

GPREC News Letter
(January - June, 2025)
DEPARTMENT OF ECS
(Emerging Technologies in Computer Science)

1. Events conducted/ organized:

- Smt. Dr. S. Shabana Begum, Assistant Professor and of ECS department, G. PullaReddy Engineering College (Autonomous): Kurnool also convener of the FDP has organized A Five-Day National Level Online Faculty Development Programme on “EMERGING TRENDS IN IT-2025” scheduled from 03rd - 07th February, 2025.

2. Workshops /Conferences /seminars attended by faculty:

S.No	Names of Faculty	Workshop/Conference /Seminar attended	Held at	Period from - to
1	Smt.O.Roopa Devi	Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS 2025)	Department of Humanities and Basic Sciences ,of GPREC	10 th -11 th January 2025.
2	Smt.B.Varalakshmi	IP Awareness/Training Program	Organized by Intellectual Property Office	3rd January, 2025
		Think create engineer	PALS at IIT Madras campus	27 th to 29 th January
3	Smt. T. Chandana	Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS 2025)	Department of Humanities and Basic Sciences ,of GPREC	10 th -11 th January 2025.
4	Dr.S.Shabana Begum	Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS 2025)	Department of Humanities and Basic Sciences ,of GPREC	10 th -11 th January 2025.
5	Sri. Y Shiva Kumar	Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS 2025)	Department of Humanities and Basic Sciences ,of GPREC	10 th -11 th January 2025.

3. Papers Presented/Achievements:

Publications in International Journals

S.No	Authors	Paper Title	Published in / Issue No / Vol.No/ Year/Month/ Pages
1	Dr.K.Govardhan Reddy	Real Time Object Identification A Study on COCO Dataset	November-2024.
2	Dr.Y.Ram Mohan	Deep Convolutional Neural Network based Solution for Detection of COVID-19 from Chest X-Ray Images	November-2024.
3	Sri. K. Srikanth	A Deep Learning Approach to Alzheimer’s Diagnosis: A Highlighting the potential impact	ISSN NO-2676-7104 Vol-13, Issue- 3
4	Smt. O. Roopa	An Automatic Identification of Brain Tumors in MRI Using Transfer Learning Approach	

		enhancing facial Transformation Capabilities: Synthetic Child Facial Data Generation and Validation	November-2024.
5	Smt. Dr. S. Shabana Begum	Optimized Self-Guided Quantum Generative Adversarial Network Based Scheduling Framework for Efficient Resource Utilization in cloud computing to Enhance Performance and Reliability	ISSN 2161-3915 P.NO1-13 Indexing Science Citation Index Expanded (ISCE)

4. Conferences Attended:

Publications in National/International Conferences

S.No	Authors	Conference Name	Date
1	Dr.K.Govardhan Reddy	International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD 2024)	November 22nd-23 rd 2024.
2	Dr. Y.Ram Mohan	International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD 2024)	November 22nd-23 rd 2024.
3	Dr.M. A.Nayeemuddin	Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS 2025)	January 10 th and 11 th 2025
4	Sri. K. Srikanth	Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS 2025)	January 10 th and 11 th 2025
5	Sri. S.Vinay Kumar	Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS 2025)	January 10 th and 11 th 2025
6	Smt. O. Roopa Devi	International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD 2024)	November 22nd-23 rd 2024.
7	Smt. G.Alekhyia	International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD 2024)	November 22nd-23 rd 2024.
8	Smt. B. Varalakshmi	International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD 2024)	November 22nd-23 rd 2024.
9	Dr.S.Shabana Begum	International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD 2024)	November 22nd-23 rd 2024.
10	B. Kiranmayee Assistant	International Conference on Advanced Materials, Manufacturing and Sustainable Development (ICAMMSD 2024)	November 22nd-23 rd 2024.
11	Sri. M. Sreedhar	Intelligent Resources Allocation for Edge-IOT: Enhancing QoE with Deep Reinforcement Learning	January 20 th to 22nd 2024.

5. FDP's Attended by the Faculty:

S.No	Name Of Faculty	Title Of FDP	No of Days	Organized By
1	Dr. R. Praveen Sam	EMERGING TRENDS IN IT-2025	5 Days	GPREC, Kurnool
		NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
2	Dr. K. Govardhan Reddy	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
3	Dr. G. Raghu Ram	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
4	Dr. Y. Rama Mohan	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
5	Sri. K. Srikanth	Generative and Ethical AI: Techniques and Applications with hands-on	7 Days	NIT, Thiruchirapalli
		NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
6	Dr. Abid Nayeemuddin M	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
7	P.N.V.S.Pavan Kumar	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
8	Smt. K. Asha Rani	ICT Tools for Smart Educators	5 Days	NITTTR, Chandigarh
		NEP 2020 Orientation & Sensitization Programme		Regional Institute Of Education, Mysore

		Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	(Programme Id - Mmc-041-2025-Jan-B-03226)
9	Sri. S. Vinay Kumar	Demystifying AI and Data Science	2 Days	organized by PALS and Meritus.AI
10	Smt. O. Roopa	ICT Tools for Smart Educators	5 Days	NITTTR, Chandigarh
		NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
11	Smt. O.Sirisha	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
12	Smt. S.Sashikala	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
13	Smt. Sri. G. Alekhya	Demystifying AI and Data Science	2 Days	organized by PALS and Meritus.AI
		NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
14	Smt. B. Varalakshmi	Demystifying AI and Data Science	2 Days	organized by PALS and Meritus.AI
		AI-A Practical Approach for Teaching and Learning	5 Days	Ministry of Electronics and Information Technology (MeitY), Government of India at Rayalaseema University, Kurnool
		NEP 2020 Orientation & Sensitization Programme	5 Days	UGC- Malaviya Mission Teacher Training Centre, DDU Gorakhpur University, Gorakhpur from 22-05-2025 to 30-05-2025
15	Smt. T. Chandana	Interactive Computing with Augmented and Virtual Reality: Fundamentals and Applications	5 Days	Hub E & ICT Academy NIT Warangal, Spoke E & ICT Academy, IIITDM Kurnool in coordination with G. Pulla Reddy Engineering College, Kurnool from 2 nd June to 6 th June, 2025
		NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission	5 Days	Regional Institute Of Education, Mysore

16	Dr.S.Shabana	Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)		(Programme Id - Mmc-041-2025-Jan-B-03226)
		Interactive Computing with Augmented and Virtual Reality: Fundamentals and Applications.	5 Days	Hub E & ICT Academy NIT Warangal, Spoke E & ICT Academy, IIITDM Kurnool in coordination with G. Pulla Reddy Engineering College, Kurnool from 2 nd June to 6 th June, 2025
17	Ms. V.Jemima Jyothi	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
18	Sri. Syed Mohammed Nadeem	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
		Exploring Emerging Research Trends in Computing Technologies: AI,ML and IoT (E2RTCT-2K5)	5 Days	MCKV Institute of Engineering ,Kolkata, West Bengal & Industrial Institute of Ho Chi Minh City, Vietnam from 2 nd June to 6 th June, 2025
19	Smt. M. Manasa	ICT Tools for Smart Educators	5 Days	NITTTR, Chandigarh
		NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
20	Smt. B. Kiranmayee	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
21	Smt. D. Sai Brunda	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
22	Sri. Y Shiva Kumar	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
23	Sri. M. Sreedhar	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission	5 Days	Regional Institute Of Education, Mysore

		Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)		(Programme Id - Mmc-041-2025-Jan-B-03226)
		Revolutionizing Education with Generative AI : Teaching and Learning and Strategies	5 Days	10 th -15 th ,March, 2025
		Generative AI and Prompt Engineering	5 Days	May, 2025.
		Quantum Neuromorphic Computing for Sustainable Generative AI	5 Days	Madanapalle Institute of Technology & Science & Jawaharlal Technological University Anantapur from 23 rd June to 27 th June, 2025
24	Sri G .Shashidhar Yadav	NEP 2020 Orientation & Sensitization Programme Under Malaviya Mission Teacher Training Programme (Mm-Ttp) Of University Grants Commission (UGC)	5 Days	Regional Institute Of Education, Mysore (Programme Id - Mmc-041-2025-Jan-B-03226)
		Generative AI and Prompt Engineering	5 Days	May, 2025.
25	Sri. Mohammed Fayaz	Interactive Computing with Augmented and Virtual Reality: Fundamentals and Applications	5 Days	Hub E & ICT Academy NIT Warangal, Spoke E & ICT Academy, IIITDM Kurnool in coordination with G. Pulla Reddy Engineering College, Kurnool from 2 nd June to 6 th June, 2025

6. New Faculty Recruited:

S.No	Name of Faculty	Designation	Qualification	Photo
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1	Smt. A. Archana	Assistant Professor	M.Tech	
2	Dr. K. Srinivas Rao	Professor	M.Tech., Ph.D.	
3	Dr. M. Jahir Pasha	Associate Professor	M.Tech., Ph.D.	
4	Dr. D. Jayanarayana Reddy	Assistant Professor	M.Tech., Ph.D.	
5.	Smt. V. Monica	Assistant Professor	M.Tech (S.E)	

7. Certification courses done by faculty:

S.No	Name of Faculty	Course / Certification Name	Date / Month
1	Smt. K. AshaRani	Programming Fundamentals using Python –Part 1	7 th January, 2025
2	Sri.K.Srikanth	Talent Next project on Artificial intelligence and Machine learning	October 2024 to January 2025.
3	Smt. S.Shashikala	Python Foundation Certification	15 th April,2025
4	Smt. G.Alekhya	Train the trainers programme on Entrepreneurship and venture creation,	10 th – 14 th March 2025
5	Smt.B.Varalakshmi	Train the trainers programme on Entrepreneurship and venture creation,	10 th – 14 th March 2025
6	Smt.T.Chandana	Train the trainers programme on Entrepreneurship and venture creation,	10 th – 14 th March 2025
7	Dr.S.Shabana Begum	Internet Of Things	10 th June , 2025
8	Smt.D.Sai Brunda	Research Methodology	12 th June , 2025
9	Sri.B.Sreedhar Boya	Applied Generative AI” Certification	10 th April ,2025
		Quantum Computing	12 th June, 2025
		Data Science for Engineers	15 th June, 2025

- Dr. G.Raghu Ram, Associate Professor, ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool, has published a book entitled “Artificial Intelligence” - Publisher Sciro international Publishers, ISBN NO- 978-93-342-4953-8, in March 2025.
- Smt. K.Asha rani, Assistant Professor of ECS department, G. Pullareddy Engineering College (Autonomous): Kurnool has completed the NPTEL course of “Deep Learning” successfully.
- Sri K. Srikanth, Associate Professor, ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool published a book entitled “A Comprehensive Examination and Evaluation of Machine Learning Algorithms Applied to a Breast Cancer Data set utilizing the WEKA Software tool” - Publisher B.P. International ISBN NO- 978-93-48388-06.
- Sri V.Suresh, Assistant Professors of ECS department, G. Pulla Reddy Engineering College (Autonomous): Kurnool; Sri S.Vinay Kumar, Assistant Professors of ECS department, G. Pulla Reddy Engineering College (Autonomous): Kurnool have published the book titled, “Mastering Large Language Models” with ISBN : 978-81-985437-6-9 .
- Smt. O. Roopa Devi Assistant professor, ECS Department G. Pulla Reddy Engineering College (Autonomous): Kurnool has published a book entitled “Artificial Intelligence” - Publisher Sciro international Publishers, ISBN NO- 978-93-342-4953-8, in March 2025.
- Smt. T. Chandana, Assistant professor, ECS Department, G. Pulla Reddy Engineering College (Autonomous): Kurnool has published the book titled, “A hybrid model for stock price forecasting based on market sentiment and deep learning optimization” in the “Proceedings of International Conference on Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS-2025), Recent sustainable developments in Science and Engineering vol. 1, ISBN: 978-81-983747-6-9, June 2025, page number 165–171.
- Smt. Dr. S. Shabana Begum, Assistant professor, ECS Department, G. Pulla Reddy Engineering College (Autonomous): Kurnool has published the book titled, “ Block Chain-Enabled Swarm Robotics: Ensuring Secure and Reliable Communication in Autonomous Systems” in the Proceedings of International

Conference on Advances in Computational Mathematics and Applied Physical Sciences (ICACMAPS-2025), Recent sustainable developments in Science and Engineering vol. 1, ISBN: 978-81-983747-6-9, June 2025, page number 128-135.

- Smt. G. Alekhya, Ms.V.Jamima Jyothi, Smt. D. Sai Brunda, Assistant Professors of ECS department, G. Pullareddy Engineering College (Autonomous): Kurnool have completed the NPTEL course of “Deep Learning” successfully.

8. Student achievements:

- Students from II year ECS (CSM & CSD) have successfully completed the PALS - Residential Student Workshop at IIT Madras. As part of the workshop, participants worked on NIRMAN case studies, competed with 25 teams.

Winning Projects from GPREC:

Bulletproof Material – M. Venkatraman achary IV CSM- B & team

Net Zero Energy Building – N. Harshavardhan IV CSM B- & team

Both teams received a cash prize of ₹2,000 each for their outstanding work

- Shaik Abdul Basith of III CSD, G. Pulla Reddy Engineering College (Autonomous): Kurnool has participated in UDYAMOTSAV 2025 - National Level Pitching Round and successfully explained to investors at Mahindra University, Hyderabad , conducted by the Ministry of Education's Innovation Cell (MIC), Govt of India and AICTE.
- M.Venkata ramana , N.Harshavardhan, M. Bharani kumar Reddy (CSM), K. Mohan Reddy (CSD), II year ECS students, G. Pulla Reddy Engineering College (Autonomous): Kurnool have Received the Best Competitor award in IDEATHON-2k25 ISTE @LTSU Chandigarh .
- J.Arun Kumar from 4 CSM-B section of ECS department has successfully completed the CODE SYMPOSIUM 2K25 coding challenge and achieved III position conducted on march 8th 2025, in the coder’s club, organized by G. Pulla Reddy Engineering College (Autonomous), Kurnool.