



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


Principal

Copy to :

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

- Based on the discussion, PAC suggested the action plan for improvement in attainment levels of POs/PSOs and it is listed below.

Action plan for the Academic Year 2020-2021

PO / PSO		Suggestion for Improvement
PO1	Engineering Knowledge	<ol style="list-style-type: none"> 1. Tutorial hours can be added and effectively utilized in engineering core subject to enhance the basic engineering knowledge. 2. Special classes can be arranged for Mathematical subjects to improve the attainment.
PO2	Problem Analysis	<ol style="list-style-type: none"> 1. Aptitude classes are conducted to improve the analytical skills. 2. Include few additional design based experiments in laboratories
PO3	Design/ development of solutions	<ol style="list-style-type: none"> 1. Industry inputs in curriculum development to be continued. 2. Technical training can be conducted on programming languages like C, Python, Java
PO4	Conduct investigations of complex Problems	<ol style="list-style-type: none"> 1. Mini project can be started at III year II semester instead of IV year I semester 2. Motivate more students to take up research activities, attend conferences and publish papers.
PO5	Modern tool usage	<ol style="list-style-type: none"> 1. Case studies can be given to students in latest tools and technologies 2. Students are encouraged to use modern tools during implementation of mini project and main project.
PO6	The engineer and society	<ol style="list-style-type: none"> 1. Industry visits can be arranged to understand how engineers satisfying societal needs.
PO7	Environment and sustainability	<ol style="list-style-type: none"> 1. Case studies are to be given to students to expose the knowledge on factors affecting environment sustainment 2. Full semester internship with project work can be allowed for IV/II semester in a reputed industry
PO8	Ethics	<ol style="list-style-type: none"> 1. Students are encouraged to become member in any professional organization like CSI, ISTE, IEEE etc. to know the ethics of different professional bodies.
PO9	Individual and team work	<ol style="list-style-type: none"> 1. To continue with students project work in team. 2. In Project work, the performance of individual student is monitored and mark is awarded based on that
PO10	Communication	<ol style="list-style-type: none"> 1. Verbal classes can be continued 2. English language related laboratories can be conducted
PO11	Project management and finance	<ol style="list-style-type: none"> 1. In project work, management aspects and financial aspects are instructed and monitored.

PO12	Life-long learning	1. Conduct different co-curricular activities like paper presentation, technical quiz, Project reviews for students
PSO1	Computing Knowledge	1. Tutorial hours can be conducted in the core computer subjects to enhance the basic computer knowledge 2. Workshop, Seminar and guest lecture are arranged in the field of Computer and Information Technology
PSO2	Software Design	1. Technical training can be conducted on programming languages like C, Python, Java 2. Software design based experiments can be included in laboratories
PSO3	Analyze Real world Problems	1. In project work, encourage the students to take real world problems and try to find the feasible solutions. 2. Design events are conducted in analytical subjects to improve the problem analysis skills

- PAC also discussed about the action plan for the improvement of COs
- The committee validated the action plan proposed by Course Coordinators
- Based on course coordinators input, PAC suggested the action plan for improvement in attainment levels of COs and it is listed below

Action Plan for the Improvement of Course Outcome

Course Name	14HUM101 Principles of Economics				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	82	81	63	63	50
Target Value	1	1	1	1	1
Attainment Level	3	3	1	1	0
CO Attainment Result	Yes	Yes	Yes	Yes	No
Remark: The attainment level of CO5 is not achieved the target.					
Action Plan: It can be improved by giving more case studies on measurement methods of macro-economic variables					
Course Name	14MAT104 Probability & Statistics				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	77	58	67	67	72
Target Value	1	1	1	1	1
Attainment Level	2	0	1	1	2
CO Attainment Result	Yes	No	Yes	Yes	Yes
Remark: The attainment level of CO2 is not achieved the target.					
Action Plan: It can be improved by giving more tutorial hours for Discrete distribution function and Continuous distribution functions					
Course Name	14CSU108 Computer Organization				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	57	57	57	57	57
Target Value	1	1	1	1	1
Attainment Level	0	0	0	0	0
CO Attainment Result	No	No	No	No	No
Remark: The attainment level of all the COs are not achieved the target. This subject is conducted as NPTEL MOOC Course					
Action Plan: The course outcome of the MOOC course can be improved by conducting mock tests to train the students for objective type examination					

Course Name	14ENG103 Soft Skills				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	72	62	57	52	56
Target Value	1	1	1	1	1
Attainment Level	2	1	0	0	0
CO Attainment Result	Yes	Yes	No	No	No

Remark: The attainment level of CO3, CO4 and CO5 are not achieved the target.

Action Plan: The course outcome can be improved by conducting more number of mock Presentations and Group Discussions.

Course Name	14CSU110 Operating Systems				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	53	76	77	66	65
Target Value	1	1	1	1	1
Attainment Level	0	2	2	1	2
CO Attainment Result	No	Yes	Yes	Yes	Yes

Remark: The attainment level of CO1 is not achieved the target.

Action Plan: It can be improved by giving assignments to explore the basic concepts and principles of operating systems

Course Name	14CSU111 Microprocessors and Interfacing				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	65	68	75	58	64
Target Value	1	1	1	1	1
Attainment Level	1	1	2	0	1
CO Attainment Result	Yes	Yes	Yes	No	Yes

Remark: The attainment level of CO4 is not achieved the target.

Action Plan: It can be improved by giving more programming exercises on Assembly language programming

Course Name	14CSU402 Artificial Intelligence				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	57	57	57	57	57
Target Value	1	1	1	1	1
Attainment Level	0	0	0	0	0
CO Attainment Result	No	No	No	No	No

Remark: The attainment level of all the COs are not achieved the target. This subject is conducted as NPTEL MOOC Course

Action Plan: The course outcome of the MOOC course can be improved by conducting mock tests to train the students for objective type examination

Course Name	14CSU113 Principles of Programming Languages				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	65	68	76	59	65
Target Value	1	1	1	1	1
Attainment Level	1	1	2	0	1
CO Attainment Result	Yes	Yes	Yes	No	Yes

Remark: The attainment level of CO4 is not achieved the target.

Action Plan: It can be improved by conducting few practical classes on Exception handling and Logic programming

Course Name	14CSU115 Unix/Windows & Shell Programming				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	71	71	55	63	3
Target Value	1	1	1	1	1
Attainment Level	2	2	0	1	0
CO Attainment Result	Yes	Yes	No	Yes	No

Remark: The attainment level of CO3 and CO5 are not achieved the target.

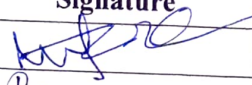


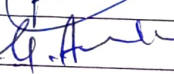

Action Plan: They can be improved by giving more practical exposure on designing and implementing inter process communication using shell scripts

Course Name	14CSU405 Human Computer Interaction				
	CO 1	CO 2	CO 3	CO 4	CO 5
CO Attainment	77	68	56	65	74
Target Value	1	1	1	1	1
Attainment Level	2	1	0	1	2
CO Attainment Result	Yes	Yes	No	Yes	Yes

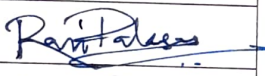
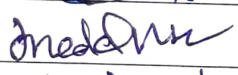
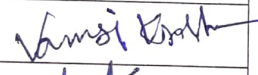
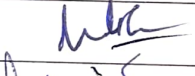
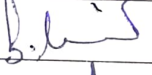


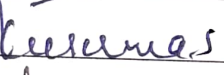

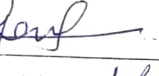
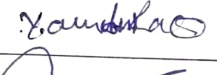

Remark: The attainment level of CO3 is not achieved the target.


Action Plan: It can be improved by giving more activities to students to design user interface screens

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

S. No.	Name	Designation	Signature
1	Dr. Mahaboob Basha Shaik	Professor and Head	
2	Dr. R. Kalpana	Professor, Chairperson	
4	Dr. P. Kuppusamy	Professor	
5	Dr. K. Veningston	Professor	
6	Dr. G. Arun Kumar	Assoc. Professor	

The following stakeholders were present:

S. No.	Name	Designation	Signature
1	Mr. Ravi Palanisamy	Industry Expert	
2	T. Sreenivas Reddy	Academic Expert	
3	Mr. Vamsi Krishna	Alumnus	
4	M. Madhuri	Alumnus	
5	D. Chandramohan	Asso. prof.	
6	Dr. Denis Brabin	Asso. Prof.	
7	Dr. N. Suresh	Asso. prof	
8	S. Keerthana	Asst. prof	
9	P.V. Subramanian	Associate professor	
10	P. Ramu	Parent	
11	Y. Anandharao	Parent	
12	Dr. D.J. Ashpin pabi	Assistant professor	
13			
14			
15			


PAC Chairperson
(Dr. R. Kalpana)