



# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)  
NBA Accredited - B.Tech. (CIVIL, CSE, CST, ECE, EEE, MECH), MBA & MCA



## Department of Computer Science & Engineering

Date: 15/07/2024

### DEPARTMENT ORDER

The following faculty members of the department are requested to take up the responsibility by being the “**Program Assessment Committee (PAC)**” and see that the things are progressed in your assigned area. Any activity to your task of assignment has to be recorded from time to time and the same would be verified quiet often by the under-signed.

Your cooperation in this regard would be highly solicited.

#### **List of Program Assessment Committee Members**

Sl. No	Name of the Faculty members	Designation	Position of PAC
1	Dr. R. Kalpana	Professor & Head	Chairman
2	Dr. R. Nidhya	Professor	Member
3	Dr. R. Sudhakar	Associate Professor	Member
4	Dr. G. Arunkumar	Associate Professor	Member
5	Dr. K. Sudhakar	Senior Assistant Professor	Member
6	Dr. G. Sreenivasulu	Assistant Professor	Member

#### **Responsibilities of the committee:**

1. Monitoring the achievements of Course Outcomes (COs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).
2. Recommendations to bridge curriculum gaps for effective PO and PSO attainment.
3. Evaluating program effectiveness and suggesting necessary changes.
4. Measuring the extent of adherence to planned activities and calendar of events.
5. Preparation of periodic reports, records on program activities, progress and status reports.

Head of the Department:  
Computer Science & Engineering  
Madanapalle Institute of Technology & Science  
MADANAPALLE-517 325..

Principal  
Principal  
Madanapalle Institute of  
Technology & Science  
MADANAPALLE-517325

Copy to:

1. The Principal
2. Vice Principal Academics
3. PAC Members
4. Department File



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## Department of Computer Science & Engineering

### Circular – 1/PAC/2024-25

Date: 17/07/2024

It is hereby informed to the members of Program Assessment Committee (PAC) to attend the meeting scheduled on 19/07/2024 at 10:00 AM in the HoD cabin (WB 304).

#### Agenda of the meeting:

- Discussion regarding NBA Accreditation process.
- Departmental Events and Activity calendar.
- Assessment of previous year results and attainment analysis for the academic year 2023-24 I semester courses.
- Discussion on department vision and mission, POs, PEOs and PSOs consistency.
- Discussion on assessment methods to achieve attainment level in R-23 Regulation for UG syllabus.
- Discussion on validation of R23 II year courses.
- Attainment of COs, POs and PSOs of 2020-2024 batch (R20 Regulations).
- Any other matter with the permission of the chair.

Dr. R. Kalpana

Professor & Head - CSE

Head of the Department  
Computer Science & Engineering  
Madanapalle Institute of Technology & Science  
MADANAPALLE-517 325..

Copy to:

1. PAC Members
2. Department office.





**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**Minutes of Program Assessment Committee (PAC) Meeting**

**Date: 19.07.2024**

Minutes of **Program Assessment Committee (PAC)** Meeting held on 19/07/2024 in WB 304 at 10:00 AM with Dr. R. Kalpana, Head of the Department in the chair.

**Agenda:**

1. Discussion regarding NBA Accreditation process.
2. Departmental Events and Activity calendar.
3. Assessment of previous year results and attainment analysis for the academic year 2023-24 I semester courses.
4. Discussion on department vision and mission, POs, PEOs and PSOs consistency.
5. Discussion on assessment methods to achieve attainment level in R-23 Regulation for UG syllabus.
6. Discussion on validation of R23 II year courses.
7. Attainment of COs, POs and PSOs of 2020-2024 batch (R20 Regulations).
8. Any other matter with the permission of the chair.

**The following points are discussed, and the conclusions were made:**

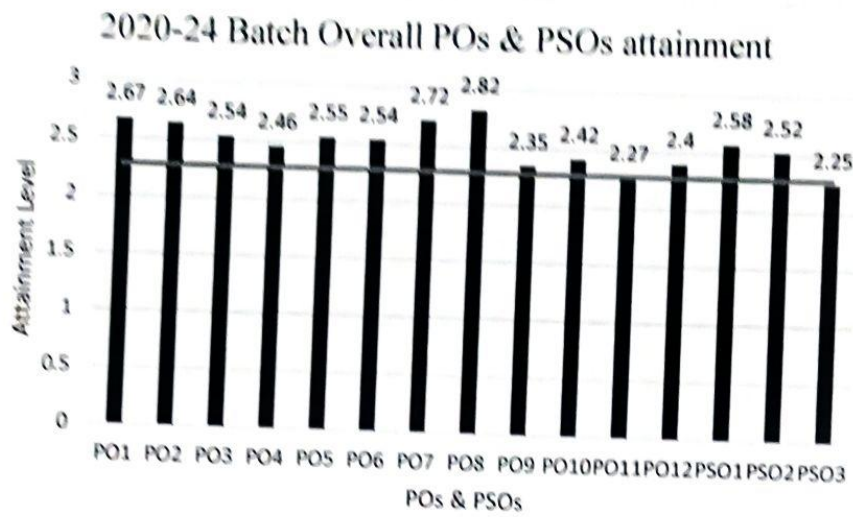
- Discussed about the previous PAC meeting amendments.
- Discussed regarding department events calendar.
- Discussed about the course outcomes of R23 II Year courses, emphasizing the need to align with outcome-based education and the COs-POs-PSOs mapping of all the courses.
- Each course outcomes of all courses are reviewed to ensure that COs are measurable, specific, and aligned with the program outcomes and program specific outcomes.
- The procedure for formulating the Course articulation and the program articulation matrix (R23) is discussed.
- The Committee members have discussed about the consistency of department vision & mission with POs, PEOs, PSOs and institutional vision & mission.
- Discussed about the action plan for the improvement of COs as follows:

- The CO attainment of II year course Probability and Statistics for Computer Science is not attained the target value. So the committee is suggested to give more problems to be solved in the class.
- The CO attainment of the III year course Machine learning is nearing to the target value. The committee has suggested to provide more hands-on practice.
- The CO attainment of the III year course Web technologies is not attained the target value. So, the committee members are suggested to incorporate few innovative teaching learning methods like demonstration learning/flipped class room, etc.
- The CO attainment of all the IV-year I and II Semester courses (R20) are attained more than 60%. So, the committee members have suggested that the target value of these courses may increase for 2021-2025 batch.
- A few courses are nearing their target attainment level for certain Program Outcomes (POs). To further enhance attainment for future batches, the committee has recommended implementing corrective actions such as workshops, seminars, tech talks, and other interactive learning activities.
- The committee members have discussed about the rubrics to validate the COs of R23 theory and the laboratory courses as per regulation.
- In Academic year 2023-2024 - I semester, few courses are nearing the attainment level for certain Program Outcomes (POS) So, the committee has suggested to incorporate few innovative teaching and learning methods such as workshops/seminar/hands-on trainings etc., to reach the attainment target level of the same subject for the current academic year.
- Discussed about the POs and PSOs which are all not attained for the project work.
- Analyzed the 2020-2024 batch overall POs and PSOs attainment and discussed about the corrective measures for the improvement of POs and PSOs for the next admitted batches.

**Overall attainment of Program outcomes & Program Specific Outcomes of 2020-24 Batch**

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
<b>Direct attainment Level</b>	2.67	2.64	2.52	2.41	2.51	2.52	2.73	2.85	2.27	2.41	2.20	2.33	2.55	2.47	2.23
<b>Indirect attainment Level</b>	2.65	2.62	2.64	2.64	2.72	2.62	2.70	2.68	2.66	2.46	2.55	2.68	2.69	2.71	2.35
<b>Overall PO &amp; PSO attainment Level</b>	2.67	2.64	2.54	2.46	2.55	2.54	2.72	2.82	2.35	2.42	2.27	2.40	2.58	2.52	2.25





Overall POs & PSOs attainment

- Discussed regarding action taken for not attained POs and PSOs.
- The committee members have suggested that the target value of POs and PSOs may be continued to the same level 2.28 for the 2021-2025 batch.

The following members of the Program Assessment Committee (PAC) were present:

S. No	Name	Designation	Signature
1	Dr. R. Kalpana	Professor & Head	
2	Dr. R. Nidhya	Professor	
3	Dr. R. Sudhakar	Associate Professor	
4	Dr. G. Arunkumar	Associate Professor	
5	Dr. K. Sudhakar	Senior Assistant Professor	
6	Dr. G. Sreenivasulu	Assistant Professor	

PAC Chairman  
(Prof. R. Kalpana)

Head of the Department  
Computer Science & Engineering  
Madanapalle Institute of Technology & Science  
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