



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date : 04/07/2017

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 – 2017 – 2018.

Sl. No	Name of the Faculty members	Designation	Position of PAC
1	Dr. R. Kalpana	Professor	Chairman
2	Dr. M. Sreedevi	Professor & Head	Member
3	Dr. S. Babu	Professor	Member
4	Dr. P. Kuppusamy	Professor	Member
5	Dr. V. Thirupathy Kesavan	Associate Professor	Member
6	Dr. Venington	Associate Professor	Member
7	Dr. K. Saravanan	Associate Professor	Member
8	Dr. V.C. Bharathi	Associate Professor	Member

Roles and responsibilities of the PAC:

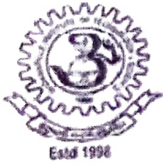
1. Monitoring the achievements of Course Outcomes (COs), Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).
2. Suggesting way and means to reduce the curriculum gaps in achieving PO's and PSO's.
3. Evaluating program effectiveness and proposing necessary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


Principal

Copy to :

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



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

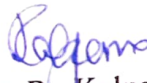
CIRCULAR

Date: 12/07/2017

The Programme Assessment Committee (PAC) meeting will be held on 15/07/2017 in the CSE Seminar hall (WB219) at 1:00 PM. All the PAC members are requested to attend the meeting.

Agenda:

- Formulate correlation between POs and PEOs
- Formulate correlation between PSOs and PEOs


Dr. R. Kalpana
Professor
(PAC Chair Person)

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- Department Office



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 15/07/2017

MINUTES OF THE MEETING

Programme Assessment Committee (PAC) meeting held on 15/07/2017 in the CSE Seminar hall (WB219) at 1.00 PM with Dr. R. Kalpana, Professor as Chair to formulate the correlation between POs , PEOs and PSOs , PEOs.

Following Programme Assessment Committee (PAC) members have attended the meeting:

S. No.	Name	Designation	Signature
1	Dr. R. Kalpana (Chair Person)	Professor	
2	Dr. M. Sreedevi	Professor & Head	
3	Dr. S. Babu	Professor	
4	Dr. V. Thiruppathy Kesavan	Associate Professor	
5	Dr. Veningston K.	Associate Professor	

The PAC committee analyzed the PO, PSO, PEO statements and suggested correlation as follows:

➤ **Correlation between POs and PEOs**

PO \ PEO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
PEO1	3	3	3	2	3	2	2	2	3	3	2	2
PEO2	3	3	3	3	2	2	2	2	2	2	2	2
PEO3	2	2	2	2	2	3	3	3	2	2	2	3

Note: 3- Strongly Correlated, 2- Moderately Correlated, 1- Slightly Correlated

➤ **Correlation between PSOs and PEOs**

PSO \ PEO	PEO1	PEO2	PEO3
PSO1	3	2	1
PSO2	3	1	1
PSO3	2	2	1

Note: 3- Strongly Correlated, 2- Moderately Correlated, 1- Slightly Correlated

PAC Chair Person
(Dr. R. Kalpana Professor)



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Department of Computer Science & Engineering

Circular

Date: 14/07/2017

An inspiration session will be conducted on 29/07/2017 in the CSE Seminar hall (WB219) at 10.00 AM. All the PAC members and stakeholders are requested to attend the session.

Agenda of the meeting:

- Discuss about the PO attainment of 2017 passed out batch.
- Action plan to improve the PO attainment.

**Dr. M. Sreedevi,
Professor,
Department of CSE.**

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Department Office,



Department of Computer Science & Engineering

The direct and indirect attainment level for the academic year 2017-2018 [Batch: 2013- 2017] is as given below

Target level :70

POs		Direct Attainment	Indirect Attainment			Total Attainment
			Employer Survey	Alumni Survey	Graduation Exit Survey	
PO1	Engineering Knowledge	68	73	84	78	71
PO2	Problem Analysis	66	85	73	86	70
PO3	Design/development of solutions	67	88	88	85	72
PO4	Conduct investigations of complex Problems	65	93	84	81	70
PO5	Modern tool usage	66	80	78	88	71
PO6	The engineer and society	66	75	76	82	70
PO7	Environment and sustainability	66	85	78	78	70
PO8	Ethics	66	75	81	80	71
PO9	Individual and team work	64	70	81	72	68
PO10	Communication	68	88	77	73	70
PO11	Project management and finance	63	80	76	79	67
PO12	Life-long learning	63	78	79	72	67


Programme Coordinator


HOD



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Department of Computer Science & Engineering

PAC Minutes of Meeting

An inspiration session has been held on 29/07/2017 in the CSE Seminar hall (WB219) at 10.00 AM with Dr. M. Sreedevi, Professor, as Chair to discuss about the PO attainment and plan action for improvement.


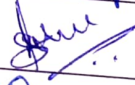
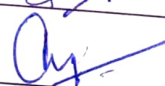
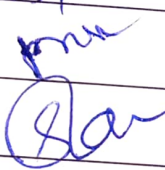
During the meeting following points were discussed:

- PO attainment for the passed out batch 2017 is submitted.
- Discussed about the attainment and identified that PO9, PO11 and PO12 didn't meet the target level.
- Discussed about the action plan for the improvement of PO
- Dr. M. Sreedevi, Professor emphasized that the Students are encouraged to participate in technical events and industrial visits so that they can gain insight in solving complex engineering problems.
- Dr. V. C. Bharathi, Assoc. Professor emphasized on Internet of Things theory and practical courses could be added in the curriculum that improve the students practical knowledge in IoT.
- Prof. T. Sreenivasulu Reddy, Academic Expert suggested that the Students are encouraged to do internships in industry / premier institutes of learning like IIT / IISc Bangalore, to get exposed to newer areas of research.
- Based on the discussion, PAC suggested the action plan for improvement in attainment levels of POs and it is listed below.

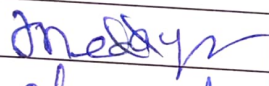
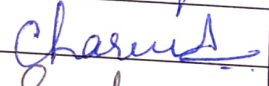

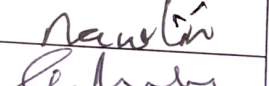



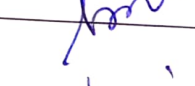
Action plan for the Academic Year 2017-2018


PO	Suggestion for Improvement
PO1	Relevant journal papers, problems involving current research to be discussed in class or be part of assignment.
PO2	Students are encouraged to observe their homes and surroundings to gain insight into real life engineering problems and think of possible approaches/solutions to these problems.
PO3	Students are inspired to take up the projects with emphasis on societal and environmental concerns.
PO4	Motivate more students at lower semester to take up research projects, attend conferences and publish papers.
PO5	Mini projects are given to the students in the subject – Software Project Management. Students are encouraged to use modern tools for implementations.
PO6	Industry personnel to be invited to deliver lectures in the area of design and simulation.
PO7	Department has initiated to do B. Tech projects related to the environment and society
PO8	Case studies are to be given to students to expose the knowledge on factors affecting environment sustainment
PO9	To continue with students project work in team. Conduct different co-curricular activities like paper presentation, group discussion and project exhibition for students to work on team and communicate effectively.
PO10	Soft Skill training program is conducted for III year students to improve their personal, attitude and communication skills
PO11	To continue with the students project work as a team and encourage them to work with other departments.
PO12	Discuss Journal papers in the relevant and current areas. Assignments to be based on current areas for development.

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

No.	Name	Designation	Signature
1	Dr. M. Sakthi Ganesh	Professor and HoD	
2	Dr. M. Sreedevi	Professor, Chairman	
3	Dr. S. Babu	Professor	
4	Dr. Kuppusamy	Professor	
5	Dr. K. Saravanan	Assoc. Professor	

The following members of the stakeholders were present:

No.	Name	Designation	Signature
1	T. Sreenivasulu Reddy	Academic Expert	
2	Chandras	Software Eng.	
3	Jayasamha	Software Eng, TCS	
4	Nandhini	Alumnus	
5	G. Annamalai	Asso - Prof	
6	Dr. B Ramachandra Reddy	Sr. Asst Professor	
7	Dr. J. Suresh Babu	Asst. Professor	
8	Dr. V. Anand	Sr. Asst Professor	


PAC Chairman
(Dr. M. Sreedevi, Professor)



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Department of Computer Science & Engineering

Circular

Date: 10/8/2017

The Program Assessment Committee (PAC) meeting will be held on 10/08/2017 at 10.00 AM in CSE seminar hall (WB219). All the PAC members are requested to attend the meeting.

Agenda:

- To review the rubrics to validate the attainment of COs.
- To review the rubrics to validate the attainment of POs.
- To form the rubrics to validate the attainment of PSOs.


PRINCIPAL

Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P



Dr. R. Kalpana
Professor
Department of CSE

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PAC minutes of meeting

Date: 10/08/2017

The Program Assessment Committee (PAC) meeting was conducted on 10/08/2017 at 10:00 AM in CSE seminar hall (WB219). Dr. R. Kalpana, Professor of CSE department presided over the meeting.

The following points were discussed in the meeting

- The Committee Members gone through the COs, POs and PSOs statements.
- The Committee decided to use common rubrics to validate POs & PSOs.
- The Committee Members discussed about the Rubrics to validate COs of theory courses and finalized as mention in table given below

Assessment Type		Number of Evaluations	Max Marks	Course Outcomes attained
Direct Assessment Methods	CIE 1	ONE (end of 2 Units)	30	CO 1, 2
	CIE 2	ONE (end of 5 Units)	30	CO 3, 4, 5
	SEE	ONE (end of course)	60	CO 1, 2, 3, 4, 5
	Assignment 1	ONE (end of 2 Units)	5	CO 1, 2
	Assignment 2	ONE (end of 5 Units)	5	CO 3, 4, 5
Indirect Assessment Methods	Course End Survey	ONE (end of course)		CO 1, 2, 3, 4, 5

CIE –Continuous Internal Evaluation, SEE – Semester End Examination

- The Committee Members discussed about the Rubrics to validate COs for laboratory courses and finalized as mention in table given below

Assessment Type		Number of Evaluations	Max Marks	Evidence Collected
Direct Assessment Methods	Lab Record	One / Exercise	20	Lab Record
	Lab Observation	One / Exercise	15	Attendance Register
	Viva	Three / course (end of 33% syllabus content)	5	Attendance Register
	SEE	One (end of course)	60	Answer Scripts
Indirect Assessment Methods	Course End Survey	One (end of course)	-	Questionnaire

- The Committee Members discussed about the Rubrics to validate COs for Mini project and finalized as mention in table given below

Review number	Rubrics
Review 1	Objectives Literature Survey Methodology
Review 2	Design, Demonstration Presentation
Review 3	Incorporation of Suggestions and Technical Details. Extent of work carried out to prepare the technical content of the Project. Originality of the content Results

- The Committee Members discussed about the Rubrics to validate COs for Technical Seminar and finalized as mention in table given below
 - ✓ Presentation
 - ✓ Report
 - ✓ Answer to Queries

- The Committee Members discussed about the Rubrics to validate COs for Major project and finalized as mention in table given below

Review Number	Rubrics
Review 1	<ul style="list-style-type: none"> Problem Statement Feasibility Literature Survey Requirements
Review 2	<ul style="list-style-type: none"> Entities/ Relationships UML Diagrams/ DFDs Database Design Presentation & Team work
Review 3	<ul style="list-style-type: none"> Project demonstration Quality of Project Clarity and presentation of the report Delivery: Oral delivery, contact with audience, slides, timing Quality of answers

- CO Attainment level is calculated from the percentage of attainment as below
 - Level 1 - 60%** students scoring more than **50%** marks out of the relevant maximum marks in SEE/CIE
 - Level 2 - 70%** students scoring more than **50%** marks out of the relevant maximum marks in SEE/CIE
 - Level 3 - 80%** students scoring more than **50%** marks out of the relevant maximum marks in SEE/CIE
- The Committee Members discussed about the Rubrics to validate POs and PSOs and finalized as mention in table given below.







	What	When/ Where (Frequency in the course)	Evaluation of course outcomes	Contributing to Program Outcomes
Direct Assessment Tools	CIE	Internal assessment tests	Twice in a semester	CO1 – CO5 PO1 – PO12* PSO1-PSO3*
		Assignment/ seminars/ mini project	Twice in a semester	CO1 –CO5 PO1 – PO12* PSO1-PSO3*
	SEE	Examination	End of every semester	CO1-CO5 PO1 – PO12* PSO1-PSO3*

Indirect Assessment	Graduate Survey	End of the program	-	PO1 – PO12 PSO1-PSO3
	Employer Survey	Once in a Year	-	PO1 – PO12 PSO1-PSO3
	Alumni Survey	Once in a Year	-	PO1 – PO12 PSO1-PSO3

* Depends on the nature of the subject.

- It is decided to give 80% weightage to direct assessment and 20% to indirect assessment.

Following PAC members have attended the meeting:

S.NO	Name of the Faculty	Designation	Signature
1	Dr. R. Kalpana	Assoc. Professor (Chair Person)	
2	Dr. M. Sreedevi	Professor	
3	Dr. Kuppusamy	Professor	
4	Dr. V.C Bharathi	Assoc. Professor	
5	Dr. Venington .K.	Assoc. Professor	
6	Dr. K.Saravanan	Assoc. Professor	



PRINCIPAL

Maidanapalle Institute of Technology & Science
 Office NO: 14, Kadiri Road, Angallu
 MAIDANAPALLE - 517 325 A.P.



Dr. R. Kalpana

PAC Chairperson