CTRENZ

2019 - 2020

E.G.S.PILLAY ENGINEERING COLLEGE
NAGAPATTINAM

Department of Computer Science & Engineering

INDEX

MESSAGE

Chev.S.Paramesvaran

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 partcipation 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 lifelonglearning 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	N.VIJAYALAKSHMI	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
2	N.VIJAYALAKSHMI	III CSE A	LIVE WIRE	BEST PRESENTER	14.08.2019	WINNER
3	K.PRINCE SUJA	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
4	V.MAHESHWARI	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
5	R.NANTHINI BHARATHI	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
6	V.KAYATHRI	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
7	A.SUBRAJA	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
8	R.HEMA	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
9	R.DIVYA BHARATHI	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN JAVA	14.08.2019	PARTICIPATION
10	S.AYYAPANA	III CSE A	LIVE WIRE	BEST TROUBLESHOOTER IN PYTHON	14.08.2019	PARTICIPATION
11	S.AYYAPANA	III CSE A	LIVE WIRE	BEST PRESENTER	14.08.2019	WINNER
12	S.AYYAPANA	II CSE B	PONDICHERRY ENGINEERING COLLEGE	FUSION ROBOTICS	30.08.2019-31.08.2019	PARTICIPATION
13	V.SIVASURYA	IV	E.G.S.PILLAY ENGINEERING COLLEGE	ENTREPRENEURSHIP AWARNESS CAMP	19.09.2019-21.09.2019	PARTICIPATION

14	D.ARUNESH	II CSE B	E.G.S.PILLAY ENGINEERING COLLEGE	ENTREPRENEURSHIP AWARNESS CAMP	19.09.2019-21.09.2019	PARTICIPATION
15	K.VELAYUTHAM	II CSE B	E.G.S.PILLAY ENGINEERING COLLEGE	ENTREPRENEURSHIP AWARNESS CAMP	19.09.2019-21.09.2019	PARTICIPATION
16	D.MANIMARAN	II CSE B	E.G.S.PILLAY ENGINEERING COLLEGE	ENTREPRENEURSHIP AWARNESS CAMP	19.09.2019-21.09.2019	PARTICIPATION
17	M.MANIKANDAN	II CSE B	E.G.S.PILLAY ENGINEERING COLLEGE	ENTREPRENEURSHIP AWARNESS CAMP	19.09.2019-21.09.2019	PARTICIPATION
18	S.NAVEEN	II CSE A	WICKYTECHY	WORLD BIGGEST INTERNATIONAL HANDS ON IOT&ETHICAL HACKING	22.09.2019	PARTICIPATION
19	S.AYYAPANA	II CSE A	UCE THIRUKKUVALAI	TREASURE HUNT	25.09.2019	SECOND PRIZE
20	R.SNEKA	II CSE A	E.G.S.PILLAY ENGINEERING COLLEGE	IDEA PRESENTATION	12.10.2019-15.10.2019	SECOND PRIZE
21	S.NAVEEN	II CSE A	M.A.M COLLEGE OF ENGINEERING	SYMPOSIUM	2019	PARTICIPATION
22	K.VELAYUTHAM	II CSE B	M.A.M COLLEGE OF ENGINEERING	SYMPOSIUM	2019	PARTICIPATION
23	D.ARUNESH	II CSE B	SASTRA UNIVERITY THANJAVUR	E-CELL LEADER WORKSHOP	06.01.2020-07.01.2020	PARTICIPATION

BEST
PROJECT

Name of the Students	Project Title	Area of Specialization	Project Supervisor	Contributions/ Achievements/ Research Output
820816104084-G.Roshini 820816104091-V.Sathana 820816104099-S.Suba	A Simulation System for Vehicle Safety Operating Speed on the Traffic Control	IOT	Dr. N.Murali	Contribution towards society to limit the speed of vehicles
820816104103-S.Subasri 820816104105-A.Suganthi 820816104122-P.Vijayasri	Deep Learning Framework for Smart Street Cleaning	Deep Learning	Dr.M.Chinnadurai	Contribution towards society for maintaining clean Environment
820816104060-R.Nithyapriya 820816104076-M.Rajasundari 820816104077-R.Rajeswari	Smart Ambulance Approach Alarm system using Smartphone	IOT	Ms. B.V.Ranjani	Contribution towards society for Health care
820816104029-G.Hemalatha 820816104043-M.Kowsaki 820816104054-M.Monika	Graphical Password Authentication using Zero Knowledge Protocol	Image Processing	Mr.J.Noorul Ameen	Research output
820816104003-K.Abinaya 820816104012-M.Aswini 820816104055-R.Nandhini	Interfacing TCS3200 Color Sensor with Arduino Color Sorting machine	IOT	Mr.G.Arulselvan	Contribution towards blind peoples to differentiate colors

FACULTY CORNER

S.NO	STAFF NAME & DESIGNATION	PROGRAM DETAILS			NO. OF DAYS
		NAME OF THE INSTITUTION	TITLE	DURATION	
1.	Mrs.B.Ranjani AP/CSE	NPTEL-AICTE	Machine Learning	Jul 2019 To Sep 2019	03 Months
2.	Mr.J.Noorul Ameen AP/CSE	NPTEL-AICTE	Cloud Computing	Aug 2019 To Oct 2019	03 Months
3.	Mrs.K.Kalaivani Asso.Prof/CSE Mrs.B.Ranjani AP/CSE	NIT- Pondicherry	FDP on Block Chain	27-12-2019 To 31-12-2019	05
4.	Dr.M.Chinnadurai, Prof/CSE Dr.Appavu Alias Balamurugan Prof/CSE Mr.K.Balasubramanian 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	REST society for research International	Online Research Methodology Workshop	14-04-2020 To 18-04-2020	03
5.	Dr.S.Kannan Prof/CSE Dr.N.Murali Asso.prof/CSE Mr.Sudhir shenai, Asso.Prof/CSE	NITTTR-Chandigarh	FDP on Cloud, Fog and Edge Computing	14-04-2020 To 18-04-2020	05
6.	Mrs.K.Kalaivani Asso.Prof/CSE	MSME - Technology Development Centre (PPDC) Meerut.	FDP on Data Science	20-04-2020 To 24-04-2020	05

7.	Mr.K.Balasubramanian Asso.Prof/CSE	AE Consultancy and SSM Trust	FDP on scientific research Article writing & Publishing	21-04-2020	01
8.	Dr.R.Manivannan,Asso.prof/CSE	Adhiparasakthi Enginnering college	Python Programming	22-04-2020	01
9.	Dr.T.Ganesan Prof/CSE	Colombo plan Staff college-Srilanka	ICT applications in teaching and Learning	22-04-2020	01
10.	Mr.K.Balasubramanian Asso.Prof/CSE	Colombo plan Staff college-Srilanka	Teachers to Educational Leaders	23-04-2020	01
11.	Dr.T.Ganesan Prof/CSE	Cambridge Assessment English	Advanced ideas for teaching and Learning online	24-04-2020	01
12.	Mr.K.Balasubramanian Asso.Prof/CSE	Jaeronline.com	Design of Experiments: An Engineering Perspective.	25-04-2020 To 27-04-2020	03
13.	Dr.M.Chinnadurai, Prof/CSE Dr.Appavu Alias Balamurugan Prof/CSE Mr.S.Praveenkumar,AP/CSE	NITTTR-Chandigarh	FDP on Linux Applications in Engineering Education	27-04-2020 To 01-05-2020	05
14.	Dr.T.Ganesan Prof/CSE	AWS	Getting started with AWS Machine Learning	30-04-2020	01
15.	Dr.R.Manivannan,Asso.prof/CSE	IEEE-ASCET	Challenges in Research: Publication & ethics	03-05-2020	01
16.	Mrs.K.Kalaivani Asso.Prof/CSE Mr.M.Marko,AP/CSE Dr.M.Chinnadurai, Prof/CSE	Rohini College of Engineering and Technology Kanyakumari	Way to Research in 5G communication and Beyond	04-05-2020 To 06-05-2020	03
17.	Mr.K.Balasubramanian Asso.Prof/CSE	Chennai Institute of Technology	Challenges in integrating Nano sensors to IOT platform.	04-05-2020	01
18.	Mr.G.Arulselvan,AP/CSE	Thomas Elizabeth college for women	LATEX	04-05-2020	01
19.	Dr.T.Ganesan Prof/CSE Dr.R.Manivannan,Asso.prof/CSE	Mothilal Institute of Technology AICTE-ATAL	FDP on Artificial Intelligence	04-05-2020 To 08-05-2020	05
20.	Dr.T.Ganesan Prof/CSE Mrs.K.Kalaivani Asso.Prof/CSE	Sathyabama University Chennai	Machine Learning for beginners	09-05-2020	01

21.	Mrs.B.Ranjani AP/CSE	Punjab Engineering college	Block chain	11-05-2020 To 15-05-2020	05
22.	Mr.K.Balasubramanian Asso.Prof/CSE Mr.A.Baskar,AP/CSE Mr.M.Marko,AP/CSE Mr.S.Praveenkumar,AP/CSE Mr.P.Thamaraikannan AP/CSE Mrs.K.Pradeepa AP/CSE Ms.D.Priya AP/CSE	Kristu jayanti College	Role of Teachers in quality enhancement and Accreditation	11-05-2020 To 18-05-2020	08 08
23.	Mrs.K.Kalaivani Asso.Prof/CSE Dr.T.Ganesan, Prof/CSE	Bharath Institute of Science and Technology	Evolution of Teaching Learning Process-Post Covid 19	11-05-2020 To 15-05-2020	05
24.	Mr.S.Praveen Kumar AP/CSE Mr.M.Markco AP/CSE Mr.Sudhir shenai, Asso.Prof/CSE	Velammal Engineering college Chennai	Webinar on Arts of Writing scientific Reports	14-05-2020 To 15-05-2020	02
25.	Mr.K.Balasubramanian Asso.Prof/CSE	Vigna Bharathi Institute of Technology-Hyderabad	Online FDP on Cyber security	14-05-2020	01
26.	Mrs.K.Kalaivani AP/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.V.S.Swarnalekha AP/CSE	AVC College of Engineering	Research and Domain insight of Internet of Things	14-05-2020	01
27.	Mr.J.Noorul Ameen AP/CSE	PACE Institute of Technology & Sciences	Faculty Awareness program on NBA	17-05-2020	01
28.	Dr.R.Manivannan,Asso.prof/CSE			18-05-2020	

INTERNATIONAL JOURNALS

S.NO	STAFF NAME & DESIGNATION	TITLE OF THE PAPER	PUBLICATION DETAILS		Paper link
			JOURNAL NAME	Issue and Page No	
1	Dr.T.Ganesan professor/CSE	Detecting and avoiding the stress level by user through social networks (DCNN classifier)	AEGAEUM journal	Volume 8 Issue 3 2020 Pg no: 851-857	http://www.aegaeum.com/gallery/agm.j-2520.92-f.pdf
2	Dr.S.Kannan	An enhanced design and random optimization for oversampling modulator	SPRINGER	May 2020	https://link.springer.com/article/10.1007/s12652-020-02106-8
3	Dr.M.Chinnadurai	Analysis of Energy efficient and network traffic delay in wireless networks using channel aware routing.	WILEY	June 2020	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4089
4	Dr.R.Manivannan	Analysis of Energy efficient and network traffic delay in wireless networks using channel aware routing.	WILEY	June 2020	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4089
5	Dr.N.Murali	A survey on Tensor based outlier detection methodologies in internet of things.	High technology Letters	Volume 26, Issue 9 2020 pg no:554-564	http://www.gjstx-e.cn/gallery/45-sep2020.pdf

6	Mrs.K.Kalaivani Dr.M.Chinnadurai Mr.P.Thamarikannan	Retinal Ophthalmology disease predictions using convolutional neural network in ocular fundus images	AEGAEUM journal	Volume 8 Issue 3 2020 Pg no:456-463	http://aegaeum.com/gallery/agm.j-2580.12-f.pdf
7	Mr.A.Baskar	An efficient approach to data preserving and privacy maintenance for trust aware recommendation in social networks using algorithms.	AEGAEUM journal	Volume 8 Issue 4 2020 Pg no:107-114	http://aegaeum.com/gallery/agm.j-2465.48-f.pdf
8	Mr.K.Balasubramanian Dr.S.Kannan	Parametric strategies for anomaly identification in total traffic	AEGAEUM journal	Volume 8 Issue 4 2020 Pg no:703-714	http://aegaeum.com/gallery/agm.j-2641.73-f.pdf
9	Mr.K.Balasubramanian Dr.S.Kannan	Recognition And Investigation Of Listening In Anonymous Communication Systems	AEGAEUM journal	Volume 8 Issue 4 2020 Pg no:703-714	http://aegaeum.com/gallery/agm.j-2642.74-f.pdf
10	Mr.S.Praveen Kumar	Scheduled the permanence and best possible highest throughput of WPCN with multi packet reception capacity	High technology Letters	Volume 26, Issue 9 2020 pg no:601-608	http://gjstx-e.cn/gallery/49-sep2020.pdf
11	Mr.M.Markco	Authentication and key management with session based Automated key updation	High technology Letters	Volume 26, Issue 9 2020 pg no:565-571	http://gjstx-e.cn/gallery/46-sep2020.pdf
12	Dr.R.Manivannan Mr.K.Balasubramanian Mr.M.Markco	Component-Based Framework For Exchanging Information In Blockchain Using Sepse	High technology Letters	Volume 26, Issue 9 2020 pg no:596-600	http://gjstx-e.cn/gallery/48-sep2020.pdf
13	Dr.S.Ambika Mr.M.Rajkumar	A novel RSA algorithm for secured key transmission in a centralized cloud environment	International Journal of communication systems	Volume 3 Issue 5 pp.4280-4291	https://onlinelibrary.wiley.com/doi/epdf/10.1002/dac.4280

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