



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Date : 13/08/2021

**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 – 2021 – 2022.


Sl. No	Name of the Faculty members	Designation	Position of PAC
1	Dr. R. Kalpana	Professor & Head	Chairman
2	Dr. Mahaboob Basha Shaik	Professor	Member
3	Dr. R. Nithya	Associate Professor	Member
4	Dr. R. Sudhakar	Associate Professor	Member
5	Dr. P.V. Venkateswara Rao	Associate Professor	Member
6	Dr. G. Arun Kumar	Associate Professor	Member
7	Dr. D. J. Aspin Pabi	Assistant-Professor	Member
8	Dr. P. Ramanathan	Professor	Member (External)

Roles and responsibilities of the PAC:

1. Monitoring the achievements of Course Outcomes (COs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).
2. Suggesting way and means to reduce the curriculum gaps in achieving PO's and PSO's.
3. Evaluating program effectiveness and proposing 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.

  
HOD / CSE

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



**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**

### **Circular**

**Date: 16.08.2021**

An inspiration session will be conducted on 18/08/2021 in the CSE HoD cabin (WB 306) at 10:00 AM. All the PAC members and stakeholders are requested to attend the session.

#### **Agenda of the meeting:**

- Discuss about the PO/PSO attainment of 2022 passed out batch.
- Action plan to improve the PO/PSO attainment.

Dr. R. Kalpana  
Professor & Head,  
Department of CSE.

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

Copy to:  
Department office.





## **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

### **PAC Minutes of Meeting**

An inspiration session has been held on 18/08/2021 in the CSE HoD cabin (WB 306) at 10:00 AM with Dr. R. Kalpana, Professor & Head, as a Chair to discuss about the PO/PSO attainment and plan action for improvement.

**During the meeting the following points were discussed:**

- PO/PSO attainment for the passed out batch 2022 is submitted.
- Discussed about the attainment and identified that some of the PO didn't meet the target level.
- Discussed about the action plan for the improvement of PO/PSO.
- Dr. R. Kalpana, Professor discussed about the course outcomes of the syllabus and COs-POs-PSOs mapping of all the courses.
- Dr. Mahaboob Basha Shaik, Professor emphasized on the final year students could be encouraged to attend the full semester internship with project work during IV/II semester in reputed research organizations/institutions.
- Dr. V. Arun, Associate Professor emphasized on Internet of Things theory and practical courses could be added in the curriculum that improve the student's practical knowledge in IoT.
- Prof. T. Sreenivasulu Reddy, Academic Expert encouraged that final year students can do industrial projects during the internship.
- Mr. M. Lokesh Kumar Rao, Industry Expert suggested that the students could be motivated to work with multi-disciplinary projects to fulfill the societal requirements.
- The committee members have suggested that the target value of POs and PSOs may be continued to the same level 75% for the 2018-2022 Batch B. Tech also.
- Mr. Aslam Basha, Alumnus encouraged that assignments could be given in the Machine Learning, Big Data Analytics and Cloud Computing to aware of working principles.
- Parents suggested some activities like Interactive classroom, Career Development, etc., for improvement in enhancing the attainment levels.
- Based on the discussion, PAC suggested the action plan for the improvement in attainment levels of POs/PSOs and it is listed below.

SCIENCE & ENGINEERING  
The direct and indirect attainment level for the academic year 2021-2022 [Batch: 2017-2021] is as given below:

Target Level: 75

POs/PSOs		Direct Attainment	Direct Attainment			Total Attainment
			Employer Survey	Alumni Survey	Graduation Survey	
PO1	Engineering Knowledge	73	85	82	94	76
PO2	Problem Analysis	72	87	84	89	75
PO3	Design/Development of Solutions	71	82	89	93	75
PO4	Conduct Investigations of Complex problems	71	89	85	90	75
PO5	Modern tool usage	74	89	83	92	77
PO6	The Engineer and Society	72	84	87	93	76
PO7	Environment and Sustainability	73	83	87	90	76
PO8	Ethics	74	88	86	89	77
PO9	Individual and Team work	78	86	84	94	81
PO10	Communication	77	86	85	84	79
PO11	Project Management and Finance	77	86	88	92	80
PO12	Life-long Learning	72	85	87	91	75
PSO1	Computing Knowledge	72	81	79	92	75
PSO2	Software Design	69	90	85	94	74
PSO3	Analyze Real World problems	71	88	82	93	75

*U. S. S.*  
Program Coordinator

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



**Action plan for the Academic Year 2021 – 2022**

<b>POs/PSOs</b>		<b>Suggestions</b>
PO1	Engineering Knowledge	<ol style="list-style-type: none"> <li>1. For weak students remedial lectures are arranged after completion of syllabus.</li> <li>2. Arranged workshop program and training for students and to acquire soft skills.</li> </ol>
PO2	Problem Analysis	<ol style="list-style-type: none"> <li>1. Include design based experiments in lab.</li> </ol>
PO3	Design/Development of Solutions	<ol style="list-style-type: none"> <li>1. Industry personnel to be invited to deliver lectures in the area of design and simulation.</li> <li>2. Special courses in programming languages are conducted to improve the skills of developing computer based solution.</li> </ol>
PO4	Conduct Investigations of Complex problems	<p>Faculty was instructed:</p> <ol style="list-style-type: none"> <li>1. To make familiarize students for interpretation of data using latest research method.</li> <li>2. To follow experimentation standard procedure and error is calculated for each.</li> <li>3. Visit of R&amp;D laboratories were planned.</li> </ol>
PO5	Modern tool usage	<ol style="list-style-type: none"> <li>1. Latest software tools are installed in computer laboratory.</li> <li>2. Industry suggestions are collected for curriculum development.</li> </ol>
PO6	The Engineer and Society	<ol style="list-style-type: none"> <li>1. The students to participate/conduct technical events, other events where their basic knowledge should convert to the application matching with professional engineering practice.</li> </ol>
PO7	Environment and Sustainability	<ol style="list-style-type: none"> <li>1. Students were involved in projects related to global and environmental issue solutions.</li> <li>2. Field visit to industry to understand the software strategies.</li> </ol>
PO8	Ethics	<ol style="list-style-type: none"> <li>1. Invite eminent personnel from Law institute for guest lecture on Patent Laws for both faculty and students.</li> </ol>
PO9	Individual and Team work	<ol style="list-style-type: none"> <li>1. Students are given group assignments and minor projects to groom the individual and teamwork skills.</li> <li>2. To conduct with students project in team.</li> </ol>
PO10	Communication	<ol style="list-style-type: none"> <li>1. Group discussions, seminars, presentations, defense of dissertation and soft skills training programs are organized to enhance the aspects of communication skills.</li> </ol>
PO11	Project Management and Finance	<ol style="list-style-type: none"> <li>1. To continue with the students project work as a team and encourage them to work with other departments.</li> <li>2. In project work, management aspects and financial aspects are instructed and monitored.</li> </ol>
PO12	Life-long Learning	<ol style="list-style-type: none"> <li>1. Discuss journal papers in the relevant and current areas.</li> <li>2. Importance of lifelong learning is imported to the students in the subjects.</li> </ol>
PSO1	Computing Knowledge	<ol style="list-style-type: none"> <li>1. Academic workshops were organized to enhance the knowledge of students.</li> </ol>
PSO2	Software Design	<ol style="list-style-type: none"> <li>1. Invited lectures from industry personnel to deal with case studies on design, simulation and optimization.</li> </ol>


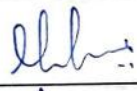
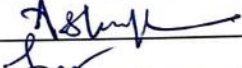




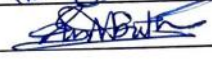




PSO3	Analyze Real World problems	<p>2. Additional problems were practiced to gain the problematical skills applicable to Automata Theory.</p> <p>1. More students are encouraged to select real world problems and provide solution for Smart India Hackathon and Hacker Earth.</p> <p>2. Students are taught importance of latest technology, workshops on latest are arranged.</p>
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The following members of the Program Assessment Committee (PAC) were present:

S. No	Name	Designation	Signature
1	Dr. R. Kalpana	Professor & Head	
2	Dr. Mahaboob Basha Shaik	Professor	
3	Dr. V. Arun	Associate Professor	
4	Dr. P. V. Venkateswara Rao	Associate Professor	
5	Dr. G. Arunkumar	Associate Professor	

The following members of the stakeholders were present:

S. No	Name	Designation	Signature
1	Prof. T. Sreenivasulu Reddy	Associate Professor, Dept. of CSE, School of IT, JNTUH Hyderabad	
2	Mr. M. Lokesh Kumar Rao	Project Manager, NTT DATA, Bangalore	
3	Mr. Aslam Basha	Software Engineer, Wipro	
4	Mr. B. Sekhar	Parent	
5	Mr. P. Mallikarjuna	Parent	
6	Dr. J. Suresh	Associate professor	
7	Dr. S. V. Venkatesh	Associate professor	
8	Dr. R. Anand Kumar	Assistant Professor	
9	Dr. D. T. Ashwin Pab	Assistant professor	
10	Mr. S. Syed Abuthahir	Assistant professor	

  
PAC Chairman  
(Dr. R. Kalpana, Professor)

Head of the Department  
Computer Science & Engineering  
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