



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**  
(UGC-AUTONOMOUS)

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Date: 02.11.2020

**Circular**

It is hereby informed to all the members of Program Assessment Committee (PAC) that 9<sup>th</sup> Program Assessment Committee (PAC) Meeting is scheduled on 04-11-2020, Wednesday, 11:00 a.m. at the board room (EB-001), MITS, Madanapalle, for addressing and reviewing the assessment method for attainment of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs).

**Agenda:**

1. Assessment of previous results and analysis of Course outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs), for the academic year 2019-20, I semester subjects.
2. Discussion on assessment methods to achieve attainment level in R-14 Regulation for UG syllabus.
3. Discussion on department vision and mission, if it is in line with institutional vision mission, POs, PEOs and PSOs or not?
4. Discussion on existing R14 courses
5. Discussion on R18, I, II and III year courses.
6. Any other matter with the permission of the chair.

*Pavan*

Dr. A V Pavan Kumar

HoD/EEE

Head of the Department  
Electrical & Electronics Engineering  
Madanapalle Institute of Technology & Science  
MADANAPALLE - 517 325

1. Dr. Pavan Kumar AV *Pavan*

2. Dr. C. Kamal Basha

3. Dr. M Vaigundamoorthi *MV*

4. Dr. Rajendraprasad Narne *RPN*

5. Dr. M. Chakkarapani *MC*

6. Dr. M Vijay *MV*

7. Dr. Arijit Bardhan Roy *AR*

8. Dr. Saran Satsangi *SS*

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(UGC - Autonomous)

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**Department of Electrical & Electronics Engineering**

Date: 2.11.2020

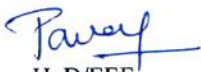
**Composition and approval of 9<sup>th</sup> Program Assessment Committee (PAC)**

Following members are nominated and approved for constitutions of 9<sup>th</sup> Program Assessment Committee (PAC).

- |   |          |
|---|----------|
| 1. Dr. A V Pavan Kumar<br>HoD, Dept. of EEE, MITS.                    | Chairman |
| 2. Dr. C. Kamal Basha<br>Professor, Dept. of EEE, MITS.               | Member   |
| 3. Dr. M Vaigundamoorthi<br>Professor, Dept. of EEE, MITS.            | Member   |
| 4. Dr. Rajendraprasad Narne<br>Assoc. Professor, Dept. of EEE, MITS.  | Member   |
| 5. Dr. M. Chakkarapani<br>Assoc. Professor, Dept. of EEE, MITS.       | Member   |
| 6. Dr. M Vijay<br>Assoc. Professor, Dept. of EEE, MITS.               | Member   |
| 7. Dr. Arijit Bardhan Roy<br>Sr. Asst. Professor, Dept. of EEE, MITS. | Member   |
| 8. Dr. Saran Satsangi<br>Sr. Asst. Professor, Dept. of EEE, MITS.     | Member   |

Responsibilities of the committee:

1. Monitors attainment of COs, POs and PSOs
2. PAC evaluates programme effectiveness and process necessary changes
3. Preparation of periodic reports, records on program activities, progress and status reports.



HoD/EEE

Head of the Department  
Electrical & Electronics Engineering  
Madanapalle Institute of Technology & Science  
MADANAPALLE - 517 325

Copy to

- The Principal
- Vice Principal Academics
- Programme Assessment Committee
- Department File



Principal

**PRINCIPAL**

Madanapalle Institute of Technology & Science  
PO Box NO 14, Kadiri Road, Angallu  
MADANAPALLE 517 325 A P





Department of Electrical & Electronics Engineering

Date: 04.11.2020

Minutes of 9<sup>th</sup> Program Assessment Committee (PAC) Meeting Held on 04-11-2020

In continuation with the previous meeting dated 03<sup>rd</sup> April, 2019, PAC has been assembled on 4<sup>th</sup> November, 2020 at 10.30 a.m. at the board room (EB-001), MITS, Madanapalle, for addressing and reviewing the Assessment method for attainment of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs).

**Agenda:**

1. Assessment of previous results and analysis of Course outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs), for the academic year 2018-19, II semester and 2019-20, I semester subjects.
2. Discussion on assessment methods to achieve attainment level in R-14 Regulation for UG syllabus.
3. Discussion on department vision and mission, if it is in line with institutional vision mission, POs, PEOs and PSOs or not?
4. Discussion on existing R14 courses
5. Discussion on R18, III and IV year courses.
6. Any other matter with the permission of the chair.

**Members Present:**

1. Dr. A V Pavan Kumar  
HoD, Dept. of EEE, MITS.
2. Dr. C. Kamal Basha  
Professor, Dept. of EEE, MITS.
3. Dr. M Vaigundamoorthi  
Professor, Dept. of EEE, MITS.
4. Dr. Rajendraprasad Narne  
Assoc. Professor, Dept. of EEE, MITS.
5. Dr. M. Chakkarapani  
Assoc. Professor, Dept. of EEE, MITS.
6. Dr. M Vijay  
Assoc. Professor, Dept. of EEE, MITS.
7. Dr. Arijit Bardhan Roy  
Sr. Asst. Professor, Dept. of EEE, MITS.

Chairman *Paveef*

Member

Member *Vmm*

Member *P*

Member *My*

Member *Jyoti*

Member *Am*



HoD, welcomed the members of the committee who had assembled for reviewing the assessment method of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) for the EEE department.

The following points were discussed during the meeting and the minutes were recorded as below,

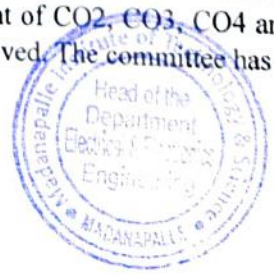
**AY:2018-19**

**A. B.Tech. – II year II semester**

- 1. The attainments of CO<sub>1</sub> and CO<sub>2</sub> for the course Network Analysis are 47% and 56% respectively. Attainments of all other COs are more than 60%. The committee members have suggested for remedial classes focused on practice of network analysis numerical to attain the target of CO<sub>1</sub>. The committee members have suggested that the attainment of CO<sub>2</sub> can be improved by giving more assignment problems and solving more numerical in the class.
- 2. The attainment of CO<sub>1</sub> and CO<sub>5</sub> for the course Electrical Machines are 53% and 56% respectively. Attainments of all other COs are more than the target level. The committee members have suggested that the attainment of CO<sub>1</sub> can be achieved to the targeted level through practical demonstration of cut-sections of machines and animated videos on working principle of machines. As per the suggestion of the committee members, the attainment of CO<sub>5</sub> can reach to the target level by solving more numerical focused on power flow equation of synchronous machines.
- 3. In the course Digital Design the attainment of CO<sub>1</sub>, CO<sub>2</sub>, CO<sub>3</sub> and CO<sub>5</sub> are 53%, 51%, 57% and 59% respectively. Attainments of all other COs have reached the target level. The committee members have suggested giving separate assignment for that particular unit can help to reach the attainment of CO<sub>1</sub>. The committee members have suggested solving more numerical in class can help in attaining the target of CO<sub>2</sub> and CO<sub>3</sub>. The committee members also suggested remedial classes to attain the target level of CO<sub>5</sub>.
- 4. The attainment of all COs (CO1-CO5) in the course are attained. So, the committee members have suggested increasing the target value from 60 % to 65% for the particular course which have 70% and above attained.

**B. B.Tech. – III year II semester**

- 1. The attainment of CO<sub>1</sub>, CO<sub>2</sub> and CO<sub>3</sub> for the course Digital Signal Processing is 48%, 47% and 54%. Attainments of all other COs are more than target value. The committee members have suggested that, the attainment of CO<sub>1</sub>, CO<sub>2</sub> and CO<sub>3</sub> can be enhanced by practical on the different types of bridges and remedial classes for week students focusing on more practice of numerical.
- 2. In the course Signals & Systems the attainment of CO<sub>2</sub>, CO<sub>4</sub> and CO<sub>5</sub> are 54%, 59% and 51% respectively. The attainment of the CO<sub>1</sub> and CO<sub>3</sub> have achieved the target value. The committee members have been suggested to solve more numerical problems in class and remedial classes for identified week students to enhance the attainment of CO<sub>2</sub>, CO<sub>3</sub>, CO<sub>4</sub> and CO<sub>5</sub>. The attainment compared to the previous AY only CO<sub>3</sub> has improved. The committee has advice to make changes in the teaching learning methodology.





**AY: 2019-20**

**C. B.Tech. – II year I semester**

1. The attainment of CO2, CO3, CO4 and CO5 for the course Analog Electronics is 53%, 41%, 56% and 59%. Attainments of all other CO1 are more than 60%. The committee members have suggested solving numerical in the class to improve the attainment of COs. Modify the content delivery methods to make the concepts clear by taking real time examples of the hardware systems.

**D. B. Tech. – III year I Semester**

1. The attainment of both CO5 for Power Electronics course is just below the target level i.e. 54%. Attainments of all other COs are more than 60%. The committee members have been suggested to give more assignment problems to increase the attainments of CO5.

2. The attainment of CO3 for the course Switchgear & Protection is below the target value i.e. 51%. Attainments of all other COs are more than the target level. The committee members have suggested that the attainment of CO1 can be enhanced by practical demonstration, animated videos and by solving more numerical in the class.

**E. Attainment of POs and PSOs for B.Tech: 2015-2019 Batch (Second Autonomous Batch)**

The attainment of all the POs (PO1-PO7) is level 1, (PO8 – PO12) is level 2 and PSOs (PSO1, PSO3) is level 1 and PSO2 is level 2 for the B.Tech batch of 2015-2019. All POs and PSOs have been successfully attained above level 1. The committee members have suggested that the target value of POs and PSOs can be set to level 2 for the 2016-2020 B.Tech batch with the approval of BoS committee.

**F. Guest Lecture and Workshop**

The committee members have suggested that the guest lectures on the industrial application and on the importance of the subjects like network analysis, digital design, electronics devices and signals & systems can improve the attainment of the COs. The committee members have also suggested to conduct workshops and hand-on training for industrial tuning of the subjects like Measurement & Instrumentation, Switchgear Protection, Electrical Machines and Electric Power Utilization to achieve COs more than the target level.

**G.** The Committee members have not suggested any modification in the department vision & mission as it is in line with the institutional vision & mission, POs, PEOs and PSOs.

**H.** Committee members have discussed about R18 III year courses.

Copy to

- The Principal
- Vice Principal Academics
- Program Assessment Committee
- Department File

*Ravi*  
PAC Chairperson  
HOD/EEE

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*Ravi*  
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