



# Info Techies Bulletin

Biannual Newsletter for Department of Information Technology

PRAGATI ENGINEERING COLLEGE

Volume -23- June 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. D.Sirisha	Ph.D	Professor & HOD
2	Mrs. PV Komali	M.Tech.	Asst. Professor
3	Mrs. NVS Sowjanya	M.Tech.	Asst. Professor
4	Mrs. T.Ganga Bhavani	M.Tech.	Asst. Professor
5	Mr. G.Satya Mohan Chowdary	M.Tech.	Asst. Professor
6	Mr. D.Konda Babu	M.Tech.	Asst. Professor
7	Mrs. Ch. Naga Lakshmi Geetha	M.Tech.	Asst. Professor
8	Mrs. D Bhavya Reddy	M.Tech.	Asst. Professor
9	Mrs. PSHR Padmaja	M.Tech.	Asst. Professor
10	Mrs. T.Kavitha	M.Tech.	Asst. Professor
11	Mrs. A.Manga Devi	M.Tech.	Asst. Professor

**The Following Faculty Members has Published Papers during jan to June 2023 .**

S.No.	Name of the faculty	Title	Journal name	Month and Year of Publication / Presentation	Indexing
1	Dr. D Sirisha	Complexity versus quality: a trade-off for scheduling workflows in heterogeneous computing environments	The Journal of Super Computing, 79, 924–946, (2023). (FREE SPRINGER SCI Journal). DOI: 10.1007/s11227-022-04687-x	2023	SCI
2	Mrs. D Sirisha	“A Generic Model to Analyze and Predict Brain Tumor from MRI and CT Medical Images using Deep Learning”	International Trends for Modern Trends in Science and Technology, Vol. 9, Issue 04, doi: <a href="https://doi.org/10.46501/IJMTST0904004">https://doi.org/10.46501/IJMTST0904004</a>	April 2023.	UGC Approved
3	Mrs. D Sirisha	“Prevention of Malicious Attacks and Anomaly Identification	International Trends for Modern Trends in Science and	April 2023.	UGC Approved

		4in Wireless Sensor N5etworks using PA”	Technology, Vol. 9, Issue 04, doi: <a href="https://doi.org/10.46501/IJMTST0904019">https://doi.org/10.46501/IJMTST0904019</a>		
4	Mrs. D Sirisha	“Artificial Intelligence based E Learning Trends”	Innovation of Multidisciplinary Research in Present and Future Time, Vol. 3, Pg. 25-29, ISBN: 978-81-962702-2-3 ( Book Chapter)	April 2023	<b>UGC Approved</b>
5	Mrs. N V S Sowjanya	Classification of Online Toxic Comments using Machine Learning Algorithms	International Journal of Engineering Research and Science & Technology (IJERST), ISSN 2319-5991 <a href="http://www.ijerst.com">www.ijerst.com</a> Vol. 11, Issuse. 2	April 2023	<b>UGC Approved</b>
6	Mrs. N V S Sowjanya	A Generic Model to Predict Climatic Conditions and Rainfall Prediction using MLR	International Journal of Information Technology & Computer Engineering(IJTCE ), ISN NO: 2347 – 3657 Volume 11, Issue 2, 2023	April 2023	<b>UGC Approved</b>
7	Mrs. T Ganga Bhavani	A novel approach to predict latest trending videos from OVS using MLK (Multivariate Linear Regression	International Journal of Engineering Research and Science & Technology (IJERST), ISSN 2319-5991 <a href="http://www.ijerst.com">www.ijerst.com</a> Vol. 11, Issuse. 2	April 2023	<b>UGC Approved</b>
8	Mrs. T Ganga Bhavani	An efficient Cyber Hacking Breaches analysis using Machine Learning	International Journal of Information Technology & Computer Engineering(IJTCE ), ISN NO: 2347 – 3657 Volume 11, Issue 2, 2023	April 2023	<b>UGC Approved</b>
9	Mr. G Satya Mohan Chowdary	Deep Learning based Discovery of Non-Helmet Riders and License Plate Number using Yolo v3 and OCR system	International Journal of Engineering Research and Science & Technology (IJERST), ISSN 2319-5991 <a href="http://www.ijerst.com">www.ijerst.com</a> Vol.	April 2023	<b>UGC Approved</b>

			11, Issue. 2		
10	Mr. G Satya Mohan Chowdary	Determination Of Medicinal Leaf Properties using Artificial Intelligence	International Journal of Information Technology & Computer Engineering(IJITCE), ISN NO: 2347 – 3657 Volume 11, Issue 2, 2023	April 2023	<b>UGC Approved</b>
11	Mr. D Konda Babu	Multi- Traffic Scene Perception Based on Supervised Learning	International Journal of Engineering Research and Science & Technology (IJERST), ISSN 2319-5991 www.ijerst.com Vol. 11, Issue. 2	April 2023	<b>UGC Approved</b>
12	Mr. D Konda Babu	Smart Traffic Detection and Control Using Canny Edge Detection Algorithm	International Journal of Engineering Research and Science & Technology (IJERST), ISSN 2319-5991 www.ijerst.com Vol. 11, Issue. 2	April 2023	<b>UGC Approved</b>
13	Mrs. A Manga Devi	An automatic facial attendance and emotion analysis using machine learning	International Journal of Information Technology & Computer Engineering(IJITCE), ISSN NO: 2347 – 3657 Volume 11, Issue 2, 2023	April 2023	<b>UGC Approved</b>
14	Mrs. A Manga Devi	OSN Based Human Behavioral Analysis and Provide Recommendations Using Deep Learning	International Journal of Information Technology & Computer Engineering(IJITCE), ISSN NO: 2347 – 3657 Volume 11, Issue 2, 2023	April 2023	<b>UGC Approved</b>

**3. The Following Faculty Members has Successfully Completed Faculty Development Programs during jan to June 2023 .**

<b>S. No.</b>	<b>Name of the Faculty</b>	<b>Designation</b>	<b>Workshop/FDP Name</b>	<b>Organized by</b>	<b>Duration</b>
1	Dr. D Sirisha	Professor & HoD	AICTE FDP on “Research Avenues in Machine Learnig & AI for Societal Issues”	Department of CSE & ECE NIT Sinchar, Assam	14-03-2022 to 18-03-2022
2	Mrs. N V S Sowjanya	Asst. Professor	“Introduction to Python”, “Programming Fundamentals using Python – Part 1” & “Programming Fundamentals using Python – Part 2” and “Python Programmer Certification”	Infosys Springboard	13th June to 17th June 2022
3	Mrs. N V S Sowjanya	Asst. Professor	Contemporary Computing Technologies	SRM Institute of Science and Technology	21st to 28th June 2022.
4	Mrs. T Ganga Bhavani	Asst. Professor	Unleashing Emerging Research Trends and Advancements in Computer Science	VIT, AP	4th to 14th July 2022.
5	Mrs. T Ganga Bhavani	Asst. Professor	Contemporary Computing Technologies	SRM Institute of Science and Technology	21st to 28th June 2022.
6	Mrs. T Ganga Bhavani	Asst. Professor	“21st CENTURY SKILLS FOR TEACHING & LEARNING (CSTL-2022)	GMR Institute of Technology	August 16-20,2022
7	Mrs. T Ganga Bhavani	Asst. Professor	Amazon Web Services	Department of CSE, GMR Institute of Technology, RAJAM in collaboration with BRAINOVISION SOLUTIONS INDIA PVT.LTD, CSI & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION -	22nd August 2022 to 27th August 2022

				AICTE	
8	Mr. G Satya Mohan Chowdary	Asst. Professor	Unleashing Emerging Research Trends and Advancements in Computer Science	VIT, AP	4th to 14th July 2022.
9	Mr. G Satya Mohan Chowdary	Asst. Professor	Contemporary Computing Technologies	SRM Institute of Science and Technology	21st to 28th June 2022.
10	Mr. G Satya Mohan Chowdary	Asst. Professor	“21st CENTURY SKILLS FOR TEACHING & LEARNING (CSTL-2022)	GMR Institute of Technology	August 16-20,2022
11	Mr. G Satya Mohan Chowdary	Asst. Professor	Amazon Web Services	Department of CSE, GMR Institute of Technology, RAJAM in collaboration with BRAINOVISION SOLUTIONS INDIA PVT.LTD, CSI & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE	22nd August 2022 to 27th August 2022
12	Mr. G Satya Mohan Chowdary	Asst. Professor	IA Training Advanced level	MOEs Innovation Cell, AICTE	JULY 2022
13	Mr.D.Konda babu	Asst. Professor	AICTE	Inculcating Universal Human Values I Technical Education.	April 2023

**The Following Faculty Members Has Attended Online Conference :**

S. No.	Name of the Faculty	Designation	Workshop/FDP Name	Organized by
1	Mrs. T Ganga Bhavani	Asst. Professor	Innovative Online Conference	AWS
2	Mr. G Satya Mohan Chowdary	Asst. Professor	Innovative Online Conference	AWS

## ONLINE CERTIFICATION COURSES COMPLETED BY STUDENTS

S. No.	ROLL NO.	Name Of The Student	Course Provider	Course Title	Date
1	19A31A1219	Jampana Nirupama Satya Surya Sai Prasanthi	Nptel	Online Privacy	23/04/2023
2	21A31A1220	Nunna Vidya Vydehi	Infosys Spring Board	Programming Fundamentals Using Python Part	13/02/2023
3	20A31A1249	Nlrv Aditya	Internshala	Training On Web Development	6/1/2023
4	21A31A1220	Nunna Vidya Vydehi	Workshop at JNTUK	AWS	25/3/2022

## Extra Curricular Activities

### Sports:

S.No.	Roll No.	Student Name	Sport	Date
1	20A31A1242	Karumuri Hima Koushik Sriram	Cricket - Pragati Premier League	7/1/2023
2	21A31A1220	Nunna Vidya Vydehi	Chess	13/02/2023
3	21A31A1214	K.G.P.Shri Varshini	Chess	15/04/2023

### NSS - National Integration Camp – 2023

S.No	Roll No.	Student Name	Date
1	20A31A1261	Vasala Devi Pradeep	24/02/2023

### Internal Activities:

S. No	Roll No.	Student Name	Event	Description	Date
1	21A31A1220	Nunna Vidya Vydehi	Essay Writing	National Women's Day	13/02/2023
2	21A31A1214	K.G.P.Shri Varshini	Essay Writing	National Women's Day	15/04/2023
3	21A31A1214	K.G.P.Shri Varshini	Essay Writing	National Women's Day	15/04/2023
4	21A31A1222	P.Honey Susila	Elocution	National Womens day	13/02/2023



## Academic Toppers

The following are the list of students who have been awarded as the academic toppers on 15<sup>th</sup> August 2022.

The following are the academic toppers for I Year I Semester .

S.No	Branch	Year	RollNo.	Name of student	SGPA	Rank
1	IT	I-I	22A31A1226	UMMANBOYINA TRIVENI	9.54	1
2	IT	I-I	22A31A1209	GODAVARTHI RANGA LAKSHMI DEEPIKA	9.54	2

The following are the academic toppers for I Year II Semester

1	IT	I - II	22A31A1215	KUKKALA VINODINI	9.23	1
2	IT	I - II	22A31A1232	VEMULA NAGAMANI	9.23	2

The following are the academic toppers for II Year I Semester

1	IT	II-I	21A31A1221	SETTI DEVI	9.06	1
2	IT	II-I	22A35A1201	ARIGELA LAVANYA	9.06	2

The following are the academic toppers for II Year II Semester

1	IT	II-II	21A31A1219	NALLAMILI NAGA SREYA	9.02	1
2	IT	II-II	21A31A1206	DWARA ROHITHA SREE	9.02	2

The following are the academic toppers for III Year I Semester

1	IT	III-I	20A31A1207	JUTTUKA HARSHITA MAHA LAKSHMI	9.06	1
2	IT	III-I	20A31A1243	KONE RAM LAL SURESH	9	2

The following are the academic toppers for III Year II Semester

1	IT	III- II	20A31A1207	JUTTUKA HARSHITA MAHA LAKSHMI	8.6	1
2	IT	III- II	20A31A1253	REDDY PANKAJ KUMAR	8.6	2

2	20A31A1254	Sunkara Chaitanya SaiBhaskar	IT	II-I	8.74
3	20A31A1207	Juttuka Harshita MahaLakshmi	IT	II-I	8.6
4	20A31A1209	Kankatala Suchitra Devi	IT	II-I	8.6
5	20A31A1243	Kone Ram Lal Suresh	IT	II-I	8.6

□ The following are the academic toppers for III Year I Semester and the pass percentage is 78.46%.

S.No.	Roll No.	Name	Branch	Year - Sem	SGPA
1	19A31A1238	Yatam Rama Sessa Nishitha	IT	III-I	8.6
2	19A31A1206	Chagalla Vinitha	IT	III-I	8.5
3	19A31A1217	Gollapalli Udaya Sri	IT	III-I	8.5
4	19A31A1218	Gundu Sai Lahari	IT	III-I	8.5
5	19A31A1230	Pothula Lakshmi Bhavana	IT	III-I	8.5
6	19A31A1231	Potti Krishna Ratna Roshini	IT	III-II	8.5

□ The following are the academic toppers for IV Year I Semester and the pass percentage is 83.33%.

S.No.	Roll No	Name	Branch	Year -Sem	SGPA
1	18A31A1202	Balusu Lakshmi Sowjanya	IT	IV-I	8.91
2	18A31A1208	Prada VyshnaviDevi	IT	IV-I	8.91
3	18A31A1220	Pentyala Sai Mounica	IT	IV-I	8.77

## **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.)