

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: 25-11-2022

CIRCULAR

Sub: - PAC meeting of A.Y. 2021-22 II Semester and 2022-23 I Semester-Reg.

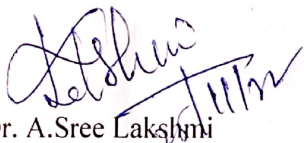
This is to inform all the members of the Program Assessment Committee (PAC) that a review meeting is scheduled on 10-12-2022 at 10:00 am in Seminar Hall, Block 1, II Floor. The following details of A.Y. 2021-22, II-Sem and 2022-23 I Sem are to be discussed in the meeting. The proposed activities for 2022-23 II Semester are also to be presented.

Agenda:

- Result Analysis of 2021-22 II semester for II, III and IV year B.Tech-CSE
- CO Attainments of 2021-22 II Semester courses
- PO Attainments of 2018-21 batch
- Review of assessment process and targets.

2022-23 I Sem (July 2022 -December 2022)

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


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
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Dt: 25-11-2022

CIRCULAR

Sub: - PAC meeting data-Reg

Program Assessment Committee (PAC) meeting for the A.Y. 2021-22(II Sem.) is proposed to be scheduled on 10-12-2022. The following details of A.Y. 2021-22 II Sem and A.Y 2022-23 I sem(July 2022-December 2022) are to be submitted to the department on or before 03-12-2022 without fail.

S.No.	Details Required	Faculty Responsible-
1	Result Analysis (2021-22, II Sem)	Dr B. V Swathi Mamatha B. Neeraja
2	Course Attainments & PO attainments (2021-22, II Sem)	Dr.K.Krishna Jyothi CO Assessments team G.Niveditha SL Anusha Neelima PO Assessments team A.Abhilasha, Neelima
3	Department achievements	Prof. Madhu Sudhan Rao Dr.A.Sree Lakshmi
4	Feedback on Curriculum: i) Course End Survey ii) Course Coordinator Inputs iii) Alumni Survey iv) Industry v) Recruiter Survey	V Shivanarayana Reddy C Esther Varma K Raghu E.Vijaya Meena Sravanthi Krishna Rao
5	Student related activities i) Guest Lectures/workshops/trainings organized ii) Certification programs conducted iii) Professional body events iv) Co-curricular and Extracurricular activities participation v) Student internships vi) Student achievements vii) Value Added Courses	Dr.Hari Prasad P.Haritha S.Radha Dr Somashekar G.Udaya Sree P.Lalitha M.Srinivas
6	Faculty related activities i) FDPs/workshops/Conferences organized ii) FDPs/Workshops/Conferences attended iii) Certifications obtained by faculty iv) Papers published in journals & conferences v) Patents published vi) Projects applied vii) Projects sanctioned viii) Consultancy	Dr.Kamakshiah P.Haritha Umadevi M Vishwa Shanthy G. Santhoshi Sudha Singaraju M.Keerthi

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	ix) Staff incentives provided x) Faculty achievements	
7	Projects: Project coordinator report	Mr.V.Shiva Narayana Reddy Sobha Rani <i>P. Sridharani</i>
8	Placement & Training i) Placements and higher education data of 2018-2022 batch ii) Recruiter surveys report iii) Placement related trainings conducted	Dr.B.V.Swathi, E.Vijaya <i>Ammu</i> Krishna Rao <i>Mr</i> Shailender Kumar <i>Sh</i> S Radha - <i>RS Radha</i> <i>Radha</i>
9	Industry Institute Interaction 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 N Lakshmipathi Anantha <i>Anantha</i> Madhuri Agarwal Gupta G Praveen Kumar C Esther Varma <i>Esther</i>
10	Incubation Cell i) Activities conducted ii) Student members iii) Projects done by students	Dr N Lakshmipathi Anantha <i>Anantha</i> Radha
11	Club activities i) Robotics club ii) Coding club	Dr N Lakshmipathi Anantha <i>Anantha</i> S.Ramanjaneyulu - <i>SR</i> Praveen Kumar M Keerthi <i>Keerthi</i> Mamatha
12	Academic Audit Reports	Dr. G Kalyani <i>G</i> E. Mahender Gopi Naik

A. Sree Lakshmi
Dr. A.Sree Lakshmi
HoD-CSE

GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

S.No	Name of the Staff Member	Designation	Sign	S.No	Name of the Staff Member	Designation	Sign
1	Dr. S. Udaya Kumar	Principal		34	A. Chandrakala	Asst.Prof	
2	Dr. A. Sri Lakshmi	Prof & HOD	<i>[Signature]</i>	35	G. Uma Devi	Asst.Prof	<i>Umedez</i>
3	Dr. N. Ravi Shankar	Prof & COE		36	P. Chandra Sekhar	Asst.Prof	<i>[Signature]</i>
4	Dr. B. V. Swathi	Prof & Dean		37	G. Santhoshi	Asst.Prof	<i>G.santhoshi</i>
5	M. Srinivas	Professor		38	R. V. Sudhakar	Asst.Prof	
6	Dr A.N Lakshmi pathi	Professor		39	D. Savithri Viswa	Asst.Prof	
7	Dr. K. Kamakshaiah	Assoc.Prof	<i>[Signature]</i>	40	B. Swathi	Asst.Prof	
8	Dr. G. Soma Sekhar	Assoc.Prof	<i>[Signature]</i>	41	Ch. Shailender Kumar	Asst.Prof	<i>[Signature]</i>
9	Dr. A. Hari Prasad Reddy	Assoc.Prof		42	K. Raghu	Asst.Prof	
10	Dr. Puja S Prasad	Assoc.Prof	<i>[Signature]</i>	43	K Vaghdevi	Asst.Prof	
11	Dr. G. Kalyani	Assoc.Prof	<i>[Signature]</i>	44	T. Sudha Rani	Asst.Prof	<i>[Signature]</i>
12	Dr. K. Krishna Jyothi	Assoc.Prof	<i>[Signature]</i>	45	P. Sobha Rani	Asst.Prof	
13	Dr Zubair Ali Ansari	Asst.Prof	<i>[Signature]</i>	46	S M P Qubeb	Asst.Prof	
14	C. Esther Varma	Assoc.Prof	<i>[Signature]</i>	47	P. Shambhavi	Asst.Prof	
15	V. Shivanarayana Reddy	Assoc.Prof		48	E. Vijaya	Asst.Prof	
16	G. Lokeshwari	Assoc.Prof		49	Madhuri Agarwal	Asst.Prof	
17	D. Venkateswarlu	Assoc.Prof	<i>[Signature]</i>	50	R. Sukruta	Asst.Prof	
18	M. Srinivas	Assoc.Prof	<i>[Signature]</i>	51	M. Akhila	Asst.Prof	
19	J Sudhakar	Assoc.Prof	<i>[Signature]</i>	52	R. Deepthi	Asst.Prof	
20	S. Ramanjaneyulu	Asst.Prof	<i>[Signature]</i>	53	T. Rakesh Kumar	Asst.Prof	
21	P. Haritha	Asst.Prof	<i>[Signature]</i>	54	M. Shiva Rama Krishna	Asst.Prof	
22	Y. Siva	Asst.Prof		55	S. Gopi Naik	Asst.Prof	
23	G. Niveditha	Asst.Prof	<i>[Signature]</i>	56	P. Lalitha	Asst.Prof	<i>[Signature]</i>
24	K. Srinivas	Asst.Prof		57	Sudha Singaraju	Asst.Prof	
25	B. Mamatha	Asst.Prof	<i>[Signature]</i>	58	B. Neeraja	Asst.Prof	
26	J. Meena Sravanthi	Asst.Prof		59	P. Deeplaxmi	Asst.Prof	
27	E. Mahender	Asst.Prof		60	K Prathima	Asst.Prof	
28	G. Udaya Sri	Asst.Prof	<i>[Signature]</i>	61	A. Abhilasha	Asst.Prof	<i>[Signature]</i>
29	S. L. Anusha	Asst.Prof	<i>[Signature]</i>	62	A Bixapathi	Asst.Prof	
30	G. Praveen Kumr	Asst.Prof		63	P. Krishna Rao	Asst.Prof	<i>[Signature]</i>
31	S. Radha	Asst.Prof	<i>[Signature]</i>	64	A. Shiva Jyothi	Asst.Prof	
32	M. Vishwashanthi	Asst.Prof		65	BH Bhujanga Reddy	Asst.Prof	
33	K. Durga Kalyani	Asst.Prof					
	Dr. K. Ambekar	Assocprof	<i>[Signature]</i>				

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Department Of Computer Science Engineering

Minutes of Meeting of Program Assessment Committee (PAC) held on 14/12/2022

Venue: Seminar Hall, Floor II, Block I

Duration: 1:00 pm - 4.00 pm

Agenda:

- Result Analysis of 2021-22 II semester for II, III and IV year B.Tech-CSE
- CO Attainments of 2021-22 II Semester courses
- PO Attainments of 2018-22 batch
- Review of assessment process and targets.

2022-23 I Sem (July 2022 -December 2022)

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

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 Sreelakshmi made known the **Department Achievements** in the academic year 2022-23 I Semester. The following points were highlighted:

Department Achievements

1. Received MoU with **Virtusa related** to Java.
2. Autonomous status under UGC 2(f) and 12 (b) since 2016, and recently extended till 2027
3. NAAC accreditation with "A+" Grade in September 2022.

20/22/22

	ToC	<p>1) Course Outcomes must be modified according to the syllabus. CO3 is not relevant to the syllabus. Unit 3 and 4 are lengthy.</p> <p>2) As the course is a combination of two courses(FLAT & CD), there are too many topics are to be covered. May consider separating the courses.</p>
	DAA,OS WT	1)No Changes Required – The Syllabus is well organized.
III Year - II Sem	IS	<p>1) Information Security Lab should be included in the Course Curriculum.</p> <p>2) Advanced Information Security tools should be included to the Syllabus.</p> <p>3) Provide Cyber Security related certification courses to the students.</p> <p>3) The practical knowledge of students with regard to cryptographic algorithms/methods, digital signatures, IPsec, SSL protocol analysis, and packet analysis tools has to be improved.</p> <p>5) During Syllabus framework, add the advanced topics related to current trends/tools used in IT industry.</p>
	SE	1) Include a slot for considering CBT marks also in the assessment.
	WT	1) Include a slot for considering CBT marks also in the assessment.
	SCM	1) No Changes Required – The Syllabus is well organized.
IV Year - II Sem	SPT	1) Conduct guest lecture on testing tools, including practical classes will improve the knowledge on testing process

b) Inputs from External and Internal Faculty :(Suggestions and implementations):

- 1) All core subjects are framed for final years, which are not valid as they cannot give time for preparation- so framing according to respective years.
- 2) Mathematics – Classical Topics and Aspects related to Computer Science Perspective have to be added.
 - In Mathematics Cover Aspects like : Linear Algebra, Vector Calculus , Probability
 - In Algorithmic Aspects : Optimization , Statistical Inference , Programming Platforms (R/Python) , Datasets for ML , DeepLearning and GPU FrameWorks.
 - Good effort is being done , Always implementation and Monitoring is needed. – (Atul Negi, Prof, UoH)
- 3) Title of TOC may be changed to Automata theory and Compiler Design – (Dr G. Ramesh Chandra , Prof, VNRVJIET)

- 4) The essential mathematical concepts behind machine learning must be understood. Tagging class labels to data is an essential requirement for machine learning. Students should know in case of missing labels how to generate these labels.
- 5) Allocate some credits to NPTEL courses and include more programming training sessions in the time table
- 6) Improving the Programming skill set - basically in C language and Python Programming.
- 7) Practical knowledge should be given more priority & more project works to added.

e) Inputs from Industry:

- 1) 1. Suggested to include Python Programming – G Naresh Kumar Reddy , Sr Software Testing Engineer ,CAPGEMINI
- 2) It would be better if the courses can focus on more implementation part of the technical aspects rather than limiting themselves to a theoretical foundation.
Mini Projects can be made mandatory during the course delivery to inculcate the application part - P Mohan, Tech Mahindra , Sr Data Scientist
- 3) Include Data Science with Python Programming – Satish Nambulla ,ERP Senior Specialist , NTT Data

d) Recruiters Survey :

No of Recruiters given feedback: 1

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 engineering related 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	2	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 2022 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.

e. 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.

4. Alumni Survey

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

5. Students' Related Activities of 2022-23 I Semester

- Mentors may take the responsibility of collecting the achievements of their mentees at the end of every month.
- 4 Workshops/Guest Lectures Conducted by the Department during AY 2022-23 I Sem.
- CANTILEVER, Smart Interviews training programs are held during AY 2022-23 I Sem.
- Professional Body (IEEE) Events are conducted during AY 2022-23 I Sem.
- Student Achievements: ---Available in Annexure-C

6. 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.
- 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.

SCI-----01
Scopus----08
UGCList-02
WoS-----03

Summary of Faculty Related Activities
(From June2022 to December2022)

S.No	Events	Count
1	FDPs workshops organized	02
2	FDPs Workshops attended	38
3	Papers published in journals	14
4	Papers published in Conferences	01
5	Patents Applied	02
6	Projects applied	00
7	Projects sanctioned	00
8	Consultancy Projects	00
9	Staff incentives provided	95,000/-
10	Faculty achievements	03

Course Name	Count
FDP	01
Conference	01

Course Name	Count
Fdp's	30
Workshops	02
Training Programs	02
Refresher Courses	04

Faculty List
Puja S Prasad,
C Esther varma

Faculty List
Dr.N Lakshmiathi,
Apartha,
P.Prathima

Faculty List
Dr. N. Ravi Shankar, Dr. Puja S Prasad, Dr.K.Krishna Ivothi, Dr K. Kamakshaiah, K. Raghu, Shraban Kumar, M.Ahhila

Available in Annexure-D

7. Project Report

Academic Year: 2021 -2022

Semester: II

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: 84
- No. of multidisciplinary projects: 71
- No. of projects useful to the society: 84
- No. of projects which improve analytical thinking, creativity and innovation:84
- No. of projects which will facilitate employability: 84
- No. of projects published in Scopus Indexed Journals/Conferences: 01
- 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.

Note: Details available in Annexure-E

8. Higher Studies and Placement Information

Academic Year	NO. of Students Graduated	NO. of Students Placed	Average Salary in Lakh Rupees	Median Salary in Lakh Rupees	No of Students for Higher Education
2022-2023	263	139	4.06	4	12
2021-2022	206	223	5.07	5.0	24

- It may be observed that the number of students placed has been increasing and the average salary is 4.1 lakhs in 2022-23.
- The median salary is 4.0 lakh.
- The number of students going for higher studies is normal.
- It has been observed that if trainings were started early i.e., in 2-1, students would be much more benefited.
- Conveying information to students properly is also very important.
- Higher package also to be included from next PAC.

Note: List of Trainings and Companies is listed in Annexure-F.

9. Industry Institute Interaction

a. Events conducted by the labs established in association with industry

S.No	Name of the Event / programme	Speaker details	No Students	of Faculty	Date
1	Startup session conducted by CSE	Mr. K. Sai Kiran, Founder & director space app, India	45	04	30.08.22
2	Visit to Technology Business Incubator	Bits, Participated by CSE, conducted by college incubation	19	33	24.08.22

10. Incubation Cell

S.NO.	EVENT	ORGANIZATION	TARGET AUDIENCE	DATE OF EVENT	NO. OF PARTICIPANTS	NO. OF CSI STUDENTS
1	SMART INDIA HACKATHON 2022	GCET	Open to all	30-04-2022 to 26-08-2022	220	80

* Field visit to Lakshmi Engineering Works, Mallapur, Hyderabad. on 27/7/22. 06 students, HOD CSE Dr. A. Sreelakshmi have visited.

11. Club Activities

a. Coding Club

S.NO.	EVENT	ORGANIZATION	TARGET AUDIENCE	DATE OF EVENT	NO. OF PARTICIPANTS	NO. OF CSE STUDENTS
1	Dinger-The Buzz Round	GCET	Open to all	August 8 th and August 10 th , 2022	54	11
2	Logo Design-Competition	GCET	Open to all	August 25 th , 2022	56	15

b. Robotic Club:

S.No	EVENT NAME	DESCRIPTION	TARGET AUDIENCE	DATE	NO. OF PARTICIPANTS
1	Robotics Learning Path	ARDUINO WORKSHOP	All Robotics Club Students and other registered students	November - 2022 (3 rd and 4 th - NOV-22)	46 CSE:-24 CSE AIML:-05 CSE-CS-07 CSE-DS-02 ECE:-8

c. Cyber Security Club

S.No	Event	Organization	Target Audience	Date	No of participants(over all)	No of participants (other branches)
1	WORKSHOP ON DIGITAL SAFETY	GCET	CSE	25-2-2022 & 26-2-2022	200	-
2.	ETHICAL HACKING AND CYBER SECURITY WORKSHOP	GCET	CSE	21-4-2022 to 23-4-2022	130	29
3.	CYBER CONGRESS 2022	GCET	CSE	21-10-2022 & 22-10-2022	120	30

12. Academic Audit Report:

External Academic and Administrative Audit for the A.Y:2021-22 is scheduled on 17th December, 2022.

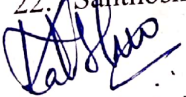
Suggestions and Action Points:

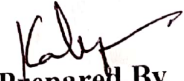
1. More number of Global certifications may be given to students.

2. It has been suggested that the report of students placed must reflect the no. of students getting more than 6lakhs per annum and no. of students with a salary between 3 to 5 lakhs especially those being trained by Smart Interviews.
3. Student related activities must reflect the number of events conducted and number of students participated in each event.
4. All faculties must be aware of CO-PO mappings and complete the process of course assessment scrupulously.
5. Course coordinators are instructed to submit the analysis report regarding the Course Attainments.
6. Encourage students to work on projects which are innovative, model based and useful to the society.
7. Faculty may support students in publishing their projects in Sci/Scopus Indexed Journals/Conferences.
8. Consultancy projects may be given to 2nd year students.
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 2022-23.

Members Attended:

1. Dr. A. Sree Lakshmi-HoD CSE
2. Prof Madhusudhan- Dean
3. Dr. G. Soma Sekhar
4. Dr B V Swathi
5. Dr N Lakshmipathi Anatha
6. Prof. M Srinivas
7. Dr. Kamakshaiah Kolli Gcet
8. Dr. Puja Prasad
9. Dr Ambedkar
10. Dr G Kalyani
11. Dr Krishna Jyothi
12. M Srinivas
13. D.Venkateswarlu
14. P. Lalitha
15. C Esther Varma
16. Mr Shiva Narayana reddy
17. Y .Siva
18. E. Mahender
19. Ramanjaneyulu
20. S L Anusha
21. Uma Devi
22. Santhoshi


Dr A. Sree Lakshmi
HoD- CSE


Prepared By
Dr. G Kalyani