



Info Techies Bulletin

Biannual Newsletter for Department of Information Technology

PRAGATI ENGINEERING COLLEGE

Volume -23- Dec 2023

Vision of the Institute

To emerge as a Premier Institution for Technical Education in the Country through Academic Excellence and to be recognized as a Centre for Excellence in Research & Development, catering to the needs of our Country.

Mission of the Institute

To realize a strong Institution by consistently maintaining State-of-art infrastructure and building a cohesive, World Class Team and provide need based Technical Education, Research and Development through enhanced Industry Interaction.

Department Vision

To attain academic excellence in the field of Information Technology and research serving to the needs of the society through technological developments.

Department Mission

- M1: To create stimulating learning ambiance by providing state-of-art infrastructure and to induce innovative and problem-solving capabilities to address societal challenges.
- M2: To impart quality technical education with professional team to make the graduates globally competent to IT Enabled Services.
- M3: To strengthen industry-academia relationship for enhancing research capabilities.

PSOs for B.Tech. IT Program

- PSO1: Develop software programs in various programming languages learnt to create the software applications to solve the real life problems of the society.
- PSO2: Excel in emerging software tools and technologies.
- PSO3: Effectively transform their ideas and bring consensus for the transformation of the idea into a usable software product application.

PEOs for B.Tech. IT Program

- PEO 1: Students will have successful career in IT as researchers, entrepreneurs and IT professionals satisfying the needs of the society.
- PEO 2: Students will exhibit inclination towards higher education and continuous learning process.

PEO 3: Students will practice ethical behavior in IT industry with effective soft skills essential to work in teams.

Program Outcomes (POs)

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, Engineering fundamentals, and an Engineering specialization to the solution of complex Engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and Engineering sciences.
- 3. Design-development of solutions:** 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.
- 4. Conduct investigations of complex problems:** 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.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modeling to complex Engineering activities with an understanding of the limitations.
- 6. The engineer and society:** 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.
- 7. Environment and sustainability:** Understand the impact of the professional Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the Engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** 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.
- 11. Project management and finance:** 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.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

List of Faculty Members

S.No.	Name of the Faculty	Qualification	Designation
1	Dr.M.Uma Devi	Ph.D	Associate. Professor
2	Mrs. T.Ganga Bhavani	M.Tech.	Asst. Professor
3	Mr. G.Satya Mohan Chowdary	M.Tech.	Asst. Professor
4	Mr. D.Konda Babu	M.Tech.	Asst. Professor
5	Mrs. Ch.Naga Lakshmi Geetha	M.Tech.	Asst. Professor
6	Mrs. D.Bhavya Reddy	M.Tech.	Asst. Professor
7	Mrs. P S H R Padmaja	M.Tech.	Asst. Professor
8	Mrs. T.Kavitha	M.Tech.	Asst. Professor
9	Mrs. A.Manga Devi	M.Tech.	Asst. Professor
10	Miss J N S Kalyani	M.S	Asst Professor
11	Mr. S Srinivas (Visiting Faculty from Industry)	M.S.	Asst. Professor

The Following Faculty Members has Published Papers during july to Dec 2023 .

S.No.	Name of the faculty	Title	Journal name	Month and Year of Publication / Presentation
1	Dr. D Sirisha	An Empirical Study on Extending the Bounds on Makespan and Resources for Scientific Workflows	International Journal of Information Technology, Springer	Submitted on 04-08-2023
2	Dr. D Sirisha	Crowd Count Detection using Computer Vision and Convolutional Neural Network	International Conference on Artificial Intelligence: Theory and Applications (AITA 2023)	Accepted for Publication
3	Mr. Satya Mohan Chowdary G	Exploring Word Embeddings for Text Classification: A Comparative Analysis	International Journal of Engineering Technology and Management Sciences-IJETMS	Volume 7, Issue 5, Sept-Oct 2023
4	Mr. Satya Mohan Chowdary G	Agriculture Crop Yield Prediction and Fertilizer Recommendation using Machine Learning	IJITCE	Volume 11, Issue 2, April 2023

5	Mr. Satya Mohan Chowdary G	Deep Learning based Discovery of Non-Helmet Riders and License Plate Number using Yolo v3 and OCR system	IJERST	Vol. 11, Issue.2, April 2023
6	Mrs. T Ganga Bhavani	Exploring Word Embeddings for Text Classification: A Comparative Analysis	International Journal of Engineering Technology and Management Sciences-IJETMS	Volume 7, Issue 5, Sept-Oct 2023
7	Mrs. T Ganga Bhavani	An efficient Cyber Hacking Breaches analysis using Machine Learning	IJITCE	Volume 11, Issue 2, April 2023
8	Mrs. T Ganga Bhavani	A novel approach to predict latest trending videos from OVS using MLK (Multivariate Linear Regression)	IJERST	Vol. 11, Issue.2, April 2023
9	Mr. D Konda Babu	Exploring Word Embeddings for Text Classification: A Comparative Analysis	International Journal of Engineering Technology and Management Sciences-IJETMS	Volume 7, Issue 5, Sept-Oct 2023

FDP/Workshop (12):

S. No.	Name of the Faculty	Designation	Workshop/FDP Name	Organized by	Duration
1	Mrs. T Ganga Bhavani	Asst. Professor	Online certification on Demystifying Networking	NPTEL	Jul–Aug 2023
2	Mrs. T Ganga Bhavani	Asst. Professor	COURSE ON SEEK: Self-directed Emotional Learning for Empathy and Kindness	UNESCO MGIEP MAHATMA GANDHI INSTITUTE OF EDUCATION FOR PEACE AND SUSTAINABLE DEVELOPMENT	14-06-2023
3	Mrs. T Ganga Bhavani	Asst. Professor	Online International Faculty Development Program on Data Science and Chat GPT	K L Deemed to be University in Collaboration with ExcelR.	15-05-2023 to 19-05-2023
4	Mrs. T Ganga Bhavani	Asst. Professor	Adobe Academic Essentials Program	Adobe Express	May 2023
5	Mr. Satya Mohan Chowdary G	Asst. Professor	Online certification on Demystifying Networking	NPTEL	Jul–Aug 2023
6	Mr. G Satya Mohan Chowdary	Asst. Professor	Online International Faculty Development Program on Data Analyst	Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR.	19-06-2023 to 23-06-2023

7	Mr. G Satya Mohan Chowdary	Asst. Professor	COURSE ON SEEK: Self-directed Emotional Learning for Empathy and Kindness	UNESCO MGIEP Mahatma Gandhi Institute Of Education For Peace And Sustainable Development	14-06-2023
8	Mr. G Satya Mohan Chowdary	Asst. Professor	Social Emotional Learning (SEL) for Youth Waging Peace	UNESCO MGIEP Mahatma Gandhi Institute Of Education For Peace And Sustainable Development	13-06-2023
9	Mr. G Satya Mohan Chowdary	Asst. Professor	Online International Faculty Development Program on Data Science and Chat GPT	K L Deemed to be University in Collaboration with ExcelR.	15-05-2023 to 19-05-2023
10	Mr. G Satya Mohan Chowdary	Asst. Professor	Adobe Academic Essentials Program	Adobe Express	May 2023
11	Mrs. A Manga Devi	Asst. Professor	Online International Faculty Development Program on Deep Learning for NLP and Computer Vision	CBIT in Collaboration with ExcelR.	10-07-2023 to 24-07-2023
12	Mrs. A Manga Devi	Asst. Professor	Online International Faculty Development Program on Data Analyst	Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR.	19-06-2023 to 23-06-2023

Conference Attended (05):

S. No.	Name of the Faculty	Designation	Workshop/FDP Name	Organized by	Duration
1	Mrs. T Ganga Bhavani	Asst. Professor	Enhancing Intrusion Detection in Wireless Sensor Networks using Deep Learning-based K-Barriers Prediction	2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	18-10-2023 to 20-10-2023
2	Mrs. T Ganga Bhavani	Asst. Professor	Exploring Word Embeddings for Text Classification: A Comparative Analysis	Third International Conference on Science, Technology and Management-2023 organized by Global Conference Hub, KCT Tech Park, Saravanampatti, Coimbatore, Tamilnadu	26-08-2023 to 27-08-2023
3	Mr. G Satya Mohan Chowdary	Asst. Professor	Automated Identification and Prioritization of Self-Admitted Technical Debt using	2023 International Conference on Self Sustainable Artificial	18-10-2023 to 20-10-2023

			NLP Word Embeddings	Intelligence Systems (ICSSAS)	
4	Mr. G Satya Mohan Chowdary	Asst. Professor	Exploring Word Embeddings for Text Classification: A Comparative Analysis	Third International Conference on Science, Technology and Management-2023 organized by Global Conference Hub, KCT Tech Park, Saravanampatti, Coimbatore, Tamilnadu	26-08-2023 to 27-08-2023
5	Mr. D Konda Babu	Asst. Professor	Exploring Word Embeddings for Text Classification: A Comparative Analysis	Third International Conference on Science, Technology and Management-2023 organized by Global Conference Hub, KCT Tech Park, Saravanampatti, Coimbatore, Tamilnadu	26-08-2023 to 27-08-2023

3. The Following Faculty Members has Successfully Completed Faculty Development Programs during july to Dec 2023 .

FDP/Workshop (12):

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1	Mrs. T Ganga Bhavani	Asst. Professor	Online certification on Demystifying Networking	NPTEL	Jul–Aug 2023
2	Mrs. T Ganga Bhavani	Asst. Professor	COURSE ON SEEK: Self-directed Emotional Learning for Empathy and Kindness	UNESCO MGIEP MAHATMA GANDHI INSTITUTE OF EDUCATION FOR PEACE AND SUSTAINABLE DEVELOPMENT	14-06-2023
3	Mrs. T Ganga Bhavani	Asst. Professor	Online International Faculty Development Program on Data Science and Chat GPT	K L Deemed to be University in Collaboration with ExcelR.	15-05-2023 to 19-05-2023
4	Mrs. T Ganga Bhavani	Asst. Professor	Adobe Academic Essentials Program	Adobe Express	May 2023
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6	Mr. G Satya Mohan Chowdary	Asst. Professor	Online International Faculty Development Program on Data Analyst	Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR.	19-06-2023 to 23-06-2023
7	Mr. G Satya Mohan Chowdary	Asst. Professor	COURSE ON SEEK: Self-directed Emotional Learning for Empathy and Kindness	UNESCO MGIEP Mahatma Gandhi Institute Of Education For Peace And Sustainable Development	14-06-2023
8	Mr. G Satya Mohan Chowdary	Asst. Professor	Social Emotional Learning (SEL) for Youth Waging Peace	UNESCO MGIEP Mahatma Gandhi Institute Of Education For Peace And Sustainable Development	13-06-2023
9	Mr. G Satya Mohan Chowdary	Asst. Professor	Online International Faculty Development Program on Data Science and Chat GPT	K L Deemed to be University in Collaboration with ExcelR.	15-05-2023 to 19-05-2023
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12	Mrs. A Manga Devi	Asst. Professor	Online International Faculty Development Program on Data Analyst	Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR.	19-06-2023 to 23-06-2023
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ONLINE CERTIFICATION COURSES COMPLETED BY STUDENTS

S.No.	Roll No.	Name of the Student	COURSE/ACHIVED AREA	CERTIFIED ORGANISATION
1	20A31A1255	S D S K P SUBRAHMANYAM	ONLINE CERTIFICATION	PROGRAMING IN JAVA
2	22a31a1222	Dakshayani salapu	ONLINE CERTIFICATION	Technics for big data analytics
3	21A31A1260	Shambu Prasad Jakka	ONLINE CERTIFICATION	Foundation certificate of Introduction to artificial intelligence
4	21A31A1262	TAMALAMPUDI SRIGOWTHAMREDDY	ONLINE CERTIFICATION	PROGRAMMING IN JAVA ,
5	21A31A1262	TAMALAMPUDI SRIGOWTHAMREDDY	ONLINE CERTIFICATION	ARTIFICIAL INTELLIGENCE FOUNDATION CERTIFICATION
6	20A31A1255	S D S K P SUBRAHMANYAM	ONLINE CERTIFICATION	SQL
7	21A31A1219	Nallamilli Naga Sreya	ONLINE CERTIFICATION	Artificial Intelligence Foundation Certification
8	21A31A1219	Nallamilli Naga Sreya	ONLINE CERTIFICATION	Google Cloud Computing With Kubernetes
9	21A31A1259	Shaik Zuheruddin	ONLINE CERTIFICATION	Artificial intelligence foundation certificate
10	22a31a1245	Jada srikanth	ONLINE CERTIFICATION	Mind luster certification online free course
11	22A31A1203	Bantumilli Rahena	ONLINE CERTIFICATION	Online
12	22A31A1203	Bantumilli Rahena	ONLINE CERTIFICATION	Online
13	21A31A1222	P. Honey Susila	ONLINE CERTIFICATION	Juniper networks networking
14	21A32A1222	P. Honey Susila	ONLINE CERTIFICATION	Microsoft learn
15	20a31a1246	Mohammed Jafar Sadiqe	ONLINE CERTIFICATION	Programming Foundations with JavaScript, HTML and CSS
16	20a31a1246	Mohammed Jafar Sadiqe	ONLINE CERTIFICATION	Python

17	21A31A1205	DHARMAVARAPU SANTHI KUMARI	ONLINE CERTIFICATION	Artificial Intelligence Foundation Certification
18	21A31A1221	SETTI DEVI	ONLINE CERTIFICATION	ARTIFICIAL INTELLIGENCE FOUNDATION CERTIFICATION
19	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Introduction to R
20	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Digital Productivity
21	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Financial Literacy
22	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Google Analytics for Beginner
23	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Statistics 101
24	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Agile methodology virtual experience program
25	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Introduction to Data Concepts
26	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	What is Data Science
27	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Cybersecurity Essentials
28	22A31A1216	Kuppala satya sri	ONLINE CERTIFICATION	Basics of python
29	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	The Fundamentals of Digital Marketing
30	22A31A1206	Ganapathiraju Rama sri devi	ONLINE CERTIFICATION	Basics of python
31	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Programming Fundamentals using Python 1
32	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Programming Fundamentals using Python 2
33	21A31A1241	Sai Mohith Kadiyala	ONLINE CERTIFICATION	Time Management

Academic Toppers

The following are the academic toppers for III Year I Semester

1	IT	III-I	21A31A1230	YARLAGADDA MAHALAKSHMI	9.02	1
2	IT	III-I	21A31A1224	RANGANADHAM JALA NAGA HEMALATHA	8.74	2

Editorial Board

Faculty Members

Mr. D.Kondababu – Convener
Mrs. T Ganga Bhavani – Member
Mr.G.Satya Mohan Chowdary – Member

Student Members

Ms. Nunna Vidya Vydehi (III
B.Tech.)
Mr. Vasala Devi Pradeep (IV B.Tech.)