

Geethanjali College of Engineering and Technology

(UGC Autonomous)

(Recognized by AICTE, Permanently Affiliated to JNTUH, Accredited by NAAC with 'A' Grade)
Cheeryal (V), Keesara (M), Medchal (D), Telangana - 501301.

Department of Computer Science and Engineering

Dt:28-12-2021

CIRCULAR

Sub: - PAC meeting of A.Y. 2020-21 II Semester-Reg.


This is to inform all the members of the Program Assessment Committee (PAC) that a review meeting is scheduled on 04-01-2022 at 1:00pm in Seminar Hall, Block 1, II Floor. The following details of A.Y. 2020-21, II-Sem. and 2021-22 I Sem. are to be discussed in the meeting. The proposed activities for 2021-22 II Sem. are also to be presented.

Agenda:

- Result Analysis of 2020-21 II semester for II, III and IV year B.Tech-CSE
- CO Attainments of 2020-21 II Semester courses
- Review of assessment process and targets.

2021-22 I Sem.

- Department Achievements
- Student Activities
- Faculty Activities
- Internships, Mini and Major project analysis
- Training and placements
- Incubation cell and Club activities


28/12/21
Dr. A.Sree Lakshmi
HoD-CSE
Chairman-PAC

Copy to:

1. Principal Office
2. Dean, School of Computer Science and Informatics
3. Dean, Academics
4. Controller of Examinations
5. IQAC Department
6. Department File

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Dt: 28-12-2021

CIRCULAR

Sub: - PAC meeting data-Reg

Program Assessment Committee (PAC) meeting for the A.Y. 2021-22(I Sem.) is proposed to be scheduled on 04-01-2022. The following details of A.Y. 2020-21 II Sem and 2021-22 I Sem are to be submitted to the department on or before 02-01-2022 without fail.

S.No.	Details Required	Faculty Responsible
1	Result Analysis (2020-21, II Sem)	Dr B.V Swathi, Mamatha Chandrakala G Mounica
2	Course Attainments & PO attainments (2020-21, II Sem)	Dr.Krishna Jyothi, CO Assessments team PO Assessments team
3	Department achievements	Prof. Madhu Sudhan Rao Dr.A.Sree Lakshmi
	Feedback on Curriculum: <ul style="list-style-type: none">• Course End Survey• Course Coordinator Inputs• Alumni Survey• Industry• Recruiter Survey	V Shivanarayana Reddy K Vijay Kumar P Aparna Meena Sravanthi
4	Student related activities <ul style="list-style-type: none">i) Guest Lectures/workshops/trainings organizedii) Certification programs conductediii) Professional body eventsiv) Co-curricular and Extra curricular activities participationv) Student internshipsvi) Student achievements	Dr.G. Somasekar, P.Haritha, S.Radha, K Padmaja Uday Sree, P.Lalitha, K Vandana Shiva Prasad
5	Faculty related activities <ul style="list-style-type: none">i) FDPs/workshops organizedii) FDPs/Workshops attendediii) Certifications obtained by facultyiv) Papers published in journals & conferences	Dr.Kamakshiah, Dr.Puja Prasada, N Radhika M Vishwa Shanthi, G. Santhoshi Vaibhavi

P.T. O

20-21(2)

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	<ul style="list-style-type: none"> v) Patents published vi) Projects applied vii) Projects sanctioned viii) Consultancy ix) Staff incentives provided x) Faculty achievements 	Uma Devi
6	Projects: Project coordinator report	Dr. Hari Prasad Reddy Mr.V.Shiva Narayana Rahul Das
7	Placement & Training <ul style="list-style-type: none"> i) Placements and higher education data of 2017-2021 batch ii) Recruiter surveys report iii) Placement related trainings conducted 	Dr.B.V.Swathi, Preethi Prasada, G.Swapna, D Aparna K Srinivas
8	Industry Institute Interaction <ul style="list-style-type: none"> i) Industrial visits ii) Students/ Faculty events with industry resource persons iii) Labs established in association with industry iv) Events conducted by the labs established in association with industry v) Inputs on PO/PSO/curriculum from industry 	Dr K Neeraja Dr Ambedkar Dr Rakesh G Praveen Kumar Shiva Prasad M Alphonsa C Esther Varma
9	Incubation Cell <ul style="list-style-type: none"> i) Activities conducted ii) Student members iii) Projects done by students 	Dr K Neeraja Dr Rakesh Shiva Prasad
10	Club activities <ul style="list-style-type: none"> i) Robotics club ii) Coding club 	Dr. Prof.Appaji Dr Rakesh Praveen Kumar, Vijay Kumar M Keerthi

(Signature)
Dr. A.Sree Lakshmi
28/12/21
HoD-CSE

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

Department Of Computer Science Engineering

Minutes of Meeting of Program Assessment Committee (PAC) held on 04/01/2022

Venue: Seminar Hall, Floor II, Block 1

Duration: 2:00 pm - 3.30 pm

Agenda:

- Result Analysis of 2020-21 II Sem. for II, III and IV B.Tech – CSE
- CO Attainments of 2020-21 II Semester courses
- Review of assessment process and targets.
- **A.Y. 2021-22 I Sem.**
- Department Achievements
- Student Activities
- Faculty Activities
- Internships, Mini and Major project analysis
- Training and placements
- Incubation cell and Club activities
- Feedback on Curriculum

Points Discussed:

At the outset, Dr A Sreelakshmi, Head of the CSE department welcomed all the PAC members to the meeting. An overview of the activities performed by the Programme Assessment Committee was given and members of the PAC were introduced.

1. Head of the department, Dr A Sree Lakshmi made known the **Department Achievements** in the academic year 2021-22 I Semester.
The following points were highlighted:
 - Established MoU with Virtusa, Center of Excellence for Artificial Intelligence Managed Services(AIMS-AIOps) on 1st November 2021.
 - Faculty Achievements

1	Dr. A. Sreelakshmi	Professor	Session chair	2021	International conference on Evolutionary Computing and Mobile Sustainable Network
2	Dr.G.Kalyani	Associate Professor	Best paper Research Award	2021	Sree Nidhi Institute of Science and Technology
3	Dr. Krishna Jyothi	Associate Professor	Best Paper Research Award	2021	Sree Nidhi Institute of Science and Technology
4	Dr. Puja S Prasad	Associate Professor	Convener	2021	ICDSMLA 2021

4. Students' Related Activities of 2021-22 I Semester

- Less number of events was conducted as students were unable to participate due to the pandemic.
- Mentors may take the responsibility of collecting the achievements of their mentees at the end of every month.
- 5 Workshops/Guest Lectures Conducted by the Department during AY 2021-22 I Sem.
- 7 training programs are held during AY 2021-22 I Sem.
- 5 Professional Body (IEEE) Events are conducted during AY 2021-22 I Sem.

• Student Achievements:

S. No	Roll No. of the student	Name of the Student	Name of the Event	Organized by, specify College/University	Date(s) of Participation	Specify Prize(s) won, if any
1	18R11A05 D7	S. Apoorva	Deals and Agreements(N EN-E-WEEK)	Gcet	19-6-2021	Appreciation
2	18R11A05 D0	Anusha Gupta	NEN idea Dimension	Gcet	14-6-2021 to 16-6-2021	Appreciation
3	20R11A05 73	D. Sree Sai Soujanya	Idea Pitch	Gcet	13-8-2021	5th
4	20R11A05 76	G.Phalguni	Idea Pitch	Gcet	13-8-2021	5th
5	19R11A05 L5	G Nandini Laxmi Priya	Idea Pitch	Gcet	13-8-2021	3rd
6	19R11A05 N8	KaustubPathuri	Idea Pitch	Gcet	13-8-2021	3rd
7	19R11A05 50	Aqsa Zareen		VERIZO	28-9-2021	Achievement(Campus Ambassador)

5. Faculty related activities

- It may be observed that the number of faculty events, paper publishing in this semester is comparatively good than last year.
- Faculty are encouraged to participate in more FDPs, workshops, courses(NPTEL, Coursera) and work towards to achieving awards and recognition.
- More papers in journals and conferences must be published. Patents must be applied for.
- The number of projects sanctioned and consultancy is Nil this year also. Professors and senior faculty are requested to try to get their projects sanctioned.
- It has been suggested that incentives for faculty may be increased.
- More number of FDPs may be planned for the II Semester 2021-22.

5	Dr. Puja S Prasad	Associate Professor	Session chair	2021	ICMISC 2021
6	Dr.KamakshaiahKoli	Associate Professor	Reviewer	2021	2nd International Conference on Advances in Computer Engineering and Communication Systems

- Patents published: 5
- Project proposals submitted :4
- 65 students have registered and 10 have been certified by EPAM.
- 108 students have done their internships out of which 48 students received stipend.
- 96 students have participated in Manthan 2021: Hackathon event conducted by the Police department with the theme of " Lets Code for National Security"
- 61 students have participated in Ideathon.
- 22 students have participated in IEEE Ideathon 2021.
- Details of department achievements given in Annexure A.

2. Result Analysis of 2020-21 II Semester:

II Semester results of B.Tech CSE II, III and IV for the Academic year 2020-21 are reviewed.

- Overall pass percentage in II B.Tech II Sem CSE is 70.63%, which has increased by 7.5% compared to the previous semester.

The pass percentage of all courses except Design and Analysis of Algorithms was considerably good.

The overall pass percentage of Design and Analysis of Algorithms is 79.6% with one section having only 60.38%. It has been observed that section D has less percentage in all subject compared to the other sections. It has been suggested that students be made to practice well and remedial classes may be conducted.

- Overall pass percentage in III B.Tech I Sem CSE is 80.88%, which has increased by 7.66% compared to the previous semester. The pass percentage of all courses except Web Technologies are above 80%. The overall pass percentage of WT is 83.19%withC section having only 71.7%.
- Overall pass percentage in IV B.Tech I Sem is 93.56%, which is increased by 15.71%. It is an improvement compared to previous batch of students. The least contribution is by Machine Learning with 92.2%.
- The results have been satisfactory.
- The pass percentages of I-IICSE is comparatively good. PPS-II attained 82.92%.

3. CO Attainments of 2020-21 IISem courses:

- The course attainments of academic year 2020-21 for II Semesters have been reviewed. The courses which could not attain the target of 2.1 were identified and the reasons and action taken have been analyzed.
- Attainment of Mid 1 was higher compared to Mid 2 as it was objective type and conducted online whereas Mid 2 was question answer type and was conducted offline. Students are unable to attempt the questions as they were to the point and needed in depth knowledge of the subject.
- Students must be given more numbers of objective questions which may be included as part of the assignment.
- Lab evaluation must be done regularly and scrupulously.
- CO-PO mapping must be checked by course coordinators before submission of the course files.
- Question paper evaluation must be done thoroughly by the course coordinator, course faculty and group head before submission for external evaluation.

Course Name	Count
Fdp's	58
Coursera	02
Referese course	01

Summary of Faculty Related Activities (From June to December)

Course Name	Count
FDP	02
Skill Development Program	01
Webinar	01

Faculty List
Dr. Lendale Venkateswarlu
C Esther Varma
Mulkalapalli Srinivas
D Venkateswarlu
K. Anusha
G Swapna
Botla Mamatha
Akkala Abhilasha

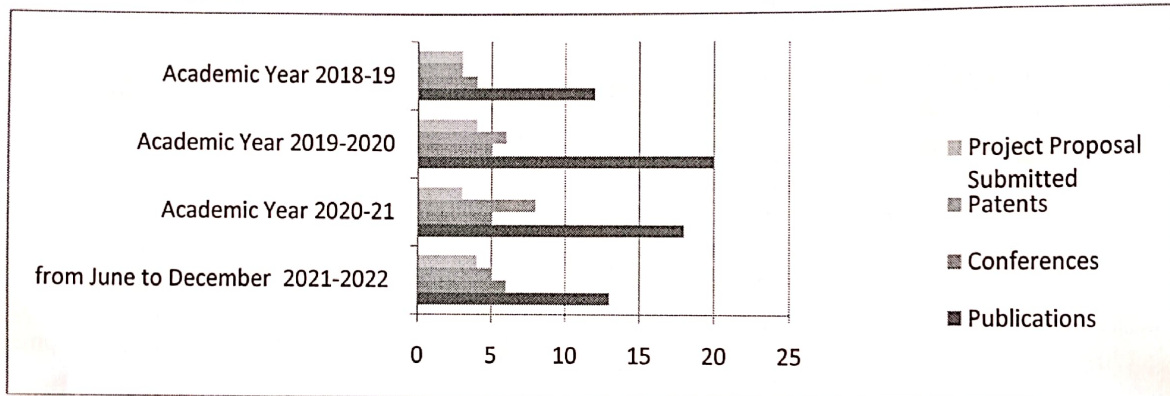
Faculty List
Dr. K. Ambedkar
Dr.K.Neeraja
Shanthi makka
Dr.Gagandeep Arora

Faculty List	Count
Dr A Hariprasad Reddy	9000/-
Dr G kalyani	5500/-
Swathi Tejah Yala	1500/-
K.Anusha	5000/-
K.PADMAJA	750/-
G.SWAPNA	750/-
Akkala Abhilasha	1000/-
E.Mahender	7300/-

S.No	Events	Count
1	FDPs/workshops organized	04
2	FDPs/Workshops attended	61
3	Papers published in journals	13
4	Papers published in Conferences	06
5	Patents published	05
6	Projects applied	04
7	Projects sanctioned	00
8	Consultancy	00
9	Staff incentives provided	31800
10	Faculty achievements	06

Faculty List	Count
Dr. G. Soma Sekhar	
Dr A. Hariprasad Reddy	
Dr Shanthi Makka	
Dr K Krishna lyothi	
Dr G Kalyani	
Dr Kamakshaiiah Kolli	
V.Shiva Narayana reddy	
M.Santhosh Kumar	
C.Vikas	SCI--01
P.Archana	Scopus--05
A.Monika	UGC List--07
M.Vijay Bhaskar reddy	
K.Srinivas	
K.Durga Kalyani	
Audi Reddy Kayithi	
B.Mamatha	

Faculty List	Count
Dr.K.Neeraja	
Dr. Shanthi Makka	
Dr. G. Soma Sekhar	
K. Durga Kalyani	
S.Radha	Scopus--06
K.Durga Kalyani	
B.Mamatha	



6. Project Report

Academic Year: 2021 -2022

Semester: I

Class: IV CSE A/B/C/D/E

Mini projects conducted towards the attainment of the program outcomes to be reviewed.

Total No. of Projects: 85

No. of multidisciplinary projects: 63

No. of projects useful to the society: 85

No. of projects which improve analytical thinking, creativity and innovation:85

No. of projects which will facilitate employability: 85

No. of projects published in Scopus Indexed Journals/Conferences: NIL

- Encourage students to work on projects which are innovative, model based and useful to the society.

- Faculty may support students in publishing their projects in Scopus Indexed Journals/Conferences.

7. Higher Studies and Placement Information

Sr	No. Students Enrolled	CO	No. Students Placed	CO	Average Salary in LPA	Median Salary in LPA	No. Students For Higher Education
2020-2021	242		142		4.4	4.0	68
2021-2022	245		148		4.5	4.0	72
2022-2023	224		159		5.6	3.5	30

- It may be observed that the number of students placed has been increasing and the average salary has also gone up from 4.1 lacs in 2020-21 to 4.4 lacs in 2021-22 in I Semester. The average salary is expected to go higher by the end of II Semester.
- The median salary is 4 lacs which is same as last year.
- The number of students going for higher studies is expected to go up.
- It has been observed that if trainings were started early i.e. in 2-3, students would be much more benefited.
- Conveying information to students properly is also very important.
- List of trainings and companies are listed in Annexure C.

8. Incubation Cell and Club Activities

- Industrial -internship -summer training: There have been no industrial visits owing to the pandemic.
- It has been suggested that incubation cell activities must be increased.
- As proof of incubation activities are maintained at the college level, the same proofs must be maintained at the department level too.
- Course level Project Based Learning must be implemented immediately.
- The department has established an MOU with the Virtusa Campus of Excellence for Artificial Intelligence Managed Services(AIMS-AIOPS) on 18 November 2021 to facilitate students to undergo various training activities.
- Hackathons conducted in 2021-22 I Semester:
 - » Marathon 2021 Hackathon event conducted by the Police department with the theme of "Let's Code for National Security"
 - » Army Hackathon
 - » Aadhaar Hackathon
 - » Ideathon organized by CCTT Idea Pitching
 - » Ideathon 2021 organized by IEEE chapter
- 17 students had internship opportunity with Cognizant.
- 14 incubation activities have been conducted during 2021-22 I Semester.
- The CSE department has entered into an agreement with companies and conducted training for partial delivery of the Courses. The department also organized training programs related to current industry trends and demands and the trainers are outsourced from industry.
- 7 webinars and 1 workshop has been organized during 2021-22 I Semester.

- 1 workshop on Robotics have been conducted for faculty by Robotics Learning and Development center -Smart Bridge.
- Virtusa AIMS Training was given to students by Virtusa Technology Services

9. Coding Club

- Coding event Output Unlockers was conducted on 07/11/2021 in which a set of 30 MCQs are given. Students needed to trace the code and select the desired output. 17 Students were short listed candidates of Output Unlockers and given prizes.
- Action Plan for AY 2021-22 :

Date Of Event	Event Name	Description Of an Event	Department
January'2022	Mish Mash Harmony	A set of programs will be given in a un order fashion. Student needs to rearrange the code which expects the original result	CSE
March '2022	Code Warriors	Students need to crack the code	CSE

10. Feedback on Curriculum:

- Course Coordinator Inputs :

Year	Subject name	Recommendation for course improvement	Recommendations to PAC and BoS
II Year - II Sem	Design and Analysis of Algorithms	Required mathematical knowledge in designing and analyzing algorithms.	
	Computer Organization and Assembly Language Programming	1. Peer learning 2. More student presentations	
	Database Management Systems	More practical experiments are included, spend more time in practicing normal forms	
	Theory of Computation		Pumping lemma topic should be included
III Year - II Sem	Web Technologies	Insisted the students to practice more on servlets, JSP and JDBC	
	Cloud Computing	Conduct the guest lectures on virtualization concepts	
	Machine Learning	NPTEL Videos, implementing machine learning algorithms in mini projects and major projects.	

- **Inputs from External and Internal Faculty:(Suggestions and implementations)**
 - Establish labs for elective courses and design the projects in multi disciplinary areas.
 - Improving the Programming skill set - basically in C language and Python Programming.
 - All core subjects are framed for final years, which are not valid as they cannot give time for preparation- so frame according to respective years.
 - Keep a track of employee skills that are sought after.
 - Projects can be made mandatory for each course in emerging areas.
 - Practical knowledge should be given more priority & more project works to added.
 - The curriculum should include topics relevant to digital era.
 - Should be experimental learning.
 - Based on the needs of the industry, the syllabus need to be framed.

- **Recruiters Survey:**

No of Recruiters given feedback :5

Recruiter Survey Question	No. of recruiters awarded with 1 points	No. of recruiters awarded with 2 points	No. of recruiters awarded with 3 points	No. of recruiters awarded with 4 points	No. of recruiters awarded with 5 points	% of recruiters awarded with 3 to 5 points
a. Obtain solutions to engineering problems, specifically Computer Science Engineering and provide quality services to related engineering industries	0	0	0	4	1	100%
b. Be creative and innovative in producing state of the art technologies related to computer science and its applications in various fields.	0	0	1	4	0	100%
c. Involve in engineering projects that were aimed at improving the quality of life and well-being of the society	0	0	0	3	2	100%
d. Adapt to changes in work environment (for example, to learn new software, operate new equipments, and learn about new systems) and continuously undertake professional development?	0	0	0	4	1	100%

e. Act professionally and ethically while making significant contributions for the benefit of community, region, nation and beyond by leading a team as well as being a team player	0	0	0	4	1	100%
f. Communicate effectively and demonstrate interpersonal skills	0	0	0	5	0	100%

Do the program outcomes meet future employment needs of students and assist them acquire meaningful values and required skills? (Yes)

Recruiter Survey Question	% of recruiters awarded with 3 to 5 points					
a. Obtain solutions to engineering problems, specifically Computer Science Engineering and provide quality services to engineering related industries						100%
b. Be creative and innovative in producing state of the art technologies related to computer science and its applications in various fields.						100%
c. Involve in engineering projects that were aimed at improving the quality of life and well-being of the society						100%
d. Adapt to changes in work environment (for example, to learn new software, operate new equipments, and learn about new systems) and continuously undertake professional development?						100%
e. Act professionally and ethically while making significant contributions for the benefit of community, region, nation and beyond by leading a team as well as being a team player						100%
f. Communicate effectively and demonstrate interpersonal skills						100%

- The recruiter survey analysis of 2021 graduated batch is fairly good
- The number of inputs from recruiters is very less. Faculty may be sent to the recruiters and get the form filled.
- **Graduate Survey**
 - It might be helpful in the career if we get to know more of programming languages than some other non-core.
 - Monthly based projects on core subjects instead of regular assignments.
 - Languages like French and German would help the outgoing students.

- **Alumni Survey**
 - Curriculum was well framed.
 - Subjects including latest technologies are required to be added.
 - More of programming-oriented subjects are required.

Suggestions and Action Points:

1. More number of Global certifications may be given to students.
2. Oracle certification to be finalized for 2021-22.
3. It has been suggested that the report of students placed must reflect the no. of students getting more than 6laks per annum and no. of students with a salary between 3 to 5 lakhs especially those being trained by Smart Interviews.
4. Student related activities must reflect the number of events conducted and number of students participated in each event.
5. All faculty must be aware of CO-PO mappings and complete the process of course assessment scrupulously.
6. Course coordinators are instructed to submit the analysis report regarding the Course Attainments.
7. Encourage students to work on projects which are innovative, model based and useful to the society.
8. Faculty may support students in publishing their projects in Scopus Indexed Journals/Conferences.
9. Faculty to participate in more FDPs, workshops, courses(NPTEL, Coursera), publish more patents, papers in journals and conferences
10. Professors and senior faculty to try to get their projects sanctioned.
11. It has been suggested that incentives for faculty may be increased.
12. More number of FDPs may be planned for the II Semester 2021-22.
13. As part of Coding Club activity, it has been suggested that students who are placed in companies must be invited or prepare a short video to share their experience and inspire the students.

Members Attended:

1. Dr. A. Sree Lakshmi-HOD CSE
2. Prof Madhusudhan-Dean
3. Dr. G. Soma Sekhar
4. Dr K Srinivas
5. Dr. KamakshaihaKolligcet
6. Dr. Swathi Veldanda *Swathi*
7. Dr L Venkateswarlu
8. Dr Krishna Jyothi
9. V VAppaji
10. K Naresh Babu
11. M Srinivas
12. D. Venkateswarlu
13. G Nivedhitha
14. P. Lalitha
15. C Esther Varma
16. D Rakesh Kumar

A. Sree Lakshmi
Dr A. Sree Lakshmi
HOD- CSE

C Esther Varma
Prepared By
C Esther Varma