PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

2022-23

Faculty Achievements

S. No	Events	IT		
		Internal	External	Total Attended
1	Program Committee Member	--	01	01
2	Papers Published	--	19	19
3	Patents Published	--	02	02
4	Articles Reviewed	--	12	12
5	Faculty Development Programme's	--	12	12
6	Online Conferences attended	--	08	08
Total		**--**	**54**	**54**

1. **Program Committee Member:**

   ➤ **Dr. D Sirisha** participated as **Program Committee Member** and Reviewer for "**3rd International Conference on Soft Computing and Robotics**" during 24th and 25th Feb. 2023, organized by Babu Banarasi Das University, Lucknow, India..

2. **Papers Published (16):**

S.No.	Name of the faculty	Title	Journal name	Month and Year of Publication / Presentation	Indexing
1	Dr. D Sirisha	"MPEFT: A Makespan Minimizing Heuristic Scheduling Algorithm for Workflows in Heterogeneous Computing Systems"	CCF Transactions on High Performance Computing. Aug. 2022. DOI: 10.1007/s42514-022-00116-w	Aug, 2022.	**SCIE**
2	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**
3	Mrs. D Sirisha	"A Generic Model to Analyze and Predict	International Trends for Modern Trends in Science		

		Brain Tumor from MRI and CT Medical Images using Deep Learning"	and Technology, Vol. 9, Issue 04, doi: https://doi.org/10.46501/IJM TST0904004	April 2023.	**UGC Approved**
4	Mrs. D Sirisha	"Prevention of Malicious Attacks and Anomaly Identification in Wireless Sensor Networks using PA"	International Trends for Modern Trends in Science and Technology, Vol. 9, Issue 04, doi: https://doi.org/10.46501/ IJMTST0904019	April 2023.	**UGC Approved**
5	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	**UGC Approved**
6	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 www.ijerst.com Vol. 11, Issuse. 2	April 2023	**UGC Approved**
7	Mrs. N V S Sowjanya	A Generic Model to Predict Climatic Conditions and Rainfall Prediction using MLR	International Journal of Information Technology & Computer Engineering(IJITCE), ISN NO: 2347 – 3657 Volume 11, Issue 2, 2023	April 2023	**UGC Approved**
8	Mrs. T Ganga Bhavani	Machine Learning Techniques for selecting the Best Routing Traffic for Packets in LAN	International Journal for Modern Trends in Science and Technology, 8(S08): 154-163	2022	**UGC Approved**
9	Mrs. T Ganga Bhavani	Compiler Optimization using Machine Learning Techniques	International Journal for Modern Trends in Science and Technology, 8(S08): 145-153	2022	**UGC Approved**
10	Mrs. T Ganga Bhavani	A novel approach to predict latest trending videos from OVS	International Journal of Engineering Research and Science & Technology	April 2023	**UGC Approved**

		using MLK (Multivariate Linear Regression	(IJERST), ISSN 2319-5991 www.ijerst.com Vol. 11, Issuse. 2		
11	Mrs. T Ganga Bhavani	An efficient Cyber Hacking Breaches analysis using Machine Learning	International Journal of Information Technology & Computer Engineering(IJITCE), ISN NO: 2347 – 3657 Volume 11, Issue 2, 2023	April 2023	**UGC Approved**
12	Mr. G Satya Mohan Chowdary	Compiler Optimization using Machine Learning Techniques	International Journal for Modern Trends in Science and Technology, 8(S08): 145-153	2022	**UGC Approved**
13	Mr. G Satya Mohan Chowdary	Machine Learning Techniques for selecting the Best Routing Traffic for Packets in LAN	International Journal for Modern Trends in Science and Technology, 8(S08): 154-163	2022	**UGC Approved**
14	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 www.ijerst.com Vol. 11, Issuse. 2	April 2023	**UGC Approved**
15	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	**UGC Approved**
16	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, Issuse. 2	April 2023	**UGC Approved**
17	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	April 2023	**UGC Approved**

			www.ijerst.com Vol. 11, Issuse. 2		
18	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	**UGC Approved**
19	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	**UGC Approved**

3. Patents Published:

1. Title of Invention, "**Machine Learning based Plant Disease Identification and Treatment Suggestion System**", Patent filed through NRDC, Date of Filing: 3-10-2020, Application No. 202041056517. Publication Date: 01-07-2022.

2. Title of Invention, "**Intelligent System Designing for Optimizing Fuel and Utilization through Minimizing Indirect Losses on Enhancing Efficiency of Power Plant**", Patent filed through NRDC, Date of Filing: 12-9-2020, Application No. 202041056516. Publication Date: 01-07-2022.

4. Articles Reviewed:

1. "A combined method of 3D and 2D convolution in deep learning for video classification", International Transactions on Electrical Energy Systems, 2nd Jan 2023. SCI.

2. "Anchor-free Proposal Generation Network for Efficient Object Detection", Journal of Electrical and Computer Engineering, Hindawi Publications, 23rd Dec. 2023.

3. "Heap Based Optimizer Algorithm for Solving Feature Selection Problems in High-Dimensional Cancer Microarray Data", Journal of Super Computing, Springer, 12th Oct. 2022. SCI

4. "On the iteration scheme JK for generalized nonexpansive mappings in CAT(0) spaces", Journal of Electrical and Computer Engineering, Hindawi Publications, 21st Sept. 2022.

5. "Mine Intelligent Visualization Ventilation Safety Data Mining Algorithm Based on BP Neural Network", Journal of Electrical and Computer Engineering, Hindawi Publications, 16th Sept. 2022.

6. "Saliency detection via fusing color contrast and hash fingerprint", Journal of Electrical and Computer Engineering, Hindawi Publications, 24th August 2022.

7. "CCCAP-Pre: Predicting Price of Artwork Based on GM(1, N, x(1)) Model and cultural services", Mathematical Problems in Engineering, Hindawi Publications, 8th August 2022.

8. "Numerical approximation of a one-dimensional transport model using a hybrid approach in finite volume method", Mathematical Problems in Engineering, Hindawi Publications, 6th August 2022.

9. "Survey on Task Scheduling Optimization Algorithms for Edge Computing" Journal of Electrical and Computer Engineering, Hindawi Publications, 1st August 2022.

10. "Minimal Reproducible Example (MRE) to generate evidence for Caching, Cache Line Size, and Data Prefetching by Intel Processors", Journal of Electrical and Computer Engineering, Hindawi Publications, 18th July 2022.

11. Deep Learning Based Software Reliability Prediction Model for Component Based Software, Journal of Electrical and Computer Engineering, Hindawi Publications, 2nd July 2022.

12. "Representation of Gene Regulation Network by Hypothesis Logic Based Boolean Systems", The Journal of Supercomputing, 27th June 2022. SCI Journal.

5. FDPs (12):

S. No.	Name of the Faculty	Designation	Workshop/FDP Name	Organized by	Duration
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	22nd August 2022 to 27th August 2022

					COUNCIL FOR TECHNICAL EDUCATION - 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

6. Online Conference attended:

S. No.	Name of the Faculty	Designation	Workshop/FDP Name	Organized by	Duration
1	Mrs. T Ganga Bhavani	Asst. Professor	Innovative Online Conference	AWS	23rd to 25th Aug 2022.
2	Mrs. T Ganga Bhavani	Asst. Professor	AWSOME Day Online Conference	AWS	9th June, 2022
3	Mrs. T Ganga Bhavani	Asst. Professor	Compiler Optimization using Machine Learning Techniques	CIET, Guntur	28th June, 2022
4	Mrs. T Ganga Bhavani	Asst. Professor	Machine Learning Techniques for selecting the Best Routing Traffic for Packets in LAN	CIET, Guntur	28th June, 2022

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5	Mr. G Satya Mohan Chowdary	Asst. Professor	Innovative Online Conference	AWS	23rd to 25th Aug 2022.
6	Mr. G Satya Mohan Chowdary	Asst. Professor	AWSOME Day Online Conference	AWS	9th June, 2022
7	Mr. G Satya Mohan Chowdary	Asst. Professor	Compiler Optimization using Machine Learning Techniques	CIET, Guntur	28th June, 2022
8	Mr. G Satya Mohan Chowdary	Asst. Professor	Machine Learning Techniques for selecting the Best Routing Traffic for Packets in LAN	CIET, Guntur	28th June, 2022