



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

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu
Accredited by NBA, Recognized under section 2(f) & 12(B) of the UGC act 1956
World Bank funded Institute, An ISO 9001-2008 Certified Institution
First Recognized Research Centre under JNTUA, Recognized as SIRO by DSIR



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 08.12.2023

Circular

It is hereby informed to all the members of Program Assessment Committee (PAC) that 12th Program Assessment Committee (PAC) Meeting is scheduled on 18-12-2023, Monday, 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 2022-23, I semester and II semester subjects.
2. Analysis of Overall PO's and PSO's attainment of 2019 – 23 batch.
3. Comparison of Overall attainment of PO's and PSO's of R-18 Regulation batches
4. Discussion on assessment methods to achieve attainment level in R-20 Regulation for UG syllabus.
5. Discussion on department vision and mission, if it is in line with institutional vision mission, POs, PEOs and PSOs or not?
6. Discussion on syllabus structure of R20 IV year courses and also about the CO-PO & CO-PSO correlation of the IV year courses.
7. Any other matter with the permission of the chair.

Pav

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 *Pav*

2. Dr. C. Kamal Basha *KCB*

3. Dr. Lakshmikhandan K *LK*

4. Dr. Balaji Damodhar T S. *Balaji*

5. Dr. Arul Kumar K. *Arul*

6. Mr. Sridhar N - *MS*

7. Mr. Vijay Kumar B *Bumr*

8. Mr. Rajesh K S - *RK*



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

Date: 18.12.2023

Minutes of 12th Program Assessment Committee (PAC) Meeting Held on 18-12-2023

In continuation with the previous meeting dated 20th December, 2022, PAC has been assembled on 18th December, 2023 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 2022-23, I semester and II semester subjects.
2. Analysis of Overall PO's and PSO's attainment of 2019 – 23 batch.
3. Comparison of Overall attainment of PO's and PSO's of R-18 Regulation batches
4. Discussion on assessment methods to achieve attainment level in R-20 Regulation for UG syllabus.
5. Discussion on department vision and mission, if it is in line with institutional vision mission, POs, PEOs and PSOs or not?
6. Discussion on syllabus structure of R20 IV year courses and also about the CO-PO & CO-PSO correlation of the IV year courses.
7. 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. Lakshmikhandan K
Asst. Professor, Dept. of EEE, MITS.
4. Dr. Balaji Damodhar T S
Asst. Professor, Dept. of EEE, MITS.
5. Dr. Arul Kumar K
Assoc. Professor, Dept. of EEE, MITS.
6. Mr. Sridhar N
Asst. Professor, Dept. of EEE, MITS.
7. Mr. Vijay Kumar B
Asst. Professor, Dept. of EEE, MITS.

Chairman

Prof

Member

KPS

Member

JS

Member

T.S. Myjamil

Member

A. S. S. S.

Member

NS

Member

B. V. V.

8. Mr. Rajesh K S
Asst. Professor, Dept. of EEE, MITS.

Member



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: 2022-23

A. B.Tech. – II Year

1. The attainments level of CO₁, CO₂, CO₃ and CO₄ for the course Electric Circuit Analysis is 0.6, 0.6, 1.4 and 0.9 respectively. Attainment level of CO₅ is more than 1.8 (Target Value). The committee members have suggested solving numericals from the previous year question papers and to engaging additional hours for the contents on the said COs to enhance the attainment.
2. The attainments level of CO₁ and CO₂ for the course Induction and Synchronous Machines is 1.1 and 1.6 respectively. Attainment level of all other COs is more than 1.8 (Target Value). The committee members have suggested to engaging additional hours for the contents on the said COs to enhance the attainment.
3. The attainment of all COs (CO₁-CO₅) in other courses are attained in second year. So, the committee members have suggested increasing the target value from 1.8 to 1.95 for the particular course which have 1.8 and above attained.

B. B.Tech. – III Year

The attainment level of CO₁ & CO₄ for the course Special Electrical Machines are 1.4 each respectively. The attainment of all other COs are more than 1.8 (Target value). So, the committee members have suggested engaging additional hours for the particular CO contents to improve the attainment for upcoming batches.

The attainment level of CO₃ & CO₅ for the course Signals and Systems are 1.4 and 1.7 respectively. The attainment of all other COs are more than 1.8 (Target value). So, the committee members have suggested solving more numericals on particular CO contents to improve the attainment for upcoming batches.

C. B.Tech. – IV Year

The attainment of all COs (CO₁-CO₅) in all courses are attained. So, the committee members have suggested increasing the target value from 65 % to 70% for the particular course which have 70% and above attained.

D. Attainment of PO's and PSO's for B. Tech: 2019-2023 Batch

The attainment of all the POs (PO₈, PO₉, PO₁₀) is level 3, (PO₁ to PO₆, PO₁₁ & PO₁₂) is level 2, (PO₇) is level 1 and PSOs (PSO₁ to PSO₃) is level 1 for the B.Tech batch of 2019-

2023. Except PO7 and PSOs all other POs have been successfully attained the target level of 2. The committee members have suggested that the target value of POs and PSOs can be set to level 2.25 for the 2020-2024 B.Tech batch with the approval of BoS committee.

E. Comparison of Overall attainment of PO's and PSO's of R-18 Regulation batches

The comparison of Overall attainment of PO's and PSO's of all R-18 Regulation batches is discussed in the meeting. The attainment details for all the batches is mentioned in the below table.

Batch	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
2019-23	77	74	71	70	75	76	69	86	81	81	74	73	69	70	69
2018-22	69	67	64	63	65	66	61	67	66	67	65	66	62	62	61

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 Power Systems, Power Electronics, Renewable Energy Sources and Electrical Vehicle Technology which can improve the attainment of the COs. The committee members have also suggested conducting workshops and hand-on training for industrial tuning of the subjects like Analog Electronics, Electrical Machines 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 syllabus structure of R20 IV year courses and also about the CO-PO & CO-PSO correlation of IV year courses..



PAC Chairperson
HOD/EEE

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

Copy to

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