

Information for GPREC News Letter
(July - December, 2024)
DEPARTMENT OF ECS
Emerging Technologies in Computer Science

1. Events conducted/ organized:

- Dr.A.Vishnu Vardhan Reddy, Associate Professor, Dr.K.Ashfaq Ahmed & Smt.O.RoopaDevi,Assistant Professors, Department of ECS, G.Pulla Reddy Engineering College(Autonomous):Kurnool has organized a five day Faculty Development Program on “The Future of Computing: Emerging Technologies and Trends” organized by G.Pulla Reddy Engineering College from 08th to 12th July 2024.
 - Department of ECS has conducted a guest lecture for 2nd year CSM students on the topic “Navigating the AI & ML” by the resource person Smt. Sirisha Bachu on august 17th 2024.
 - Department of ECS has conducted a guest lecture for 2nd year CSM, CSD,CSB students on the topic “Explore the future of AI and build your own Generative AI Model”, by the resource person Abhunav Devaguptapu(NxtWave) on 24th august 2024.
 - Department of ECS has conducted a guest lecture for 2nd year CSM, CSD,CSB students on the topic “PALS –IBS”, by the resource person Ms.Saptha Surendran, Mr Prameswaran Selvan on 31st august 2024.
 - Department of ECS has conducted a guest lecture for 2nd year CSB students on the topic “Case studies navigating through Marketing”, by the resource person Smt.Srija Golla on September 14th 2024.
 - Department of ECS has conducted a guest lecture for 2nd year CSM students on the topic “A semi supervised approach for semantic segmentation of aerial remote sensing images under limited ground truth availability”, by the resource person Anisha Chakravorty on 5th October 2024.
 - Department of ECS has conducted a guest lecture for 2nd year CSM students on the topic “Emerging Technologies”, by the resource person Vinnakota Saran Chaitanya on 19th October 2024.
 - Department of ECS has conducted a guest lecture for 2nd year CSM ,CSB students on the topic “Data Warehousing:Its” ”, by the resource person Siva Shankar Reddy on 2nd November 2024.
 - Department of Emerging Technologies in Computer Science is organized One week International Level Workshop (Virtual Mode) on “Mastering Goal Setting: A Scientific Approach to Achieving Success” during 4th November to 9th November 2024. Convener: Dr. Abid Nayeemuddin, Co-Conveners: Sri P. Praneel Kumar and Sri B. Sreedhar
 - Department of Emerging Technologies in Computer Science is organized One Week Faculty Development Program (FDP) in OFFLINE Mode on “Artificial Intelligence & Machine Learning with MATLAB” during 2nd December to 6th December 2024. Convener: Dr. Abid Nayeemuddin, Co-Conveners: Sri P. Praneel Kumar and Sri B. Sreedhar.
-

- List of CAA activities conducted during AY 2024-25 Odd Semester(Oct 2024-Dec 2024)

S.No.	Date	CAA Activity Name	Event Name
1	11-11-2024	IEI	Robo war
2	08-11-2024		From pioneers to places a history quiz
3	04-11-2024		Logic lock down
4	01-11-2024		Intaractive session on AI
5	28-10-2024		Seminar on data science
6	21-10-2024		Break the query
7	18-10-2024		Code war
8	14-10-2024		Seminar on AI
9	04-10-2024		Technologies on generative AI
10	03-10-2024	IEEE	Tech Puzzles
11	05-10-2024		Guest Lecture: A novel semi supervised approach for semantic segmentation of aerial remote sensing images under limited ground truth vailability
12	15-10-2024		JAM
13	17-10-2024		Code Crush challenge
14	22-10-2024		Debugging Delights
15	24-10-2024		Blind Coding Challenge(Collaboration with IEEE CS)
16	29-10-2024		Circuit Breakers
17	05-11-2024		Futuregen Crypto Talks
18	07-11-2024		Knapsack Challenge
19	12-11-2024		ElevateX
20	14-11-2024		Origami
21	04.10.2024	CSI	JAM
22	09.10.2024		Debugging Challange
23	16.10.2024		Designs for Development
24	23.10.2024		Top Hands - Lets test your typing skills
25	30.10.2024		Decoding I
26	06.11.2024		Technical Quiz
27	13.11.2024		R & J Case Study
28	01-10-2024	ISTE	Tech-Charades
29	08-10-2024		Tech-Debate
30	18-10-2024		Tech-Talk
31	08-11-2024		Tech-Buzz
32	12-11-2024		Tech-Expo

- JIGNASA 2024 started with a spectacular inaugural address by Dr. B. Eswar Reddy, Secretary, ISTE, AP Section. He captivated the students with his insightful, powerful, and inspiring words. As a part of the fest, CSE and ECS Departments conducted various events.

A variety of technical events like Paper Presentation, Technical Quiz, Extempore, Blind Coding Challenge, Poster Presentation, and a Workshop on Cyber Security were organized at various venues in CSE and ECS Departments.

- Students from a various engineering colleges (as shown below) took part in the JIGNASA 2k24 events hosted by the CSE and ECS departments at the GPREC campus

1. Srinavasa Ramanujan Institute of Technology, Anantapuramu
2. St. Johns College of Engineering & Technology, Yemmiganur
3. Annamacharya Institute of Technology & Sciences, Rajampet
4. CVR College of Engineering, Hyderabad
5. Mahatma Gandhi Institute of Technology, Hyderabad.
6. Rayalaseema University College of Engineering, Kurnool
7. Siddhartha Institute of Engineering College and Technology, Puttur

8. Sciece Institute of Technology, Hyderabad etc.

Event	Prize	Amount
Paper presentation	First prize	5000/- per team
	Second prize	3000/- per team
	Third prize	2000/- per team
Poster presentation	First prize	3000/- per team
	Second prize	2000/- per team
Extempore	First prize	1000/- per person
Blind Coding	First prize	1000/- per person
Technical Quiz	First prize	1000/-perperson

2. Workshops /Conferences /seminars attended by faculty:

S.No	Names(s) of Faculty	Workshop/Conference /Seminar attended	Held at	Period from - to
1	Dr. R. Praveen Sam	9 th international conference on computing sciences (ICCS-2024)	Lovely Professional University	22 oct-2024
2	Smt. K. Asha Rani	Women Congress (offline)	Women's Cell and IEEE STB 15721 of GPREC	6th and 7th of December 2024
3	Smt. B. Varalakshmi	WOMEN IN DIGITAL BUSINESS (offline)	G. Pulla Reddy Engineering College(Autonomous)	September 21st-25 th 2024
		Women Congress (offline)	Women's Cell and IEEE STB 15721 of GPREC	6th and 7th of December 2024
4	Smt. T. Chandana	WOMEN IN DIGITAL BUSINESS (offline)	G. Pulla Reddy Engineering College(Autonomous)	September 21st-25 th 2024
5	Dr. S. Shabana Begum	WOMEN IN DIGITAL BUSINESS (offline)	G. Pulla Reddy Engineering College(Autonomous)	September 21st-25 th 2024
		Women Congress (offline)	Women Congress (offline)	6th and 7th of December 2024
6	M. Manasa	Women Congress (offline)	Women's Cell and IEEE STB 15721 of GPREC	6th and 7th of December 2024
7	Smt. B. Kiranmayee	Women Congress (offline)	Women's Cell and IEEE STB 15721 of GPREC	6th and 7th of December 2024
8	Sri. B. Sreedhar	From Scratch to Deployment: Hands-on Model Building with keras and Tensor Flow	Sri Venkateswara College of Engineering	14 th to 25 th October 2024

3. Papers Presented/Achievements:

Publications in International Journals

S.No	Authors	Paper Title	Published in / Issue No / Vol.No/ Year/Month/ Pages
1	Dr.R.Praveen Sam	IDS Range of Attack in WSN and Prevention Using PSO Fitness Measures	Scopus, Volume, Issue:12(4), PP:618–623, ISSN: 2147-67992
2	Dr.A.Vishnuvardhan Reddy	SMS2DC: Synchronous mobile sinks scheduling for data collection in internet of things-enabled wireless sensor networks	Volume, Issue:e2267, Online ISSN:1099-1190 Print ISSN:1055-7148
3	Sri. B. Sreedhar Boya	Predictive Modelling of Cancer in Multi factorial Diseases Using Enhanced Cancer-Onset Algorithm	ISSN NO – 2676- 7104 , Vol 13, Issue 3

4. Conferences Attended:

Publications in National/International Conferences

S.No	Authors	Conference Name	Date
1	Sri.S.Md.Nadeem	Ethereum Block chain-Based Design and Implementation of Electronic Records for Home Care	SRM University, Chennai in the month of May 2024
2	B. Sreedhar	Intelligent Resources Allocation for Edge-IoT: Enhancing QoE with Deep Reinforcement Learning	Surya Engineering College, Tamil Nadu/India

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	Deep Learning for Engineering Applications	7 days	NITTTR, Chandigarh
		Outcome Based Education for Program Accreditation	5 days	NITTTR, Chandigarh
		Recent technological innovations in computer science and engineering	10 days	Chaitanya Bharathi Institute of Technology, Hyderabad.
		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
2	Dr. K. Govardhan Reddy	Cyber Security Essentials and Digital Forensics	7 days	SRIT
		Revolutionizing Learning Hands on Generative AI and LLMS	5 days	SVR Engineering College
		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
3	Dr. Y. Rama Mohan	Deep Learning for Engineering Applications	7 days	NITTTR, Chandigarh

		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
4	Dr.A.Vishnuvardhan Reddy	Deep Learning for Engineering Applications	7 days	NITTTR, Chandigarh
		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
5	Sri. M. Mahesh Kumar	Deep Learning for Engineering Applications	7 days	NITTTR, Chandigarh
6	Sri. K. Srikanth	Gen-AI and Prompt Engineering Using Microsoft Co-Pilot	7 days	Organized by BNMIT-Karnataka
		Cyber Security Essentials and Digital Forensics	7 days	SRIT
		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
7	Smt. K. Asha Rani	Learning Analytics Tools	12 week	NPTEL ONLINE CERTIFICATION
8	Sri. S. Vinay Kumar	Introduction to Machine Learning	12 weeks	NPTEL ONLINE CERTIFICATION
		Cyber Security Essentials and Digital Forensics	7 days	SRIT
		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
9	Sri.V. Suresh	Gen-AI and Prompt Engineering Using Microsoft Co-Pilot	7 days	Organized by BNMIT-Karnataka
		invigilated IT skills course tests		GPREC
		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
10	Smt. O. Roopa	Machine Learning and Deep Learning-Fundamentals and Applications	12 weeks	NPTEL ONLINE CERTIFICATION
		Intellectual Property Rights and Competition Law	8 week	NPTEL ONLINE CERTIFICATION
		Introduction to Machine Learning	12 weeks	NPTEL ONLINE CERTIFICATION
11	Smt. Sri. G. Alekhya	Learning Analytics Tools	12 week	NPTEL ONLINE CERTIFICATION
12	Smt. B. Varalakshmi	Machine Learning	30 days	SkillDzire in collaboration with AICTE
		Gen AI:Generative Adversarial Networks	5 days	Malla Reddy Engineering College for Women(Autonomous):Hyderabad
		Cyber Security Essentials and Digital Forensics	7 days	SRIT
13	Dr.S.Shabana	Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
14	Sri.M.Mahesh Kumar	Universal Human Values-II	7 days	Sri Vasavi Engineering College(Autonomous):Pedatad

				epalli, Tadepalligudem, West Godavari
15	Smt. M. Manasa	Learning Analytics Tools	12 week	NPTEL ONLINE CERTIFICATION
16	Smt. D. Sai Brunda	Machine Learning	30 days	SkillDzire in collaboration with AICTE
17	Sri. P. Praneel Kumar	Machine Learning	30 days	SkillDzire in collaboration with AICTE
		Outcome Based Education	5 days	G.Pulla Reddy Engineering College (Autonomous):Kurnool
18	Sri. M. Sreedhar	Gen-AI and Prompt Engineering Using Microsoft Co-Pilot	7 days	Organized by BNMIT-Karnataka
		Cyber Security Essentials and Digital Forensics	7 days	SRIT

6. New Faculty Recruited:

S.No	Name of Faculty	Designation	Qualification	Photo
1	U .VEERENDRA	Assistant Professor	M.Tech(Ph.D.)	
2	G .SHASHIDHAR YADAV	Assistant Professor	M.Tech	
3	MD FAYAZ	Assistant Professor	M.Tech	

7. Faculty Achievements

- Dr. R. Praveen Sam, Professor & HOD of ECS department, has received the Certificate of “Excellence in Peer-Reviewing” in recognition of an outstanding contribution to the quality of the book on 05.10.2024.
- Dr. R. Praveen Sam, Professor & HOD of ECS department, has received the Certificate of “Excellence in Peer-Reviewing” in recognition of an outstanding contribution to the quality of the book on 18.10.2024.
- Dr. K. Govardhan Reddy, Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed Infosys Spring Board certification on “**Python Foundation**” on 28/12/2024.
- Dr. A.Vishnuvardhan Reddy, Associate Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. K. Srikanth , Associate Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. K. Srikanth , Associate Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a eight week course “Introduction to Machine Learning” Organized by NPTEL ONLINE CERTIFICATION from Jul-Sep 2024.
- Sri. K. Srikanth, Associate Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed Infosys Spring Board certification on “**Applied Generative AI Certification**” Organized by Infosys Springboard on Dec 4, 2024.
- Sri. K. Srikanth, Associate Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed Infosys Spring Board certification on “**Principles of Generative AI Certification**” Organized by Infosys Springboard on Dec 4, 2024.
- Smt. K. Asha Rani, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Learning Analytics Tools**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024.
- Smt. K. Asha Rani, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Learning Analytics Tools**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024.
- Sri. M. Nayeemuddin , Associate Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a eight week course “Introduction to Machine Learning” Organized by NPTEL ONLINE CERTIFICATION from Jul-Sep 2024.
- Sri. M. Nayeemuddin , Associate Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has received “Remote Pilot Certificate” on 01/10/2024
- Sri. S. Vinay Kumar, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has “Received Appreciation letter from IIT, BOMBAY” Organized by GPREC on 2023- 2024.
- Sri. S. Vinay Kumar, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Introduction to Machine Learning**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024.
- Sri. V. Suresh, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. V. Suresh, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has successfully “invigilated IT skills course tests” Organized at

GPREC from 2023-2024.

- Smt. O. Roopa, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Machine Learning and Deep Learning-Fundamentals and Applications**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024.
- Smt. O. Roopa Devi, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Introduction to Machine Learning**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024.
- Smt. O. Roopa Devi, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 8 week course “**Intellectual Property Rights and Competition Law**” Organized by NPTEL ONLINE CERTIFICATION from August- October 2024
- Smt. O. Roopa Devi, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Learning Analytics Tools**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024.
- Smt. O. Roopa Devi, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has recognized as “**NPTEL BELIEVER**” NPTEL ONLINE CERTIFICATION from Jul-Dec 2024.
- Smt. Sri. G. Alekhya, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Learning Analytics Tools**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024.
- Smt. B.Varalakshmi, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a eight week course “Introduction to Machine Learning” Organized by NPTEL ONLINE CERTIFICATION from Jul-Sep 2024.
- Smt. M. Manasa, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a 12 week course “**Learning Analytics Tools**” Organized by NPTEL ONLINE CERTIFICATION from July- October 2024
- Sri. Y. Shiva Kumar, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Dr. S. Shabana, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a eight week course “Introduction to Machine Learning” Organized by NPTEL ONLINE CERTIFICATION from Jul-Sep 2024.
- Sri. B. Kiranmayee, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. V. Jemima Jyothi, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. O. Sirisha, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. G. Alekhya, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. B. Sreedhar, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed the Python Foundation Certification organized by Infosys springboard on September 12th, 2024.

- Sri. M. Sreedhar, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed a four week course “Python for Data Science” Organized by NPTEL ONLINE CERTIFICATION from Jul-Aug 2024.
- Sri. M. Sreedhar, Assistant Professor of ECS department, G. Pulla Reddy Engineering College (Autonomous), Kurnool has completed CSD & CSM Project Batch_23 titled "Hand Gestures using Open CV" presented a paper in National Conference on Recent Trends in Engineering and Technology, Management and Sciences (NCRTEMS-2024)” at Narasimha Reddy Engineering College, Hyderabad.
- K. Srikanth, Associate professor, ECS Department “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/ISSN ISBN NO-978-93-48388-06, November 2024.

8. Students Achievements

- M.Pavitra, of VI Sem , CSE- AIML, G.Pulla Reddy Engineering College(Autonomous):Kurnool was awarded with National Level Gouthami Nandi Award as Best Student under Education Category in Tyagaraja Gana Sabha,Hyderabad on 28-07-2024 .
- J.Arun kumar 239x1a3347, has participated in UMANG 2k24 organised by IEEE Hyderabad section students activities committee in association with Ananthapuram sub-section at GPREC, Kurnool.
- Chandu geethanjali has attended webinar on Mastering Data Science:A journey from fresher to Gen AI Expert conducted by innomatics research labs on 5th October, 2024.
- C.venu gopal has participated in international workshop on “mastering goal setting:specific approach for acheveing success” from November 4th to 9th 2024 organised by department of ECS,GPREC,KURNOOL.