



CTRENZ

2020 - 2021



**E.G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM**

Department of Computer Science & Engineering



EDITORIAL BOARD

CHIEF EDITORS

Chev.S.Parameshvaran
Secretary, E. G. S. Pillay Group Of
Institutions.

Dr.S.Ramabalan
Principal, E. G. S. Pillay Engineering
College.

EDITORS

Dr.M.Chinnadurai
Professor/Head-CSE

Dr.M.Priya
Professor-CSE

Dr.T.Ganesan
Professor-CSE

MEMBERS

Mrs.K.Kalaivani
Asso.Professor-CSE

Mrs.P.Vennila
Asst.professor-CSE

Mr.P.Anandraj
Asst.Professor-CSE

S.Tejas
CSE-Student

M.Sowmiya
CSE-Student

J.R.Kishor
CSE-Student

M.Kathiravan
CSE-Student

S.Vasanth
CSE-Student

S.Subasri
CSE-Student

M.Reshma
CSE-Student

INDEX

- 1. MESSAGE**
- 2. INTRODUCTION**
- 3. STUDENT CORNER**
- 4. FACULTY CORNER**
- 5. GALLERY**

MESSAGE



Chev.S.Pamesvaran

I deem it a great pleasure and privilege to congratulate the faculty members as they bring out their news letter. This news letter represents the newest channel to showing out the talents of our students.

We hope that this news letter will become the ultimate focus for your participation as we seek to strengthen and enhance our collaboration of knowledge.



Dr.S.Ramabalan

My Heartfelt congratulations for this new release of news letter .A milestone achievement indeed! There is no doubt in my mind that it will serve as a beacon to the future generations.I wish you success in all your endeavours.



Dr.M.Chinnadurai

I congratulate the members for releasing their news letter. This news letter is started with view to broadcast the various events for the student intelligence. Individually and collectively, this news letter is a measure of our success and foundation of our future. I wish you all the very best.

Department of Computer Science and Engineering

Vision of the Department

To produce globally competent computer professionals capable of adapting to the everchanging technological trends of Industry and Society

Mission of the Department

- To build the core competence desirable for a computer professional such as design, development, testing and maintenance of software systems to work on real world projects, and meet the expected standards of Industries
- To train the students to acquire higher order skills of emerging technologies to make them preferable for employers
- To provide state-of-the-art learning facilities for effective implementation of learnercentric teaching–learning process to develop professional skills, self-learning and lifelong learning capabilities

State the Program Educational Objectives (PEOs)

The programme Educational Objectives are

- To develop strong knowledge and skills in the domain of Computer Science and Engineering for leading a successful career in industries or entrepreneurial endeavours.
- To prepare and assist the graduates to be successful in higher education and research activities in the theory and application of computing related engineering fields.
- To train the graduates to learn and adapt to the ever-changing world of technology.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

After the successful completion, the graduates will have

PSO 1. The ability to apply software engineering principles and practices to design and develop software systems that meet the automation needs of industrial and societal problems.

PSO 2. The ability to apply their technical skills and knowledge gained in the fields such as Artificial Intelligence, Data Science, Cloud Computing, Social Network Analysis and Mobile Application development.

Graduates will be able to

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.



STUDENT CORNER

SNO	NAME	CLASS	NAME OF THE INSTITUTION	COURSE TITLE	DURATION	PRIZE/ PARTICIPATION
1	MR.SHAFEEQ.S	III	APPIN TECHNOLOGY	WORKSHOP-PYTHON	20.06.2020	PARTICIPATION
2	SNEKA R	III CSE	GREAT LEARNING	INTRODUCTION TO PYTHON	NOV 2020	PARTICIPATION
3	S.SHAFEEQ	III CSE	ETHICAL EDUFABRICA PVT.LTD	ROBOTICS&IOT WORKSHOP	07.03.2020 TO 08.03.2020	PARTICIPATION
4	T.SANJAY BHARATHI	IV CSE	E G SPILLAY ENGG COLLEGE	VALUE ADDED COURSE MATLAB AND ITS APPLICATIONS	19.05.2021 TO 21.05.2021	PARTICIPATION
3	T.SANJAY BHARATHI	IV CSE	GOOGLE DIGITAL UNLOCKED	THE FUNDAMENTALS OF DIGITAL MARKETING	21.05.2021	PARTICIPATION
4	K.MUTHULAKSHMI	IV CSE	E G SPILLAY ENGG COLLEGE	VALUE ADDED COURSE MATLAB AND ITS APPLICATIONS	19.05.2021 TO 21.05.2021	PARTICIPATION
6	SNEKA R	III CSE	GREAT LEARNING	INTRODUCTION TO PYTHON	NOV 2020	PARTICIPATION
7	M.ARCHANA	II CSE	IEEE PEC SBC RIT	THE INDUSTRY ACADEMIC CONSORTIUM	08.09.2020	PARTICIPATION
8	ABINASH	II CSE	DIGISNARE TECHNOLOGIES	WEBINAR	06.05.2021	PARTICIPATION
9	SNEKA R	III CSE	JIS COLLEGE OF ENGINEERING	WORKSHOP PYTHON PROGRAMMING	15.06.2021	PARTICIPATION
10	RAGAVI R	III CSE	JIS COLLEGE OF ENGINEERING	WORKSHOP PYTHON PROGRAMMING	05.06.2021	PARTICIPATION
11	VASANTH S	II CSE	CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	WEBINAR Exploring internet and innovation	06.18.2021	PARTICIPATION
12	VIJAYASARATHY R	III CSE	GOOGLE DIGITAL MARKETING	WORKSHOP problem solving using python	03.23.2021	PARTICIPATION
13	KOWTHAM.PRM	II CSE	UDAMY	python programming	01.24.2021	PARTICIPATION
14	VISHNUPRIYA.S	IV CSE	KPR COLLEGE OF ARTS SCIENCE AND RESEARCH	QUIZ WEBINAR ON PHP AND MYSQL	05.28.2021	PARTICIPATION
15	VISHNUPRIYA.S	IV CSE	KNOWLEDGE SOLUTIONS	WEBINAR ON CIVIL SERVICE AS A CAREER OPTION	03.03.2021	PARTICIPATION

16	SHAFEEQ.S	IV CSE	E.G.S PILLAY ENGINEERING COLLEGE	WEBINAR CORPORATE CONNECT	06.07.2021	PARTICIPATION
17	SHAFEEQ.S	IV CSE	JIS COLLEGE OF ENGINEERING	WORKSHOP PYTHON PROGRAMMING	06.05.2021	PARTICIPATION
18	M. JAI SHREE	III CSE	EGS PILLAY ENGINEERING COLLEGE	WEBINAR CIVIL SERVICE AS CAREER OPTION	06.03.2021	PARTICIPATION
19	RESHMA S	III CSE	EGS PILLAY ENGINEERING COLLEGE	WORKSHOP CIVIL SERVICE AS A CAREER OPTION?	06.05.2021	PARTICIPATION
20	MALARVIZHI.A	III CSE	JIS ENGINEERING COLLEGE	WORKSHOP PYTHON PROGRAMMING	07.12.2021	PARTICIPATION
21	RESHMA S	III CSE	JIS COLLEGE OF ENGINEERING	WORKSHOP CHALO WEBSITE BANAYE	08.02.2021	PARTICIPATION
22	N.VIJAYALAKSHMI	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION

BEST PROJECT

Name of the Students	Project Title	Area of Specialization	Project Supervisor	Contributions/ Achievements/ Research Output
E17CSR090-M. SATHISWARAN E17CSR109-S. SUNDHARAVAL E17CSR120-A. VIGNESH	Secret Sharing Based Reversible Data Hiding In Encrypted Images With Multiple Data Indices.	Network Security	Dr. R.MANIVANNAN	Research output
E17CSR012-R.AMSAVARDHINI E17CSR081-M.RAJESHWARI E17CSR106-A.SUBRAJA	QLITE College Campus Management System QR Virtual Code	Image Processing	Mr. P.ANANDRAJ	Contribution towards Educational Society
E17CSR017-R.BHARATH KUMAR E17CSR025-R.DHAKSHANA SUDHAN E17CSR03-S. HASIM ASLAM	Social Distance Monitoring Using Deep Learning Techniques	Deep learning	Dr.M.PRIYA	Research output
E17CSR066-I.NITHISHKUMAR E17CSR071-M.PRAVINKUMAR E17CSR095-T.SHANMUGARAJAN	Anonymous Counting Problem In Trust Level Warning System For VANET.	Wireless Network	Mrs. K.KALAIVANI	Contribution towards Intelligent transportation system
E17CSR024-R DEVIPRIYA E17CSR042-C.JAYADHARANI E17CSR062-P. MONISHA	Health Care Information On Chat bot Using AI	Artificial Intelligence	Mrs. B.RANJANI	Contribution towards Health care

FACULTY CORNER

S.NO	STAFF NAME & DESIGNATION	PROGRAM DETAILS			NO. OF DAYS
		NAME OF THE INSTITUTION	TITLE	DURATION	
1	Mrs.K.Kalaivani Asso.Prof/CSE	Madanapalle Institute of Technology and Science Andhra pradesh	Design Thinking	01-06-2020 To 05-06-2020	05
	Dr.K.Balasubramanian,Asso.Prof/CSE				
	Dr.Appavu Alias Balamurugan Prof/CSE				
	Dr. S.Senthamarai Kannan Prof/CSE				
	Mr.S.Praveen Kumar AP/CSE				
2	Dr.K.Balasubramanian,Asso.Prof/CSE	ST.Peter's Enginnering College Hyderabad	RUBY and Pearl Programming	03-06-2020 To 08-06-2020	06
	Mr.G.Arulselvan,AP/CSE				
	Mr.M.Marko,AP/CSE				
	Dr.R.Manivannan,Asso.prof/CSE				
3	Dr.M.Chinnadurai, Prof/CSE	R.C Patel Polytechnic Shirpur	PHP & MYSQL	08-06-2020 To 13-06-2020	05
	Dr.Appavu Alias Balamurugan Prof/CSE				
	Dr.S.Kannan Prof/CSE				
	Dr.T.Ganesan, Prof/CSE				
	Dr.N.Murali Asso.prof/CSE				
	Dr.R.Manivannan,Asso.prof/CSE				
	Dr.Sudhir senai, Asso.Prof/CSE				
	Mrs.K.Kalaivani Asso.Prof/CSE				
	Dr.K.Balasubramanian,Asso.Prof/CSE				
	Mr.P.Anandraj,Asso.prof/CSE				
	Mr.G.Arulselvan,AP/CSE				
	Mr.A.Baskar,AP/CSE				
	Mr.M.Marko,AP/CSE				
Mr.S.Praveenkumar,AP/CSE					
Dr.E.Elakiya AP/CSE					
Mr.J.Noorul Ameen,AP/CSE					

4	Dr. S.Senthamarai Kannan Prof/CSE	Sandip institute Engineering and Management Nashik.	Future Advancements and Applications of Internet of Things	12-06- 2020 To 17-06- 2020	05
	Dr.M.Priya Prof/CSE				
	Mr.P.Anandraj AP/CSE				
	Mr.S.Palani Murugan AP/CSE				
	Mrs.P.Vennila AP/CSE				
	Mr.A.Rajesh AP/CSE				
	Mrs.B.Ranjani AP/CSE				
	Mrs.M.Priyadharshini AP/CSE				
	Mrs.M.Viji AP/CSE				
	Ms.G.Bakya AP/CSE				
	Ms.P.Swathi AP/CSE				
	Ms.P.Subashri AP/CSE				
5	Dr.K.Balasubramanian,Asso. Prof/CSE	REST society for Research International	Research Paper Writing	28-06- 2020 To 02-06- 2020	
	Mr.S.Praveen Kumar AP/CSE				
6	Dr.M.Chinnadurai, Prof/CSE	Syed Ammal Engineering College Ramanathapuram.	Future of Education and Research (SAEC CSI Chapter)	29-06- 2020 To 05-07- 2020	07
	Dr.Appavu Alias Balamurugan Prof/CSE				
	Dr.S.Kannan Prof/CSE				
	Dr.T.Ganesan, Prof/CSE				
	Dr.N.Murali Asso.prof/CSE				
	Dr.R.Manivannan,Asso.prof/ CSE				
	Dr.Sudhir senai, Asso.Prof/CSE				
	Mrs.K.Kalaivani Asso.Prof/CSE				
	Mr.P.Anandraj,Asso.prof/CSE				
	Mr.G.Arulselvan,AP/CSE				
	Mr.A.Baskar,AP/CSE				
	Mr.M.Marko,AP/CSE				

7	Mrs.K.Kalaivani Asso.Prof/CSE Mr.G.Arulselvan,AP/CSE Mr.A.Baskar,AP/CSE Mr.M.Marko,AP/CSE Mr.S.Praveenkumar,AP/CSE Dr.E.Elakiya AP/CSE Mr.J.Noorul Ameen,AP/CSE	Sri Ramakrishna Institute Of Technology Coimbatore.	Recent Challenges in Industrial Automation & Embedded Systems.	06-07- 2020	05				
	Mr.M.Rajkumar,AP/CSE			To					
	Mr.P.Thamaraikannan AP/CSE			11-07- 2020					
	Mrs.K.Pradeepa								
	Ms.D.Priya								
	Dr. S.Senthamarai Kannan Prof/CSE								
	Dr.M.Priya Prof/CSE								
	Mr.P.Anandraj AP/CSE								
	8			Mrs.K.Kalaivani Asso.Prof/CSE		St.Joseph College of Engineering Chennai.	FDP on Cyber security and its practices	20-06- 2020	02
				Mr.S.Praveenkumar,AP/CSE				To 21-06- 2020	
9	Dr. S.Senthamarai Kannan Prof/CSE	G Pulla Reddy Engineering College Andhra Pradesh.	MATLAB and its application in Engineering using Machine Learning and Deep Learning	13-07- 2020	05				
	Dr.M.Priya Prof/CSE			To					
	Mrs.K.Kalaivani AP/CSE			17-07- 2020					
	Mr.P.Anandraj AP/CSE								
	Mr.S.Palani Murugan AP/CSE								
	Mrs.P.Vennila AP/CSE								
	Mr.A.Rajesh AP/CSE								
	Mrs.B.Ranjani AP/CSE								
	Mrs.M.Priyadharshini AP/CSE								
	Mrs.M.Viji AP/CSE								
Ms.G.Bakya AP/CSE									
Ms.P.Swathi AP/CSE									
Ms.P.Subashri AP/CSE									

10	Mr.S.Praveenkumar,AP/CSE	St.Joseph College of Engineering	FDP on Fixed points theory and its Applications	08-09-2020	02
	Mr.M.Rajkumaran,AP/CSE			To	
	Mr.P.Thamaraikannan AP/CSE			09-09-2020	
	Mrs.K.Pradeepa				
	Ms.D.Priya				
11	Mrs.K.Kalaivani Asso.Prof/CSE	NRI Institute of Technology Andhra Pradesh	STP on Predictive Analytics using Artificial Intelligence	14-12-2020	05
	Mr.A.Rajesh AP/CSE			To	
	Mr.S.Palani Murugan AP/CSE			19-12-2020	
	Mr.S.Praveenkumar,AP/CSE				
12	Mrs.K.Kalaivani Asso.Prof/CSE	Coimbatore Institute of Technology-Coimbatore	Artificial Intelligence for smart detection of cyber security	22-03-2021	02
				To	
13	Dr.M.Priya Prof/CSE	JIS College Of Engineering	Advancement of Intelligent system and computation	20-04-2021	05
				To	
14	Dr.M.Priya Prof/CSE	E.G.S Pillay Engineering College	MATLAB and its Applications	19-05-2021	03
	Mr.P.Anandraj,Asso.prof/CSE				
	Mr.G.Arulselvan,AP/CSE				
	Mr.A.Baskar,AP/CSE				
	Mr.M.Marko,AP/CSE				
	Mr.S.Praveenkumar,AP/CSE				
15	Dr.M.Priya Prof/CSE	JIS College Of Engineering	Spatio Temporal fusing using Deep Networks	22-05-21	01

INTERNATIONAL
JOURNALS
2020-2021

S.No	Academic Year	Authors Name	Paper Title	Journal Name	Volume Number, Issue No and Page No	Online Link
1	2020-2021	Dr. M.Chinnadurai	Evaluation of Students' Performance in Educational Sciences and Prediction of Future Development using Tensor Flow	International Journal of Engineering Education	Vol. 36, No. 6, pp. 1–8, 2020, 0949-149X/91, TEMPUS Publications	https://www.ijee.ie/1atestissues/Vol36-6/07_ijee3988.pdf
2		Dr. M.Chinnadurai	A Competent Ad-hoc Sensor Routing Protocol for Energy Efficiency in Mobile Wireless Sensor Networks	<u>Wireless Personal Communications</u> , Springer	116, pages829–844 (2021) https://doi.org/10.1007/s11277-020-07741-0	https://link.springer.com/article/10.1007/s11277-020-07741-0
3		Dr. M.Chinnadurai	Effective Energy Adaptive and Consumption in Wireless Sensor Network Using Distributed Source Coding and Sampling Techniques	<u>Wireless Personal Communications</u> , Springer	118, pages1393–1404 (2021)	https://doi.org/10.1007/s11277-021-08081-3
4		Dr. M.Chinnadurai	<u>An Identity-Based Secure and Optimal Authentication Scheme for the Cloud Computing Environment</u>	Computers, Materials & Continua	<u>Vol.69, No.1, 2021</u> , pp.1057-1072,	https://www.techscience.com/cmcc/v69n1/42730
5		Dr.R.Manivannan Dr.M.Chinnadurai	Analysis of Energy efficient and network traffic delay in wireless networks using channel aware routing.	WILEY-Emerging Telecommunication Technologies	<u>Vol.31, Issue12, August 2020</u> DOI: https://doi.org/10.1002/ett.4089	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4089





EGS PILLAY

ENGINEERING COLLEGE (AUTONOMOUS)

(Accredited by NAAC with 'A' Grade)
(NBA Accredited Programmes B.E - CSE,EEE,MECH,IT,CIVIL&ECE)
Nagapattinam - 611002