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, CST, ECE, EEE, MECH), MBA & MCA

Department of Computer Science & Technology

Date:10-06-2024

Members of the Program Assessment Committee (PAC)

The PAC has been formed for monitoring of different departmental activities. The PAC consists of HOD and faculty members of the department, who periodically monitor the departmental activities and evaluate different parameters.

Composition and approval of PAC:

The following members are nominated and approved for constitution of Program Assessment Committee for the AY-2024 -25.

| S.No.	Name of the member	Designation	Position of PAC
1.	Dr. K. Dinesh	Assoc. Professor	Chairman
2.	Dr. Basabi Chakraborty	Professor & Dean	Member
3.	Dr. M. Sreedevi	Professor & Head	Member
4.	Dr. Manikandan R	Assoc. Professor	Member
5.	Dr. S. Padma	Assoc. Professor	Member
6.	Dr N. Praveena	Assistant Professor	Member
7.	Dr N. Magesh kumar	Assistant Professor	Member

Functions and Responsibilities:

- Monitoring the attainments of Course Outcomes (COs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).
- Suggesting way and means to reduce the curriculum gaps in achieving PO's and PSO's.
- Evaluating program effectiveness and proposing necessary changes.
- Measuring the extent of adherence to planned activities and calendar of events.
- Preparation of periodic reports, records on program activities, progress and status reports.

HOD

PRINCIPAL
Principal
Madanapalle Institute of
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1. The Principal
2. Vice Principal Academics
3. PAC Members
4. Department File

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Department of Computer Science & Technology

<u>CIRCULAR</u>

Date: 20/06/2024

The Program Assessment Committee (PAC) meeting will be held on 28/06/2024 in the Scaleup Classroom at 10:00 AM. All the PAC members are requested to attend the meeting.

Agenda:

- Assessment of previous results and analysis of Course Outcomes (Cos), Program Outcomes (Pos) and Program Specific Outcomes (PSOs) for 2020-24 admitted batch.
- Discussion on proposal of R23 Curriculum.
- Any other matter with the permission of the chair.

Dr. K. Dinesh
Associate Professor
(PAC Chair Person)

Copy to:

- Department Office
- PAC Members

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Department of Computer Science & Technology

Date: 28/06/2024

Program Assessment Committee (PAC) Minutes of Meeting

Meeting was held on 28/06/2024 in the Scale-up Classroom at 10:00 AM, with Dr. K. Dinesh, Associate Professor, serving as the Chair, to discuss and review the assessment method for the attainment of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs), as well as to propose the R23 Curriculum and course content for 2nd Year B.Tech. Computer science related courses.

Agenda:
- Assessment of previous results and analysis of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) for the academic year 2023-24 I semester.
- Discussion on proposal of R23 Curriculum.
- Any other matter with the permission of the chair.

During the meeting, the following points were discussed:

Based on the discussion, PAC suggested the action plan for improvement in attainment level of COs and it is listed below:

Action Plan for the Academic Year 2023-2024 IV Year I Semester

Course Name	20CST407 – BIG DATA ANALYTICS				
	CO1	CO2	CO3	CO4	CO5
Target Value	2	2	2	2	2
Attainment Level	2.52	1.52	1.52	2.32	1.56
CO Attainment Result	YES	NO	NO	Yes	NO

Remarks: CO2, CO3 & CO5 not attained the target level.

Action Plan: The committee suggested that student must be given more practice question and real time examples

Action Plan for the Academic Year 2023-2024 III Year I Semester

The CO attainment for all the courses has reached the target value and the committee suggested to maintain the same target level as target level of all the POs are not attained.

Action Plan for the Academic Year 2023-2024 II Year I Semester

Course Name	20MAT111 - PROBABILITY AND STATICS				
	CO1	CO2	CO3	CO4	CO5
Target Value	2	2	2	2	2
Attainment Level	2.8	1.84	2.8	2.8	2.8
CO Attainment Result	YES	NO	YES	Yes	YES

Remarks: All the COs have attained except the CO2.

Action Plan: The committee suggested conducting extra classes to enhance student knowledge on engineering problems that can be solved using probability and statics

Course Name	20CST103 DATABASE SYSTEMS				
	CO1	CO2	CO3	CO4	CO5
Target Value	2	2	2	2	2
Attainment Level	2.8	1.84	2.8	2.8	2.32
CO Attainment Result	YES	NO	YES	Yes	YES

Remarks: All the COs have attained except the CO2.

Action Plan: The committee suggested that student must be given more practice question from online platform.
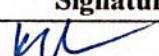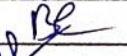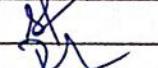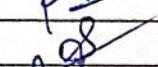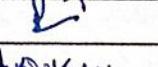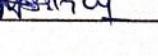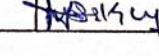
Since the results of the academic year 2023-24 even semester is yet to be declared, the analysis of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) for the 2023-24 II semester will be deferred and considered in the next Program Assessment Committee meeting.

1. Dr. K. Dinesh suggested including *Computer Networks* and *Operating Systems* as foundational subjects in the second year to strengthen students' core knowledge.

2. Dr. Basabi Chakraborty recommended incorporating *Innovation and Incubation Courses* to encourage project-based learning and practical exposure for students.

3. Dr. M. Sreedevi suggested including *Database Management Systems* and *Database Management Systems Laboratory* in the second semester curriculum for practical database applications.

4. Dr. Manikandan R emphasized the need for subjects like *Design and Analysis of Algorithms* and *Design and Analysis of Algorithms Laboratory* to enhance analytical and problem-solving skills.

5. Dr. S. Padma recommended adding *Object-Oriented Programming Through Java* and its *Laboratory* in the second semester to provide strong programming foundations.

6. Dr. N. Praveena suggested incorporating *Full Stack Development - I* as part of the curriculum to meet industry demand for software development skills.

7. Dr. N. Magesh Kumar recommended including *Python Programming* in the first year to improve coding proficiency and align with industry-relevant programming skills.

8. Dr. S. Padma emphasized the inclusion of *Computer Networks Laboratory* to provide practical exposure alongside theoretical concepts in the third year.

9. Dr. M. Sreedevi recommended incorporating *Digital Logic and Computer Organization* in the second year to strengthen fundamental computer architecture knowledge.

10. Dr. K. Dinesh suggested including *Competitive Coding* as a Skill Enhancement Course to prepare students for coding competitions and improve their problem-solving abilities.

PAC committee members advised that the course content and syllabi undergo review by both the course coordinator and senior faculty members. It is recommended to structure course objectives and outcomes using Bloom's Taxonomy, ensuring measurability for each outcome. Additionally, comparing course outcomes with program outcomes is suggested to identify alignment or gaps. This process is to be upheld consistently across all academic years.

PAC Members:

S.No.	Name of the member	Position of PAC	Signature
1.	Dr. K. Dinesh	Chairman	
2.	Dr. Basabi Chakraborty	Member	
3.	Dr. M. Sreedevi	Member	
4.	Dr. Manikandan R	Member	
5.	Dr. S. Padma	Member	
6.	Dr N. Praveena	Member	
7.	Dr N. Magesh Kumar	Member	

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Department of Computer Science & Technology

Date: 13/06/2024

DEPARTMENT ORDER

The following faculty members of the department are requested to take up the responsibility by being the **"Department Advisory Board"** and see that things are progressing in the assigned area.

Your cooperation in this regard would be highly appreciated.

Composition and approval of DAB:

The following members are nominated and approved for constitution Department Advisory Board for the AY-2024 -2025.

S.NO	Name of the Faculty	Designation	Position of DAB
1	Dr. M. Sreedevi	Professor & Head	Chairman
2	Dr. K. Dinesh	Associate Professor	Member
3	Dr. S. Padma	Associate Professor	Member
4	Dr. N. Magesh Kumar	Assistant Professor	Member
5	Dr. N. Sivakumar	Professor	Academic Expert
6	Prof. T. Sreenivasulu Reddy	Associate Professor	Academic Expert
7	Mr. Venkatakrishnan R	Senior Associate, Cognizant Chennai	Industry Expert
8	Ms. T. Madhuri	Associate Engineer, Carelon Global Solutions	Alumni

Functions and Responsibilities:

- DAB consists of HoD, PC and the representatives of key stake holders.
- DAB receives the report of the PAC and monitors the progress of the programme.
- Develops, recommends and approves new or revised programme goals and objectives.

HOD

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Department of Computer Science & Technology

CIRCULAR

Date: 26/06/2024

The Department Advisory Board (DAB) meeting will be held on 04/07/2024 in the WB320 classroom at 10:00 AM. All the DAB members are requested to attend the meeting.

Agenda:

- Assessment of previous results and analysis of Course Outcomes (Cos), Program Outcomes (Pos) and Program Outcomes (PSOs) of 2020-24 admitted batch.
- Discussion on proposal of R23 Curriculum.
- Discussion on department vision, mission and PEOs.
- Any other matter with the permission of the chair.
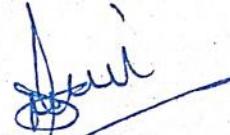
Dr. M. Sreedevi
Professor & Head

Principal
Madanapalle Institute of
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Department of Computer Science & Technology

Date: 04/07/2024

Department Advisory Board Minutes of Meeting

Department Advisory Board (DAB) meeting held on 04/07/2024 in the WB320 at 10:00 AM with Dr. M. Sreedevi, Professor & Head as Chair to discuss and review the assessment method for the attainment of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs), as well as to propose the R23 Curriculum.

Agenda:
- Assessment of previous results and analysis of Course Outcomes (Cos), Program Outcomes (Pos) and Program Outcomes (PSOs) of 2020-24 admitted batch.
- Discussion on proposal of R23 Curriculum.
- Discussion on department vision, mission and PEOs.
- Any other matter with the permission of the chair.

During the meeting, the following points were discussed:

- Dr. M. Sreedevi, Professor & Head, welcomed the members of the committee who has assembled for reviewing the assessment method for the attainment of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs), as well as to propose the R23 Curriculum.
- The members discussed the suggestions given by PAC members in terms of attaining Course Outcomes, Program Outcomes, and Program Specific Outcomes during a meeting held on 28/06/2024
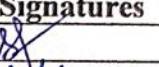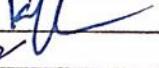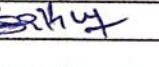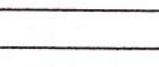
  The following **subjects** were proposed for inclusion and enhancement in the curriculum:
- **Semester II year I semester:**
  - Digital Logic and Computer Organization
  - Object-Oriented Programming Through JAVA
  - Database Management Systems
  - Object-Oriented Programming Through JAVA Laboratory
  - Database Management Systems Laboratory
  - Python Programming
- **Semester II year II semester:**
  - Design and Analysis of Algorithms
  - Operating Systems
  - Computer Networks

- o Design and Analysis of Algorithms Laboratory
- o Computer Networks Laboratory
- o Full Stack Development - I
- o Environmental Science

- The committee emphasized enhancing core competencies through practical exposure by incorporating **laboratory components** for:
  - o Object-Oriented Programming Through JAVA
  - o Database Management Systems
  - o Design and Analysis of Algorithms
  - o Computer Networks

- **Dr. K. Dinesh** proposed including **Competitive Coding** as a **Skill Enhancement Course** to improve students' coding skills and placement readiness. The committee unanimously approved the proposal.

List of Faculty Members in the Department Advisory Committee

S.No.	Name of the Faculty	Position of DAB	Signatures
1	Dr. M. Sreedevi	Chairman	
2	Dr. K. Dinesh	Member	
3	Dr. S. Padma	Member	
4	Dr. N. Magesh Kumar	Member	
5	Dr. N. Sivakumar	Academic Expert	
6	Prof. T. Sreenivasulu Reddy	Academic Expert	
7	Mr. Venkatakrishnan R	Industry Expert	
8	Ms. T. Madhuri	Alumni	