



PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

2023-24

Faculty Achievements

S. No	Events	IT		
		Internal	External	Total Attended
1	Papers Published	--	23	23
2	Patents Published	--	1	1
3	Books Published	--	1	1
4	Articles Reviewed	--	2	2
5	Faculty Development Programme's	--	13	13
6	Online Conferences attended	--	2	2
7	Training Program	--	2	2
8	Webinars Attended	--	1	1
Total		--	45	45

1. Papers Published: 23

S.No.	Name of the faculty	Title	Journal name	Month and Year of Publication / Presentation	Indexing
1	Dr. M. Uma Devi	A Deep Learning-based System for Automated Plant Disease Severity Detection and Fertilizer Optimization	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
2	Dr. M. Uma Devi	Utilizing Machine Learning To Enhance Early Intervention In Mental Health Care	Industrial Engineering Journal	Apr 2024	UGC Approved
3	T. Ganga Bhavani	Deep Neural Networks for Multimedia Forensics: Detection of Deepfake Content	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
4	T. Ganga Bhavani	Machine Learning-based Anomaly Detection for Fraudulent Banking	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved



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		Activities			
5	T. Ganga Bhavani	Improving Cardiovascular Stroke Risk Prediction with Machine Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
6	Mr. Satya Mohan Chowdary G	Enhancing Digital Cheque Security: A Machine Learning Approach to Signature Fraud Mitigation	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
7	Mr. Satya Mohan Chowdary G	Identifying Credit Card Fraudulent Transactions through Machine Learning Analysis	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
8	D. Konda Babu	Web-based Deep Learning System for Malaria Parasite Detection in Granular Blood Samples	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
9	D. Konda Babu	A Proactive Approach to Heart Health: Machine Learning for Risk Assessment and Personalized Patient Management	Industrial Engineering Journal	Apr 2024	UGC Approved
10	Mrs. A Manga Devi	Intelligent Traffic Management System: Detecting Over Speeding, Red-Light Violations, Helmet Violations, and Triple Riding	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
11	Mrs. A Manga Devi	Identifying Risky Apps on the Google Play Store: A Decision Tree Approach	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
12	D. Bhavya Reddy	Implementing a Blockchain-based E-	International Journal for Research in Applied Science	Apr 2024	UGC Approved



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		Voting System for India: Mitigating Security Challenges through Aadhaar Card Authentication	& Engineering Technology (IJRASET)		
13	P S H R Padmaja	Enhanced Fire Alarm Systems using Deep Learning for Smoke and Fire Detection	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
14	P S H R Padmaja	Enhancing Coronary Heart Disease Risk Prediction with Machine Learning and Deep Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
15	T. Kavitha	Enhancing Spam Filtering: A Machine Learning Approach to SMS and Email Fraud Classification	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
16	T. Kavitha	Web-based System for Identifying Fraudulent Job Advertisements with Machine Learning	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
17	Ch. Naga Lakshmi Geetha	A Recognition-Based Graphical Password System for Enhanced User Authentication	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Apr 2024	UGC Approved
18	Mrs. T Ganga Bhavani	Exploring Word Embeddings for Text Classification: A Comparative Analysis	International Journal of Engineering Technology and Management Sciences- IJETMS	Sept-Oct 2023	UGC Approved
19	Mr. Satya Mohan Chowdary G	Exploring Word Embeddings for Text Classification: A Comparative Analysis	International Journal of Engineering Technology and Management Sciences- IJETMS	Sept-Oct 2023	UGC Approved
20	Mrs. A Manga Devi	Applicatins of Fuzzy sets for personalized	Journal of of Fuzzy sets Fuzzylogic Design volume 1	March 2024	MAT



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		healthcare Recommendation system	issue 1 year 2024		
21	Mrs. A Manga Devi	Application of Disributed graphs for Facilitaion of scalable boten Detection and Response	Journal of security computer Networks and Distributed Systems	Feb , 20024	MAT
22	Mrs. A Manga Devi	Self-Assured Oppurtunitic Routing Algorithm for Ad Hoc Networks	Journal of IoT-Based Distributed Sensor Networks volume 1, Issue 1 year 2024	Feb , 2024	MAT
23	Mrs. A Manga Devi	Review of variants of bloom filters for Detection of malicious URL	Journal of Intelligent Decision Technologies and Applications volume 1, Issue 1 year 2023	Dec , 2023	MAT

2. Patents Published: 01

1. Title of Invention, “**Multi Objective Differential Evolution Mechanism for Cyber Security Policy Optimization**”, Date of Filing: 27-12-2023, Application No.202341089155 A. Publication Date:12-01-24.

Publishing Agency: Indian Patent Office

3. Book published: 01

1. Dr. Moka Uma Devi, (2024). Problem Solving and Python Programming (First ed.). Scientific International Publishing House, ISBN N0:978-93-6132-663-9

4. Articles Reviewed: 02

1. **Mr. Satya Mohan Chowdary G**, asReviewer for the International Conference on “**Algorithms & Computational Theory for Engineering Applications (ICACTEA-2024)**”,held in association with **Springer** and organized by Department of Computer Science & Engineering, Aditya Engineering College(A) on 2nd & 3rd February, 2024.
2. **Mrs. T Ganga Bhavani**, asReviewer for the International Conference on “**Algorithms & Computational Theory for Engineering Applications (ICACTEA-2024)**”,held in association with **Springer** and organized by Department of Computer Science & Engineering, Aditya Engineering College(A) on 2nd & 3rd February, 2024.



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5. FDPs: 13

S. No.	Name of the Faculty	Designation	Workshop/FDP Name	Organized by	Duration
1	Dr. M. Uma Devi	Associate Professor & HoD	Deep Learning and its applications	Electronics and ICT Academy, NIT Warangal	21-03-2024 to 30-03-2024
2	Dr. M. Uma Devi	Associate Professor & HoD	Data Science and its applications	Acharya Nagarjuna University	02-02-2024 to 03-02-2024
3	Mrs. T Ganga Bhavani	Asst. Professor	Data Visualisation using POWER BI	The Bhopal School of social sciences	1 st -2 nd Feb,2024
4	Mrs. T Ganga Bhavani	Asst. Professor	Demystifying Networking	NPTEL-AICTE FDP	Jul-Aug 2023
5	Mrs. T Ganga Bhavani	Asst. Professor	Cloud Infrastructure & AWS Technologies	Pragati Engineering College in collaboration with Brainovision solutions India pvt ltd and AICTE	21 st - 25 th Aug 2023
6	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	14th June 2023
7	Mr. G Satya Mohan Chowdary	Asst. Professor	Data Mining	NPTEL-AICTE FDP	Jan-March 2024
8	Mr. G Satya Mohan Chowdary	Asst. Professor	Data Visualisation using POWER BI	The Bhopal School of social sciences	1 st -2 nd Feb,2024
9	Mr. G Satya Mohan Chowdary	Asst. Professor	Demystifying Networking	NPTEL-AICTE FDP	Jul-Aug 2023
10	Mr. G Satya Mohan Chowdary	Asst. Professor	Cloud Infrastructure & AWS Technologies	Pragati Engineering College in collaboration with Brainovision solutions India pvt ltd and AICTE	21 st - 25 th Aug 2023



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11	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.	19th June 2023 to 23rd June 2023
12	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	14th June 2023
13	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	13th June 2023

6. Online Conference attended: 02

S. No.	Name of the Faculty	Designation	Conference Name	Organized by	Duration
1	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 th , 27 th Aug 2023
2	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	26 th , 27 th Aug 2023



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				Global Conference Hub, KCT Tech Park, Saravanampatti, Coimbatore, Tamilnadu	
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7. Training Program attended: 02

S. No.	Name of the Faculty	Designation	Training Program Name	Organized by	Duration
1	Mrs. T Ganga Bhavani	Asst. Professor	National Intellectual Property awareness mission	NIPAM, Intellectual property India	13 th Sept, 2023
2	Mr. G Satya Mohan Chowdary	Asst. Professor	National Intellectual Property awareness mission	NIPAM, Intellectual property India	13 th Sept, 2023

8. Webinars Attended: 01

S. No.	Name of the Faculty	Designation	Webinar Name	Presented & Organized by	Duration
1	Mr. D Konda Babu	Asst. Professor	Cloud Enabled Internet of Things	DR. Ka. Selvaradjou, Professor, Puducherry Technological University	30th March 2024