



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi

NAAC Accredited with A+ Grade

NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date:17/05/2023

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. Arun Kumar	Associate Professor	Member
5	Dr. K. Sudhakar	Senior Assistant Professor	Member
6	Dr. S. Elango	Assistant Professor	Member
7	Dr. D. J. Ashpin Pabi	Assistant Professor	Member
8	Dr. R. Sundar	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.


H.D
Head of the Department,
Computer Science & Engineering
Madanapalle Institute of Technology & Science
MADANAPALLE-517325

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


Principal
PRINCIPAL
Madanapalle Institute of
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Circular – 1/PAC/2023-24

Date:22.05.2023

It is hereby informed to the members of Program Assessment Committee (PAC) to attend the PAC meeting scheduled on 25/05/2023 at 10:00 AM in the HoD cabin (WB 304).

Agenda of the meeting:

1. Departmental Events and Activity calendar.
2. Assessment of previous year results and attainment analysis for the academic year 2022-23 I semester courses.
3. Discussion on department vision and mission, POs, PEOs and PSOs consistency.
4. Discussion on validation of R20 IV year syllabus.
5. Discussion on finalization of R23 curriculum & R23 I Year Syllabus.
6. Discussion on curriculum compliance for the academic year 2023 - 2024.
7. 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.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Minutes of Program Assessment Committee (PAC) Meeting

Date: 25.05.2023

Minutes of Program Assessment Committee (PAC) Meeting held on 25.05.2023 in WB 304 at 10:00 AM with Dr. R. Kalpana, Head of the Department in the chair.

Agenda:

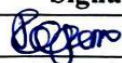






1. Departmental Events and Activity calendar.
2. Assessment of previous year results and attainment analysis for the academic year 2022-23 I semester courses.
3. Discussion on department vision and mission, POs, PEOs and PSOs consistency.
4. Discussion on validation of R20 IV Year syllabus.
5. Discussion on finalization of R23 curriculum & R23 I Year Syllabus.
6. Discussion on curriculum compliance for the academic year 2023 - 2024.
7. 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 about the course outcomes of R20 IV 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.
- Discussed about the finalization of R23 curriculum and I year syllabus.
- The procedure for formulating the Course articulation and the program articulation matrix (R20 & R23) is discussed.
- The Committee members have discussed about the consistency of department vision & mission with POs, PEOs, PSOs and institutional vision & mission.

- The attainment of CO2 for the course Human Computer Interaction is 40% and all other COs are more than 60%. The committee have suggested that it can be improved by giving more explanation on the process involved in designing the User Interface.
- The attainment of CO2 & CO4 for Probability and Statistics for Computer Science is less than target level. The committee have suggested to provide more problems to be solved in class.
- The CO1 & CO4 attainment for Object Oriented Programming using C++ is less than target level. The committee have suggested to adopt suitable innovative teaching learning method to reach the attainment target level.
- The CO attainment of all the III-year I 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.
- In Academic year 2022-2023 - 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.

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. Arun Kumar	Associate Professor	
5	Dr. K. Sudhakar	Senior Assistant Professor	
6	Dr. S. Elango	Assistant Professor	
7	Dr. D. J. Ashpin Pabi	Assistant Professor	
8	Dr. R. Sundar	Assistant Professor	


PAC Chairman
(Dr. R. Kalpana, Professor)

Head of the Department
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Circular – 2/PAC/2023-24

Date:07.12.2023

It is hereby informed to the members of Program Assessment Committee (PAC) to attend the PAC meeting scheduled on 11/12/2023 at 10:00 AM in the HoD cabin (WB 304).

Agenda of the meeting:

1. Assessment of previous results and analysis of Course outcomes (COs) attainment for the academic year 2022-23, II semester Courses.
2. Analysis of Overall POs & PSOs attainment of 2019 – 23 batch.
3. Analysis of extent of curriculum compliance of previous courses.
4. 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
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Copy to:

1. PAC Members
2. Department office.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Minutes of Program Assessment Committee (PAC) Meeting

Date: 11.12.2023

Minutes of Program Assessment Committee (PAC) Meeting held on 11.12.2023 in WB 304 at 10:00 AM with Dr. R. Kalpana, Head of the Department in the chair.

Agenda:

1. Assessment of previous results and analysis of Course outcomes (COs) attainment for the academic year 2022-23, II semester Courses.
2. Analysis of Overall POs & PSOs attainment of 2019 – 23 batch.
3. Analysis of extent of curriculum compliance of previous courses.
4. Any other matter with the permission of the chair.

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

- Discussed about the action plan for the improvement of COs as follows:
 - The CO1, CO3 and CO4 attainment for the course Discrete Mathematical Structures is lesser than the target value. The committee have suggested to provide more problems to be solved in the class.
 - The CO2 attainment for the course Economics and Financial Accounting for Engineers is lesser than the target value. The committee have suggested that it can be improved by encouraging students to do real time case studies.
 - The CO3 attainment for the course Operating Systems Fundamentals is 46% and all the other COs are more than 60%. The committee members have suggested to give hands-on coding practice to the students.
 - To enhance the quality of the student technical skills, the attainment target is increased to 80% for all MOOC courses. All the COs of III Year II semester MOOC course Privacy and Security in Online Social Media is not attained the target level. The committee members have suggested to adopt suitable teaching learning methods

for better understanding of concepts and attainment target level also may reduce to 70%.

- The CO attainment of all the III Year 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.
- The CO attainment of all the IV Year II Semester courses (R18) are attained more than 60%. So, the committee members have suggested that the target value of these courses may increase for 2020-2024 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 attainment of all the POs (PO₁, PO₂, PO₃, PO₄, PO₅, PO₆, PO₇, PO₈, PO₉, PO₁₀, PO₁₁, PO₁₂) and PSOs (PSO₁, PSO₂, PSO₃) is level 2 for the batch 2019-2023. All POs and PSOs have been successfully attained above level 1. The target value of POs and PSOs is level 2.25 for the 2019-2023 batch PO₄ alone is nearer to attain the target value. The committee members have suggested to incorporate any innovative teaching learning methods to enhance the attainment for the next batch.
- The committee members have suggested informing all course coordinators to review the previous year's attainment levels for their currently allotted courses. If necessary, they should take appropriate corrective actions in consultation with the Program Assessment Committee (PAC) Chairman to enhance attainment.
- The direct and indirect attainment level for the academic year 2022-2023 [Batch: 2019-2023] is as given below:

Target Level: 2.25

Table 1: Direct and indirect attainment level for the academic year 2022-2023

POs/PSOs		Direct Attainment	Indirect Attainment			Total Attainment
			Employer Survey	Alumni Survey	Graduate End Survey	
PO1	Engineering Knowledge	2.48	2.58	2.49	2.58	2.49
PO2	Problem Analysis	2.44	2.58	2.55	2.49	2.46
PO3	Design/Development of Solutions	2.39	2.64	2.52	2.55	2.43
PO4	Conduct Investigations of Complex problems	2.18	2.55	2.55	2.4	2.24
PO5	Modern tool usage	2.42	2.67	2.58	2.7	2.47

PO6	The Engineer and Society	2.26	2.52	2.73	2.52	2.32
PO7	Environment and Sustainability	2.50	2.7	2.7	2.55	2.53
PO8	Ethics	2.20	2.58	2.61	2.55	2.24
PO9	Individual and Team work	2.40	2.52	2.55	2.43	2.42
PO10	Communication	2.49	2.46	2.52	2.37	2.48
PO11	Project Management and Finance	2.44	2.46	2.43	2.49	2.44
PO12	Life-long Learning	2.28	2.7	2.64	2.55	2.35
PSO1	Computing Knowledge	2.42	2.7	2.64	2.55	2.46
PSO2	Software Design	2.37	2.73	2.67	2.76	2.44
PSO3	Analyze Real World problems	2.35	2.46	2.28	2.4	2.36

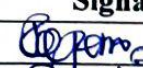
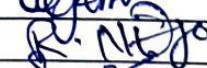





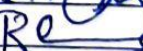
- The comparison of Overall attainment of POs and PSOs of R-18 Regulation batches is discussed in the meeting. The attainment details for all the batches are mentioned in the below table.

Table 1: Comparison of Overall Attainment of POs and PSOs

Overall Attainment	POs												PSOs		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
2019-23 Batch	2.49	2.46	2.43	2.24	2.47	2.32	2.53	2.28	2.42	2.48	2.44	2.35	2.46	2.44	2.36
2018-22 Batch	2.38	2.36	2.30	2.14	2.34	2.33	2.47	2.13	2.30	2.40	2.33	2.23	2.35	2.29	2.27

- The committee members have suggested that the target value of POs and PSOs can be increased to level 2.28 for the 2020-2024 batch.

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

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1	Dr. R. Kalpana	Professor & Head	
2	Dr. R. Nidhya	Professor	
3	Dr. R. Sudhakar	Associate Professor	
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8	Dr. R. Sundar	Assistant Professor	


PAC Chairman

(Dr. R. Kalpana, Professor)
Head of the Department

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