ii) Unit V: In Transient switching – topics on harmonics due to the the excitation current of the transformer can be included. (iii) Basic concepts of BLDC motor can be introduced.
5. For the course with title “Dc Machines & Transformers Lab”: Determination of harmonic components of excitation current of Single-phase transformer cab be added.
6. For the course with title “Analog Circuits”: The datasheet of IC 741 and IC 555 need to be utilized during the content delivery for real time approach and understanding. In the syllabus content of Unit V: Signal to Noise ration and Error in conversion can be introduced.
7. In the syllabus content of “Power Systems-I”: Unit I: All types of thermal power generation need to be discussed. Generations like Gas, Oil, Solar Thermal. (ii) Renewable energy sources – Wind and Solar need to be incorporated in Unit II.
8. For the course with title “Induction and Synchronous Machines”: In the syllabus content of Unit II: Induction Generator -Wind turbine application need to be emphasized.
9. For the course with title “Control Systems”: In the syllabus content of Unit I: classification of Control systems – Practical approach with real time examples should be utilized for better understanding.
10. For the course with title “Control Systems Lab”: Student must be encouraged to do a mini project by applying the control systems concepts.

BoS authorizes the chairperson and IDC for making appropriate changes.


91/08/24
BoS Chairperson
Head of the Department
Electrical & Electronics Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE - 517 325

Re: Approval of Minutes of Meeting - BoS -EEE MITS

Nagendra Rao <nagendraraops@gmail.com>

Thu 8/8/2024 7:12 AM

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

Cc:brsushma@gmail.com <brsushma@gmail.com>;Dr. Siva Kumar K <ksiva@ee.iith.ac.in>;kiranmayi0109@gmail.com <kiranmayi0109@gmail.com>;kiranmayi.eee@jntua.ac.in <kiranmayi.eee@jntua.ac.in>;Pamulaparthi, Balakrishna (GE Vernova) <balakrishna.pamulaparthi@ge.com>;Pamulaparthi Balakrishna <balakrishna20984@gmail.com>;Dr. Balaji Damodhar T S <drbalajidamodharts@mits.ac.in>

Approved.

P S Nagendra Rao

On Fri, 2 Aug, 2024, 5:32 pm HoD-Electrical & Electronics Engineering, <eeehod@mits.ac.in> wrote:

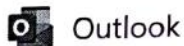
Respected Members,

We request your approval for the Minutes of Meeting of BoS held on 24-07-2024. The MoM is attached with the mail.

Thanking you

With Regards,

Dr. A V Pavan Kumar.
Professor & Head
Department of EEE,
Madanapalle Institute of Technology & Science,
NIRF (Band 251-300), NAAC A+,
Madanapalle - 517 325
Mob: +91-9160020781
E-mail Id: eeehod@mits.ac.in



Re: Approval of Minutes of Meeting - BoS -EEE MITS

From Dr. Siva Kumar K <ksiva@ee.iith.ac.in>
Date Fri 8/9/2024 8:22 PM
To HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>

Approved

On Fri, Aug 2, 2024 at 5:32 PM HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in> wrote:

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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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Re: Approval of Minutes of Meeting - BoS -EEE MITS

Ms. kiranmayi <kiranmayi.eee@jntua.ac.in>

Sat 8/3/2024 1:30 PM

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

Approved.

Thanks & Regards

Prof. R. KIRANMAYI

Director of Admissions

JNTUA

Ananthapuramu

On Fri, Aug 2, 2024 at 5:32 PM HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in> wrote:

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Professor & Head

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Madanapalle - 517 325

Mob: +91-9160020781

E-mail Id: eeehod@mits.ac.in

Re: Approval of Minutes of Meeting - BoS -EEE MITS

Bala Krishna <balakrishna20984@gmail.com>

Fri 8/2/2024 7:18 PM

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

Dear Sir,

Thank you. You have my approval.

Regards

Balakrishna P

On Fri, 2 Aug 2024, 17:32 HoD-Electrical & Electronics Engineering, <eeehod@mits.ac.in> wrote:

Respected Members,

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With Regards,

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E-mail Id: eeehod@mits.ac.in

Re: Approval of Minutes of Meeting - BoS -EEE MITS

BR Sushma <brsushma@gmail.com>

Thu 8/8/2024 9:43 AM

To:Nagendra Rao <nagendraraops@gmail.com>

Cc:HoD-Electrical & Electronics Engineering <eeehod@mits.ac.in>;Dr. Siva Kumar K <ksiva@ee.iith.ac.in>;kiranmayi0109@gmail.com <kiranmayi0109@gmail.com>;kiranmayi.eee@jntua.ac.in <kiranmayi.eee@jntua.ac.in>;Pamulaparthi, Balakrishna (GE Vernova) <balakrishna.pamulaparthi@ge.com>;Pamulaparthi Balakrishna <balakrishna20984@gmail.com>;Dr. Balaji Damodhar T S <drbalajidamodharts@mits.ac.in>

Th MoM is approved.

Regards,
Sushma

On Thu, Aug 8, 2024 at 7:12 AM Nagendra Rao <nagendraraops@gmail.com> wrote:

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P S Nagendra Rao

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