



Department of Electrical & Electronics Engineering


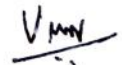





Minutes of 9th Board of Studies Meeting Held on 30-08-2021

The 9th BoS Meeting is held on 30-08-2021 at 11.15am virtually through Microsoft Teams, Dept. of EEE, MITS, Madanapalle.

Agenda

1. Discussion on R-18, B. Tech. curriculum structure and detailed syllabus up to IV year I & II Sem.
2. Discussion on R-20, B. Tech. curriculum structure and detailed syllabus up to II year I & II Sem.
3. Discussion on R-20, M. Tech. curriculum structure and detailed syllabus up to II year I & II Sem.
4. 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,
Assoc. Professor, Dept. of EE, IIT, Hyderabad | Member – Subject Expert |
| 4. Dr. P. Raja,
Assoc. Professor, Dept. of EEE, NIT, Tiruchirappalli | Member – University Nominee |
| 5. Ms. B.R. Sushma,
Scientist, DRDO, Bangalore | Member – Meritorious Alumnus |
| 6. Dr. M. Vaigundamoorthi,
Professor, Dept. of EEE, MITS. | Member  |
| 7. Dr. C. Kamal Basha,
Professor, Dept. of EEE, MITS. | Member  |
| 8. Dr. Rajendraprasad Narne,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 9. Dr. K Arul Kumar,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 10. Dr. M. Vijay,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 11. Dr. Hira Singh Sachdev,
Sr. Asst. Professor, Dept. of EEE, MITS. | Member  |



Suggestions on Curriculum & Structure (UG – R18)

1. The syllabus content of Unit I for the subject Switch Gear and Protection 18EEE116 should focus on static and digital relays.
2. The DE-IV subject 18EEE416 Power System Reliability and Deregulation can be offered as Deregulation of Power System with necessary updations in the course content.
3. The DE – V subject 18EEE417 Static Relays the units have to rearranged (Unit V to be unit 1) to see proper flow of the content with respect to static relays.
4. The IV Year I & II Sem Structure is approved and the syllabus content of the subjects mentioned can be appropriately modified for making it consistent if necessary.

Suggestions on Curriculum & Structure (UG – R20)

Skill Oriented Courses:

1. It is suggested to offer one course per semester. One course related to Electrical in II year I sem and another one related to Electronics in II year II sem.
2. The course related to Electrical can consist of skills related to House Wiring, Earthing, Winding of Transformer and Motors, trouble shooting in electrical equipment's.
3. The course related to Electronics can consist of skills related to trouble shoot in TV, Washing machine, AC, PCB soldering
4. Simulation based courses can be offered in higher semesters.

R-20 Structure and Detailed Syllabus up to II year I & II sem:

1. The Structure of R-20 was discussed. The suggestion was to have both theory and lab course for power electronics subject in III year I sem if possible.
2. In the Unit II syllabus content of the subject 20EEE102 Electrical Circuit Analysis more focus should be given on three-phase circuit analysis.
3. The unit V title should be renamed to Single Phase and Special Machines for the subject 20EEE207 Induction and Synchronous Machines.
4. For student internship in between the year gap (II and III year) it was suggested to give options for the students to select internship from i) Industry, ii) Reputed academic institute (IISc or IITs or NITs) , iii) In-house Internship if possible.
5. The Discipline Electives (DE) proposed were suggested to offer as a single list of courses or separate list by internal discussion. The same can be presented in the next BoS as the DE are offered from III year.
6. B. Tech R-20 structure and syllabus upto II year I & II sem is approved.

Suggestions on Curriculum & Structure (PG – R20)

1. The Structure and Detail syllabus for M. Tech ^{Electrical} Solar Power System II year I & II sem are approved.

BoS authorizes the chairperson and IDC for making appropriate changes.



Re: Dept. of EEE 9th BoS MoM held on 30-08-2021

Nagendra Rao <nagendraraops@gmail.com>

Sat 9/4/2021 1:34 PM

To: HOD- EEE <eeehod@mits.ac.in>

Dear Sir,

I have perused the MoM of the 9th BoS of Dept. of EEE, MITS, Madanapalle held on 30-08-2021 and the Updated R-18 & R-20 Structure is attached to the mail. It is acceptable in this form.

Thanks,

Prof. P S Nagendra Rao (Retd)

Dept Electrical Engineering

Indian Institute of Science

Bangalore 560012

Tel:(Mob) 9620421560

(land line) 080 23490951

On Thu, Sep 2, 2021 at 10:17 AM HOD- EEE <eeehod@mits.ac.in> wrote:

Dear BoS External Members,

The MoM of the 9th BoS of Dept. of EEE, MITS, Madanapalle held on 30-08-2021 virtually is attached. The Updated R-18 & R-20 Structure is attached to the mail.

I request your approval of the same.

Thanking you

With Regards,



MITS

Dr A V Pavan Kumar
Associate Professor, Department of EEE
Head of the Department - EEE

Mobile: +91-9160020781

Email: eeehod@mits.ac.in

Madanapalle Institute of Technology & Science (Autonomous)

Post Box No:14, Kadiri Road, Madanapalle

Chittoor District, Andhra Pradesh, India-517325

website: www.mits.ac.in

Re: Dept. of EEE 9th BoS MoM held on 30-08-2021

praja@nitt.edu <praja@nitt.edu>

Fri 9/3/2021 5:55 AM

To: HOD- EEE <eeehod@mits.ac.in>

Dear Prof.,

I have gone through the MoMs. All seems to be fine and hence I approve the same.

Thanks and Regards

Raja P

Quoting HOD- EEE <eeehod@mits.ac.in>:

- > Dear BoS External Members,
- >
- > The MoM of the 9th BoS of Dept. of EEE, MITS, Madanapalle held on
- > 30-08-2021 virtually is attached. The Updated R-18 & R-20 Structure
- > is attached to the mail.
- >
- > I request your approval of the same.
- >
- > Thanking you
- >
- > With Regards,
- >
- > [cid:974ca71e-33d2-4e50-85e9-b1cde1deab73]

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P. Raja, M.Tech., Ph.D.,
Associate Professor,
Electrical and Electronics Engineering,
National Institute of Technology,
Tiruchirappalli - 620015. Tamil Nadu.
+431-250 3264, 4264
+91-9942680653

Re: Fw: Dept. of EEE 9th BoS MoM held on 30-08-2021

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

Wed 9/22/2021 12:50 PM

To: HOD- EEE <eeehod@mits.ac.in>

Dear Sir,

Proposed structure looks fine to me, you may please consider this email as my approval

With regards
siva

On Wed, Sep 22, 2021 at 12:07 PM HOD- EEE <eeehod@mits.ac.in> wrote:

Dear Sir,

A gentle reminder for your approval of MoM for 9th BoS meeting.

Thanking you

With Regards,



Dr A V Pavan Kumar
Associate Professor, Department of EEE
Head of the Department - EEE

Mobile: +91-9160020781

Email: eeehod@mits.ac.in

Madanapalle Institute of Technology & Science (Autonomous)

Post Box No: 14, Kadiri Road, Madanapalle

Chittoor District, Andhra Pradesh, India-517325

website: www.mits.ac.in

From: HOD- EEE

Sent: Thursday, September 2, 2021 10:17 AM

To: nagendraraops@gmail.com <nagendraraops@gmail.com>; P S Nagendra Rao <nagendra@alumni.iisc.ac.in>; praja@nitt.edu <praja@nitt.edu>; Dr. Siva Kumar K <ksiva@ee.iith.ac.in>; brsushma@gmail.com <brsushma@gmail.com>

Cc: Rajendra Prasad N <rajendraprasadn@mits.ac.in>

Subject: Dept. of EEE 9th BoS MoM held on 30-08-2021

Dear BoS External Members,

The MoM of the 9th BoS of Dept. of EEE, MITS, Madanapalle held on 30-08-2021 virtually is attached. The Updated R-18 & R-20 Structure is attached to the mail.

I request your approval of the same.

Thanking you

With Regards,



Department of Electrical & Electronics Engineering

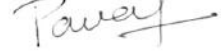






Minutes of 8th Board of Studies Meeting Held on 01-03-2021

The 8th BoS Meeting is held on 01-03-2021 at 10.00am in the Microsoft Teams, Dept. of EEE, MITS, Madanapalle.

Agenda

1. Discussion on R-20, B. Tech. curriculum structure for I year I & II Sem.
2. Discussion the syllabus content of Basic Electrical Engineering.
3. Discussion the content of Electrical Engineering Laboratory.
4. 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,
Assoc. Professor, Dept. of EE, IIT, Hyderabad | Member – Subject Expert |
| 4. Dr. P. Raja,
Assoc. Professor, Dept. of EEE, NIT, Tiruchirappalli | Member – University Nominee |
| 5. Ms. B.R. Sushma,
Scientist, DRDO, Bangalore | Member – Meritorious Alumnus |
| 6. Dr. M. Vaigundamoorthi,
Professor, Dept. of EEE, MITS. | Member  |
| 7. Dr. C. Kamal Basha,
Professor, Dept. of EEE, MITS. | Member  |
| 8. Dr. Rajendraprasad Nare,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 9. Dr. M. Chakkarapani,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 10. Dr. M. Vijay,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 11. Dr. Hira Singh Sachdev,
Sr. Asst. Professor, Dept. of EEE, MITS. | Member  |

Suggestions on Curriculum & Structure (UG - R20)

1. The total credits for I year I & II sem are 19.5 each as per APSCHE guidelines.
2. The syllabus content of Basic Electrical Engineering Unit I: mention of Electrical circuit components only. Unit IV: Inclusion of topics - Introduction to different types of AC motors, starting methods: D.O.L, Autotransformer starter. Unit V – Inclusion of additional information for types of wires and cables – Current carrying capability, Insulation Strength.
3. The experiment in Electrical Engineering Laboratory with title “Measurement of voltage, current and power in a single-phase circuit using voltmeter, ammeter and wattmeter. Also, calculate the power factor of the circuit” utilizing Fan with regulator as load to demonstrate the change in power factor.
4. The experiment in Electrical Engineering Laboratory with title “Fabrication of a given electronic circuit on a PCB and test the same” utilizing PCB Power Online firmware to design the PCB.
5. The I Year I & II Sem Structure is approved and the syllabus content of the Basic Electrical Engineering and Electrical Engineering Laboratory can be appropriately modified for making it consistent if necessary. BoS authorizes the chairperson and IDC for making appropriate changes.

Pavuluri
29/03/2021
BoS Chairperson

Re: Regd. Approval of I Year I & II Sem Structure and Syllabus of BEE Theory and Lab

Nagendra Rao <nagendraraops@gmail.com>

Tue 3/2/2021 10:56 AM

To: HOD- EEE <eeehod@mits.ac.in>

Dear Sir,

I have gone through the documents and approve the same

See the following link where i have indicated some minor changes we had discussed

<https://drive.google.com/file/d/1yGiEHraKNzjloMH6LF3G4vgYvkVnC20M/view?usp=sharing>

Thanks,

Prof. P S Nagendra Rao (Retd)

Dept Electrical Engineering

Indian Institute of Science

Bangalore 560012

Tel:(Mob) 9620421560

(land line) 080 23490951

On Mon, Mar 1, 2021 at 5:17 PM HOD- EEE <eeehod@mits.ac.in> wrote:

Dear Sir / Madam,

As per the Suggestions given in the BoS Meeting conducted on 01-03-2021, 10.00 AM. I am here with attaching the updated syllabus copy of BEE theory and Lab, I Year I & II Sem Structure.

I require your concern and approval for the I Year I & II Sem Structure and Syllabus of BEE Theory and Lab for putting forward the same in the Academic Council.

I request you to give your approval through email.

Thanking you

With Regards,

Dr A V Pavan Kumar
Associate Professor, Department of EEE
Head of the Department - EEE

Mobile: +91-9160020781

Email: eeehod@mits.ac.in

Madanapalle Institute of Technology & Science (Autonomous)

Post Box No:14, Kadiri Road, Madanapalle

Chittoor District, Andhra Pradesh, India-517325

website: www.mits.ac.in

Re: Regd. Approval of I Year I & II Sem Structure and Syllabus of BEE Theory and Lab

HOD- EEE <eeehod@mits.ac.in>

Tue 3/2/2021 11:00 AM

To: praja@nitt.edu <praja@nitt.edu>

Thank you very much sir

With Regards,

Dr A V Pavan Kumar
Associate Professor, Department of EEE
Head of the Department - EEE

Mobile: +91-9160020781
Email: eeehod@mits.ac.in
Madanapalle Institute of Technology & Science (Autonomous)
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Chittoor District. Andhra Pradesh. India-517325
website: www.mits.ac.in

From: praja@nitt.edu <praja@nitt.edu>**Sent:** Tuesday, March 2, 2021 5:19 AM**To:** HOD- EEE <eeehod@mits.ac.in>**Subject:** Re: Regd. Approval of I Year I & II Sem Structure and Syllabus of BEE Theory and Lab

Dear sir,

All seems to be in place as per our discussion. The lab content alone you can check once again, whether suggestions are included.

Other than that you can very well proceed further.

Thanks and Regards

Raja

Quoting HOD- EEE <eeehod@mits.ac.in>:

- > Dear Sir / Madam,
- >
- > As per the Suggestions given in the BoS Meeting conducted on
- > 01-03-2021, 10.00 AM. I am here with attaching the updated syllabus
- > copy of BEE theory and Lab, I Year I & II Sem Structure.
- >
- > I require your concern and approval for the I Year I & II Sem
- > Structure and Syllabus of BEE Theory and Lab for putting forward the
- > same in the Academic Council.
- >
- > I request you to give your approval through email.
- >
- > Thanking you
- >

> With Regards,
>
> [cid:65662f33-2e84-41d6-a44c-c4d806e75dea]

--

P. Raja, M.Tech., Ph.D.,
Associate Professor,
Electrical and Electronics Engineering,
National Institute of Technology,
Tiruchirappalli - 620015. Tamil Nadu.
+431-250 3264, 4264
+91-9942680653

Re: Regd. Approval of I Year I & II Sem Structure and Syllabus of BEE Theory and Lab

HOD- EEE <eeehod@mits.ac.in>

Tue 3/2/2021 11:00 AM

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

Thank you very much Sir

With Regards,

Dr A V Pavan Kumar
Associate Professor, Department of EEE
Head of the Department - EEE

Mobile: +91-9160020781
Email: eeehod@mits.ac.in
Madanapalle Institute of Technology & Science (Autonomous)
Post Box No:14, Kadiri Road, Madanapalle
Chittoor District, Andhra Pradesh, India-517325
website: www.mits.ac.in

From: Dr. Siva Kumar K <ksiva@ee.iith.ac.in>**Sent:** Tuesday, March 2, 2021 10:12 AM**To:** HOD- EEE <eeehod@mits.ac.in>**Cc:** praja@nitt.edu <praja@nitt.edu>; Nagendra Rao <nagendraraops@gmail.com>; nagendra@ee.iisc.ernet.in <nagendra@ee.iisc.ernet.in>; ksiva@iith.ac.in <ksiva@iith.ac.in>; Rajendra Prasad N <rajendraprasadn@mits.ac.in>; Chakkarapani M <chakkarapanim@mits.ac.in>**Subject:** Re: Regd. Approval of I Year I & II Sem Structure and Syllabus of BEE Theory and Lab

Dear Dr. Pavan Kumar,

Looks fine to me, approved from my side

With regards
sivaOn Mon, Mar 1, 2021 at 5:17 PM HOD- EEE <eeehod@mits.ac.in> wrote:

Dear Sir / Madam,

As per the Suggestions given in the BoS Meeting conducted on 01-03-2021, 10.00 AM. I am here with attaching the updated syllabus copy of BEE theory and Lab, I Year I & II Sem Structure.

I require your concern and approval for the I Year I & II Sem Structure and Syllabus of BEE Theory and Lab for putting forward the same in the Academic Council.

I request you to give your approval through email.

Thanking you

With Regards,



Dr A V Pavan Kumar
Associate Professor, Department of EEE
Head of the Department - EEE

Mobile: +91-9160020781

Email: eeehod@mits.ac.in

Madanapalle Institute of Technology & Science (Autonomous)

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website: www.mits.ac.in

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

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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 7th Board of Studies Meeting Held on 16-08-2020

The 7th BoS Meeting is held on 16-08-2020 at 10.30am in the Microsoft Teams, Dept. of EEE, MITS, Madanapalle.

Agenda

1. Discussion on R-18, B. Tech. curriculum structure from III year I & II Sem.
2. Discussion on Minor Program Structure.
3. Discussion on Honours Structure for EEE.
4. M. Tech. R-20 Curriculum structure from I year I & II Sem.
5. Any other matter with the permission of the chair.

Members Present:

1. Dr. A. V. Pavan Kumar, Chairperson
HoD, Dept. of EEE, MITS.
2. Prof. P.S. Nagendra Rao, Member – Subject Expert
Professor, Dept. of EE, IIT, Dharwad
3. Dr. K. Siva Kumar, Member – Subject Expert
Assoc. Professor, Dept. of EE, IIT, Hyderabad
4. Dr. P. Raja, Member – University Nominee
Assoc. Professor, Dept. of EEE, NIT, Tiruchirappalli
5. Ms. B.R. Sushma, Member – Meritorious Alumnus
Scientist, DRDO, Bangalore *(Sushma) 24/AUG/2020*
6. Dr. M. Ilampooman, Member
Professor, Dept. of EEE, MITS.
7. Dr. C. Kamal Basha, Member
Professor, Dept. of EEE, MITS.
8. Dr. Rajendraprasad Narne, Member
Assoc. Professor, Dept. of EEE, MITS.
9. Dr. M. Chakkarapani, Member
Assoc. Professor, Dept. of EEE, MITS.
10. Dr. Hira Singh Sachdev, Member
Sr. Asst. Professor, Dept. of EEE, MITS.
11. Dr. M. Vijay, Member
Sr. Asst. Professor, Dept. of EEE, MITS.

Suggestions on Curriculum & Structure (UG-R18 & PG – R20)

1. Grouping of Discipline electives needs to be regrouped such that each group contains specialization courses like (PS, PE, CS and Electronics etc.)
2. Safety needs to be taken while doing the power system-1 laboratory.
3. The power system Laboratory – I outcomes should be measured and discussed in the next meeting.
4. The syllabus content of Power system-1 course content of Unit: I & V needs slight modifications.
5. In the syllabus content of Power Electronics Unit IV third harmonic PWM renamed as carrier based SVPWM and Introduction of Fly back converter instead of CUK converter in Unit III.
6. Lecture hours of Control Systems Design course needs to be rearranged depending on the content.
7. The experiment name of Power System Lab – II experiments need to be revisited.
8. Two Minor programme structures needs to be implemented one for circuit branches and other for the non-circuit branches.
9. M. Tech structure needs to be reorganized like first semester more core courses and one mathematics course.
10. The courses offered in the Honours program need to revisit and courses should be offered which contains domains like (PS, PE, CS, Drives and Electronics etc.)
11. The detailed syllabus pertaining to III year I & II Sem is approved and ratified.
12. The structure and detailed syllabus of Minor Program offer by EEE Dept. up to III year I & II Sem are approved.
13. The syllabus content of the core and discipline elective courses can be appropriately modified for making it consistent if necessary. BoS authorizes the chairperson and IDC for making appropriate changes.

Susma BR
24/08/2020
(Susma BR)

BoS Chairperson



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



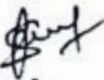

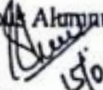



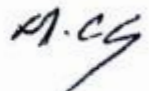
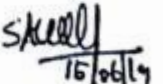
Minutes of 6th Board of Studies Meeting Held on 15-06-2019

the 6th BoS Meeting is held on 15-06-2019 at 11.30am in the department seminar hall, Dept. of EEE, MITS, Madanapalle.

Agenda

1. Discussion on B.Tech. Degree 2018-19 academic year curriculum structure for all the semesters and detailed syllabus for the II year - I and II semesters.
2. Any other matter with the permission of chair

Members Present:

- | | |
|---|--|
| 1. Dr. Asha Rani M. A.
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,
Assoc. Professor, Dept. of EE, IIT, Hyderabad | Member - Subject Expert  |
| 4. Dr. P. Raja,
Assoc. Professor, Dept. of EEE, NIT, Tiruchirappalli | Member - University Nominee  |
| 5. Ms. B.R. Sushma,
Scientist, DRDO, Bangalore | Member - Meritorious Alumnus  |
| 6. Dr. M. Ilampoornan,
Professor, Dept. of EEE, MITS. | Member  |
| 7. Dr. C. Kamal Basha,
Professor, Dept. of EEE, MITS. | Member  |
| 8. Dr. Rajendraprasad Narne,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 9. Dr. M. Chakkarapani,
Assoc. Professor, Dept. of EEE, MITS. | Member  |
| 10. Dr. Lakshmanan S. A.,
Sr. Asst. Professor, Dept. of EEE, MITS. | Member  |

11. Dr. Hira Singh Sachdev,
Sr. Asst. Professor, Dept. of EEE, MITS.

Member

Hira
15/06/19

A. Suggestions on B. Tech. – Curriculum structure

1. Digital electronics theory and laboratory can be moved from II year I semester to II year II semester and Analog electronics theory and laboratory can be brought in place.
2. The electrical machines course has to be offered as two core courses (Theory and Laboratory) as EM-I (DC machines and transformers) & EM – II (Induction and synchronous machines) instead of providing as a single course.
3. Microcontroller and interfacing theory and laboratory can be shifted from II year II semester to III year I semester.
4. AI tools, techniques and applications theory can be shifted from III year I semester to III year II semester to shift Power system – I theory and laboratory to III year I semester. Also, it is recommended to merge AI and IoT laboratories and offer as a single laboratory in IV year I semester.
5. Measurement and Instrumentation theory and laboratory can be removed from the core courses and can be offered as a discipline elective if needed.
6. Simulation laboratory has to be shifted from III year I semester to IV year I semester.
7. Power system – II can be shifted from IV year I semester to III year II semester.
8. Switchgear and protection course can be brought as a core course and Electric drives and control can be offered as a discipline elective.
9. All the electives can be merged and can be kept as a single discipline elective group for making provision for students to have their own choice.
10. MOOCs courses can be even selected from the open electives/mandatory courses as and when required for satisfying the training requirements. Any minor differences in the course content offered by SWAYAM may be ignored at the discretion of the IDC.

B. Suggestions on B.Tech. – II year I & II semester detailed syllabus

1. The syllabus content of the core and discipline elective courses can be appropriately modified for making it consistent if necessary. BoS authorizes the Chairperson and IDC for making appropriate changes.





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 5th Board of Studies Meeting Held on 30-06-2018

the 5th BoS Meeting is held on 30-06-2018 at 12.00pm in the department seminar hall, Dept. of EEE, MITS, Madanapalle.

Agenda

1. Discussion on B.Tech. Degree 2018-19 academic year curriculum structure and syllabus for the I year - I and II semesters.
2. Discussion on M.Tech. Degree - Electrical Power Systems, 2018-19 academic year curriculum structure and syllabus for the I year - I and II semesters.
3. Any other matter with the permission of chair

Members Present:

Dr. Asha Rani M. A.
HoD, Dept. of EEE, MITS.
Prof. P.S. Nagendra Rao,
Professor, Dept. of EE, IISC, Bangalore
Ms. B.R. Sushma,
Scientist, DRDO, Bangalore
Dr. Md. Fahim Ansari
Professor, Dept. of EEE, MITS.
Dr. C. Kamal Basha
Assoc. Professor, Dept. of EEE, MITS.
Dr. Rajendraprasad Narne
Assoc. Professor, Dept. of EEE, MITS.
Dr. Lakshmanan S. A.
Sr. Asst. Professor, Dept. of EEE, MITS.
Dr. M. Chakkarapani
Sr. Asst. Professor, Dept. of EEE, MITS.
Dr. Hira Singh Sachdev
Sr. Asst. Professor, Dept. of EEE, MITS.

Chairman

Member - Subject Expert

Member - Meritorious Alumnus

Member

Member

Member

Member

Member

Member



A. Suggestions on B. Tech. - I year I & II semester curriculum

1. One more maths course is necessary on Complex Variables-Add this course in the first semester as maths - II
2. Programming language has to be introduced in the I year first semester before introducing a high-level programming language like Python. Instead of that, C programming and Data structures course can be split into two courses in first and second semester respectively.

Shree

30/06/2018

P.S. Nagendra Rao

3. Extra English subjects can be put as electives and give space for maths or core subjects.
4. Elements of mechanical engineering can include basics of mechanical engineering, mechanics and thermodynamics.
5. Workshop can be removed and that slot can be used for basic mechanical engineering if possible.
6. English subject and the respective labs can be merged as English laboratory wherever possible to leave space for core courses.
7. Access the feedback on usefulness of English courses (all three) from the students and then decide on number of English courses.
8. In BEE, introduction to alternators must be included.
9. In Workshop practice for EEE & ECE, design a regulated power supply for generating a constant DC voltage (Exp. No. 5) can be removed and shifted to higher semesters. In the same lab, the experiment named as "Design and fabrication of real time electronic circuits" can be modified as "Fabrication of given electronic circuit"

B. Suggestions on M. Tech. – Electrical Power System curriculum

1. The following courses must be in core courses
 - a) Modern control theory
 - b) HVDC systems
 - c) High power converters or any advance power electronics course
 - d) Power system operation & control
 - e) Optimization techniques



P. S. N. S. S. S.

minutes¹⁸ of 4th Board of Studies Meeting held on 4.3.17.

The 4th Bos meeting is held on 4.3.17 at 2:30 pm in the Seminar Hall of Dept. of EEE, MITS, Madanapalle.

Agenda:

- ① Inclusion of Internship in IV year II semester.
- ② Replacing of Artificial course by Electrical drives in IV year II semester.
- ③ Adding of new course HVDC & FACTS, High Voltage Engineering in Discipline electives.
- ④ Any other matters.

Members present:

1. Dr. C. Kamal Basha, Chairman.
2. Dr. P.S. Nagendra Rao, Member, Prof. IISc Bangalore.
3. Dr. K. Siva Kumar, Member, Assoc. Prof, IITH, Hyderabad.
4. Dr. T. Vinay Kumar, Member, Alumni Assoc. Prof NIT Warangal.
5. Dr. B. Ramakumar, Member.
6. Dr. A. Anbarasan, Member.

①. Dr. C. Kamal Bashe, HOD/EEE briefed about the existing course structure, achievement of NBA accreditation, NAAC accreditation and attainment of course outcomes.

② It is proposed to introduce 2-credit mini project Internship during III year B.Tech. Summer Vacation, this credit will be added in IV year I semester.

③ Student shall opt the 20 credit Full semester Industry Internship (FSII) and 2 credit technical Seminar in IV year II semester

(OR)

Students shall opt the 14 credits project work and one discipline elective and one open elective (total 20 credits) and 2 credit for technical seminar

④ The existing Artificial Intelligence course in IV year I semester is replaced with electrical drives course.

⑤ It is proposed to add a new course HVDC FACTS in the Discipline elective - III.

⑥ It is proposed to add a new course High Voltage Engineering in the Discipline elective - IV

⑦ Evaluation process of the mini project & FSII are discussed.

Dr. P.S. Nagendra Rao, professor, IISc Bangalore suggested following comments related to FSII and mini project:

(A). Jeroth review to be conducted within 3 weeks of the commencement of the FSII, to check the feasibility of the internship and finalization of the student, whether they go for internship or conventional mode.

(B). Mid review shall be conducted during 8-10 weeks.

(C). Final review shall be conducted at the end of the semester.

The BOS chairman is empowered to change the content of the syllabus as and when required with due intimation and acceptance of the BOS members.

The list of examiners proposed was considered, and approved in addition, the chairman, BOS is empowered to include additional names depending on requirements and availability.

Signature of Members:

- | | |
|---------------------------------------|-----------------------|
| (1) Dr. C. Kamal Basha, Chairman | |
| (2) Dr. P.S. Nagendra Rao, Member | P.S. Nagendra Rao |
| (3) Dr. K. Sivakumar, Member | K. Sivakumar |
| (4) Dr. T. Vinay Kumar, Alumni-member | T. Vinay Kumar 4/3/17 |
| (5) Dr. B. Rama Kumar, Member | B. Rama Kumar |
| (6) Dr. A. Anbarasan, Member | A. Anbarasan 4/3/17 |



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Minutes of 3rd Board of Studies Meeting held on 26-05-2016

The 3rd BOS Meeting is held on 26-05-2016 at 10:00AM in the Seminar Hall of Dept. of EEE, MITS, Madanapalle.

Agenda :

1. Discussion on shifting of III-Year and IV-Year B.Tech. EEE courses (R14 amended)
2. Discussion on M.Tech (EPS) Programme course structure and syllabi.
3. Discussion on M.Tech (SPS) Programme course structure and syllabi.
4. Discussion on Vision & Mission, PEOs and POs

Members Present :

1. Dr. K.V.R.B. Prasad, chairman
2. Dr. V. Ganesh, University Nominee
3. Mr. Sanoj James, Industry Representative
4. Dr. B. Rama Kumar, Member.
5. Dr. C. Kamal Basha, Member.
6. Dr. A. Anbarasan, Member.
7. Dr. Rajendra Prasad Nanne, Member.
8. Dr. R. Rajkamal, Member.
9. Dr. K. Rajangam, Member.

Item: 1

After thorough discussion, the following III-Year and IV-Year B.Tech courses are proposed to shift without changing the existing syllabus:

- (1) The existing IV-Year B.Tech - II semester courses Artificial Intelligence and Electrical Power Utilization and Illumination are shifted to IV-Year B.Tech-Is

(2) The existing IV-Year B.Tech - I semester courses Special Electrical Machines and Power System Analysis & control are shifted to III-Year B.Tech - II semester.

(3) The existing course in III-Year B.Tech - II semester - Power Systems is shifted to III-Year B.Tech - I semester in place of Microelectronic Circuits.

(4) The existing Analog & Digital VLSI Design course in III-Year B.Tech - II semester and Microelectronic Circuits course in III-Year B.Tech - I semester are shifted to IV-Year B.Tech - II semester.

(5) It is proposed to introduce Mini-Project / Internship during III-Year B.Tech Summer Vacation, by offering 2 Credits.

(6) Following recommendations are made regarding student Internship in the final semester.

(i) Student Internship in the final semester is beneficial for the students to hone their employability skills.

(ii) Students should be encouraged to pursue internship according to the guidelines framed by a departmental committee which will monitor and assess the interns periodically.

(iii) Students shall opt the 20 credited Internship without any theory courses and 2 credited seminar.

(OR)

students shall opt the 14 credited Project work and two theory courses of three credits each (total 20 credits), and 2 credited seminar.

(iv) To introduce 20 credited Internship, the department needs to eliminate two courses as mentioned in Item.1, S.No.4.

(v) The remaining 2 credits exist in IV-year BTech II-semester shall be allotted for Internship/Mini-Project.

(7) The committee has proposed to introduce smart Grid and Battery storage system and advanced electrical courses as and when required in IV-Year discipline electives.

(8) The committee suggested to introduce FACTS concepts in Power Quality.
Items: R&3

After thorough discussion, the following conclusions are made.

(1) The proposed modification to the course structure of M.Tech- EPS & SPS, where one course in second semester is replaced by a Mini-Project is approved by the BOS members.

(2) It is opined that clear guidelines should be made for monitoring and assessment of the Mini-Projects while giving sufficient freedom to the supervisor and the student regarding the topic of the project and whether or not it will be related to the main project. The mini project

will be a whole and complete work with in itself and will be assessed according to separate guidelines applicable to the Mini-Project

(3) The Proposed syllabus for M.Tech- EPS & SPS Programmes has been discussed and approved.

(4) The 50:50 split between Internal and External weightages is discussed and approved.

Item: 4

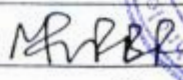
(1) The vision and Mission of the Dept. of EEE are thoroughly reviewed and approved by the Bos member

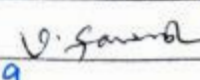
(2) The PEOS and POS of BTech- EEE, M.Tech- EPS and M.Tech-SPS, offered by the department are thoroughly reviewed and approved by the Bos members

The Bos chairman is empowered to change the contents of syllabus as and when required with due intimation and acceptance of Bos members.

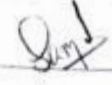
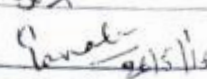
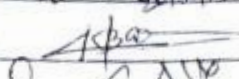
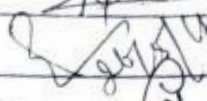

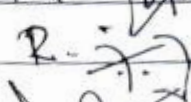
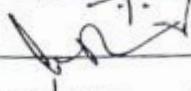

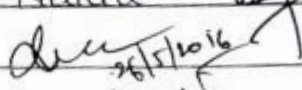

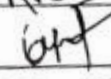
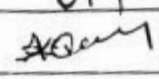
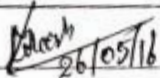
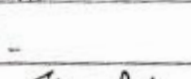
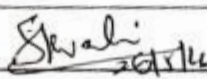
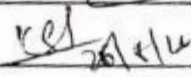
The list of examiners proposed was considered and approved. In addition, the chairman, Bos is empowered to include additional names depending on requirements and availability.

Signature of Members :

1. Dr. K.V.R.B. Prasad -  - chairman

2. Dr. V. Ganesh -  - University Nomi



3. Mr. Sanoj James -  - Industry Representative
4. Dr. B. Rama Kumar -  - Member
5. Dr. C. Kamal Basba -  - Member
6. Dr. A. Anbarasan -  - Member
7. Dr. Rajendra Prasad Narne -  - Member
8. Dr. R. Raj kamal. -  - Member
9. Dr. K. Rajangam -  - Member
10. Mr. P. chandra Babu Naidu -  - Member
11. Mr. A. Srinivasulu -  - Member
12. Mr. K.V. Satheesh Babu -  - Member
13. Mr. G. Ravi Prakash -  - Member
14. Mr. K. Vasu -  - Member
15. Mr. M. Lokesh -  - Member
16. Mr. B. chandra Sekhar -  - Member
17. Mr. SK. Khadar Vali -  - Member
18. Mr. M. Kishore -  - Member.

Minutes of BOS Meeting held on 23/05/2015

Meeting of the Board of studies held
23/05/2015 at 10.00 AM in Department of E.E.E
MITS, Madanapalle

Members present:

1. Dr. K.V.R.B. Prasad, Chairman
2. Dr. V. Ganesh, University Nominee
3. Prof. P.S. Nagendra Rao, Subject Expert
4. Dr. K. Siva Kumar, Subject Expert
5. Mr. Sanjay James, Industry Representative
6. Dr. B. Rama Kumar, Member
7. Dr. C. Kamal Basha, Member
8. Dr. K. Ramesh, Member

After thorough discussions and deliberation the following aspects were finalized

(1) The proposed detailed syllabus for II, III or IV B.Tech E.E.E program has been discussed and some modifications are suggested. It is resolved that the chairman of BOS can suitably modify the scheme and syllabus in view of these suggestions.

(2) The syllabus of I year B.Tech, B.E.E.E course was discussed and accepted without any modifications.

(3) The committee approved the proposed list of electrical machines experiments.

Fluid Mechanics & Electrical Machines practice
Course of II year B.Tech, Mechanical program

(4) The proposed syllabus for the Electrical power systems (Eps) was discussed and some modifications are suggested. It is resolved that the chairman BOC can suitably incorporate these suggestions into the scheme and syllabus.

(5) The proposed syllabus for the solar power systems (sps) was discussed and some modifications were suggested. It is resolved that the chairman BOC can suitably incorporate these suggestions into the scheme and syllabus.

(6) The list of examiners proposed was considered and approved, In addition, the chairman, BOC is empowered to include additional names depending on requirements and availability.

Signature of Members



- 1) Dr. K.V.R.B. Prasad - Chairman
- 2) Dr. V. Ganesh - University Nominating
- 3) Prof. P.S. Nagendra Rao - Subject Expert
- 4) Dr. K. Siva Kumar - Subject Expert
- 5) Mr. Sanjay James - Industry Representative
- 6) Dr. B. Rama Kumar - Member

- 7) Dr. C. Kamal Basha - ~~Star~~ - Member
- 8) Dr. K. Ramash - ~~Prasad~~ 23/5/15 - Member
- 9) Dr. A. Anbarasan - A. Anbarasan - Member
- 10) Dr. K. Rajangam - ~~Star~~ - Member
- 11) Rajendra prasad Narne - ~~Star~~ - Member
- 12) Mr. A. Srinivasulu - ~~Star~~ - Member
- 13) Mr. K.V. S. Babu - ~~Star~~ - Member
- 14) Mr. G. Ravi prakash - ~~Star~~ - Member
- 15) Mr. M. Lokesh - ~~Star~~ - Member
- 16) Mr. M. Kishore - ~~Star~~ - Member
- 17) Mr. B. Sreenivasa Raju - ~~Star~~ - Member
- 18) Mr. Sk. Khadarvali - ~~Star~~ - Member

Minutes of BOS Meeting held on 02/09/2014

Meeting of the Board of Studies held on 02/09/2014
at 10:00 AM in Board Room, MITS, Madanapalle.

Members present:

- 1) Dr. K.V.R.B. Prasad, chairman.
- 2) Prof. P.S. Nagendra Rao, External Member.
- 3) Dr. K. Siva Kumar, External Member.
- 4) Dr. V. Ganesh, Vice-chancellor's Nominee
- 5) Dr. B. Rama Kumar, Member.
- 6) Mr. C. Kamal Basha, Member.

After thorough discussions and deliberation the following aspects are finalized.

- 1) The proposed scheme and detailed syllabus for M-Tech in Electrical Power Systems (EPS) has been discussed and some modifications are suggested. It is resolved that the chairman BOS can suitably modify the scheme and syllabus in view of these suggestions and local constraints and place it before the Academic Council (with information to BOS members) for final approval.
- 2) The proposed scheme and detailed syllabus for M-Tech in Solar Power Systems (SPS) has been discussed and some modifications are suggested. It is resolved that the chairman BOS can suitably modify the scheme and syllabus in view of these suggestions and local constraints and place it before the Academic Council (with information to BOS members) for final approval.
- 3) The proposed detailed syllabus for B-tech-I-year Basic-Electrical and Electronics Engineering has been discussed and some modifications are suggested. It is resolved that the

Chairman BOS can suitably modify the scheme and syllabus in view of the suggestions and local constraints and place it before the Academic Council (with information to BOS members) for final approval.

4) It is resolved to approve the suggested panel of examiners and it is further resolved that the chairman, BOS can include fresh names depending upon the availability and requirement.

5) The process to validate the POs & PSO's attainment for R-14 syllabus have been discussed and approved by the committee members. The attainment target for POs and PSO's have been set as 75% by the committee members for the first autonomous batch (2014-18 - B.Tech batch).

Signatures of Members:-



- | | | |
|----------------------------|---|---------------------------|
| 1) Dr. K.V.R.B. Prasad | - | Chairman |
| 2) Prof. P.S. Nagendra Rao | - | External Member |
| 3) Dr. K. Siva Kumar | - | External Member |
| 4) Dr. V. Ganesh | - | Vice-chancellor's Nominee |
| 5) Dr. B. Rama Kumar | - | Member |
| 6) Mr. C. Kamal Basha | - | Member |
| 7) Mr. A. Srinivasulu | - | Member |
| 8) Mr. D.C.K. Reddy | - | Member |
| 9) Mr. B.V.S. Babu | - | Member |
| 10) Mr. G. Rave Prakash | - | Member |
| 11) Mr. K. Vasu | - | Member |
| 12) Mr. H. Lokesh | - | Member |
| 13) Mr. B.C. Sekhar | - | Member |