

PRINCIPAL PROFILE



Dr. G. Shyama Chandra Prasad holds a Ph.D. in Computer Science and Engineering (CSE) from Jawaharlal Nehru Technological University, Hyderabad (JNTUH), and is a distinguished academican with over 25 years of teaching experience. He commenced his career in academia and has served at several reputed institutions. His areas of interest include image processing, neural networks, and machine learning. Dr. Shyama has published more than 50 research papers in various national and international journals and conferences. He has successfully supervised 10 postgraduate students and is currently supervising four Ph.D. scholars at Osmania University. Furthermore, two scholars have been awarded their Ph.D. degrees under his guidance at Osmania University. He serves as a reviewer for more than five reputed journals and is an active member of ISTE, contributing to knowledge exchange and professional development.

EDUCATIONAL DETAILS

- ❖ **Ph.D (Multi Swarm Optimization Methodology for Classification of Images)** from JNTUH University in 2015, Kukatpally, Hyderabad.
- ❖ **M.Tech Computer Science** (2003) with distinction from JNTUH, Kukatpally, Hyderabad.
- ❖ **B.Tech Computer Science** (1999) with first class from K.L.C.E, Nagarjuna University.

RESEARCH INTERESTS:

- ❖ Machine Learning
- ❖ Deep Learning
- ❖ Pattern Recognition

RESEARCH GUIDANCE:

- ❖ Recognized guide for Osmania University.
- ❖ Two (2) Scholars was awarded with PhD from Osmania University.
- ❖ Five (5) Scholars are perusing PhD from Osmania University.
- ❖ Guided around 20 M.Tech projects.

PROFESSIONAL ACHIEVEMENTS:

- ❖ Certified Trainer for Data Base Design and SQL from Oracle.
- ❖ Having Professional experience as a freelancer in Teaching of GATE throughout the India.
- ❖ Having Sound Knowledge in AICTE-NBA.
- ❖ Having Professional experience in NAAC and AUTONOMOUS working procedures.

- ❖ Resource Person in one week faculty development program on Computational Intelligence using machine learning at Matrusri Engineering College.
- ❖ **Reviewer for Conferences:** 2nd international conference on emerging trends in engineering (ICETE), International Conference on Data Acquisition Processing and Communication (DAPCom 2024), INDIACOM2022.
- ❖ **Reviewer for Journal:** IJATEE-International Journal of Advanced Technology and Engineering Exploration.
- ❖ **Editorial board member:** INDIA-2015, IC3T-2015, ICICT-2015, IC4SD-2015 and ICTIS 2015.
- ❖ **Conference Chair** for International Conference on Data Acquisition Processing and Communication (DAPCom 2024).
- ❖ **Chairman BOS** IT Matrusri Engineering College, Member Board of Studies for Osmania University, Ellenki College of Engineering and Technology, Pallavi Engineering College.
- ❖ **Placement Co-ordinator** in Matrusri Engineering College.
- ❖ **SPOC** for CISCO Academy, Oracle Academy in Matrusri Engineering College.
- ❖ Organized Seminars, Conferences, Workshops in various colleges

AWARDS:

- ❖ Advanced Level Instructor Award by CISCO in 2017.
- ❖ Best Performing Teacher award by Matrusri Engineering College in 2017-2018.
- ❖ Award of Excellence by NADC 2013.
- ❖ Best Teacher of the year by INDIA INDEPENDENCE AWARDS 2019.
- ❖ SIGCE-INSPIRING EDUCATIONIST AWARD by Smt. Indira Gandhi College of Engineering in 2019.

PROFESSIONAL MEMBER SHIPS:

- ❖ Life Member of the Indian Society for Technical Education (ISTE).
- ❖ Life Member of Education Research and Development Association (ERDA).
- ❖ Life Member of International Association of Engineers (IAE).
- ❖ Member of the Society of Digital Information and Wireless Communications (SDIWC).

LIST OF PUBLICATIONS:

PATENTS:

1. G Shyama Chandra Prasad et al, "SC-System – Smart calling system", Patent Application No.201821008732, Application Date: 09-03-2018, Publication Date – 13-09-2019.
2. G Shyama Chandra Prasad et al, "IAA-Predictive: Intelligent Aircraft Accidents Predictive Using Machine Learning and Deep Learning", Patent Application No.202041001188, Application Date: 10-01-2020.
3. G Shyama Chandra Prasad et al, "Device and Methods for Improving Web Safety and Deterrence of Cyberbullying", Patent Application No.202341002408, Application Date: 20/01/202.
4. G Shyama Chandra Prasad et al, "Rain water drain out machine from pit or basement", Patent Application No. 201821008735, Application Date: 13-09-2019.

BOOKS:

1. GET READY FOR PLACEMENTS Step by Step Guide to Prepare for Technical Placements, ISBN # 13:978-81-920425-3-4, UMA Publications, 2018.
2. C PROGRAMMING Coding and Aptitude Approach, ISBN # 978-81-920425-5-8, UMA Publications, 2018.
3. Multi Swarm Optimization Methodology for classification of Images, ISBN # 9786200277534, LAMBERT ACADEMIC PUBLISHING, 2019.
4. Principles of Operating Systems, ISBN # 9788194970569, BH International, 2021.
5. Efficient Cryptographic Algorithms based on Linear Transformations, ISBN # 978-6204734408, LAMBERT ACADEMIC PUBLISHING, 2022.

JOURNALS:

Scopus/Sci Publications:

1. G. Shyama Chandra Prasad, "Plant Species Identification Using a Custom CNN Model and Geometric Morphometrics – A Comparative Analysis", International Journal Of Intelligent Systems And Applications In Engineering, ISSN: 2147-6799, May 2024.
2. G. Shyama Chandra Prasad "LAI calculation for Landsat, Hyperion, Sentinel using Time Series Analysis", " , International Journal Of Intelligent Systems And Applications In Engineering, ISSN: 2147-6799, May 2024.
3. Bhukya Suresh, G. Shyama Chandra Prasad"An Energy Efficient Secure Routing Scheme using LEACH Protocol in WSNs for IoT Network", Measurement Sensors ,ISSN NO: 2665-9174,AUG 2023.
4. Kaparathi Ravi Kishore, G.Shyama Chandra Prasad, "A New Efficient Hybrid Cryptographic Implementation for Information Security in Hadoop ", .Journal of Northeastern University, ISSN NO ISSN: 1005-3026, JAN 2023.
5. Bhukya Suresh, G.Shyama Chandra Prasad, "A Survey on Enhanced Energy Efficient Routing Protocol of WSN for Internet of Things", Journal of university of shanghai for science and technology, ISSN No: 10076735, JULY 2021(Scopus).
6. G. Shyama Chandra Prasad, Durga Prasad Kavadi , Adi Narayana Reddy K, "Prediction of Personalized Medicine using Deep Learning", International Journal of Advanced Science and Technology ,ISSN: 2005-4238,June 2020. 10448-10455(Scopus)
7. G. Shyama Chandra Prasad, Adi Narayana Reddy K" Sentiment Analysis Using Multi-Channel CNN LSTM model", Journal of Advanced Research in Dynamical & Control Systems, ISSN: 1943-023X1577, Aug 2019,489-494 (Scopus)
8. RAMDAS VANKDOTHU, G. Shyama Chandra Prasad" Machine Learning approach for handwritten recognition", International journal of analytical and experimental modal analysis, ISSN: 0886-9367, Sept 2019.
9. RAMDAS VANKDOTHU, G. Shyama Chandra Prasad" A study on privacy applicable deep learning schemes for big data", Complexity international journal, ISSN: 1320-0682, July 2019.
10. G. Shyama Chandra Prasad , Adi Narayana Reddy K, "Secure Cryptosystem Based On Non-Deterministic Linear Transformation", IJPT, Vol.8, p- 18423-18429 (Scopus)

Peer Reviewed Publications:

1. Varsha Bandi, Baline Yugendhar , Daki AnilRaj , G.Shyama Chandra Prasad"Virtual Teaching Board Using Deep learning", International journal of Creative research thoughts (IJCRT),ISSN:2320-2882 , MAY 2023.
2. G.Shyama Chandra Prasad, G. Sri Harsha, K. Sravani, M. Aishwarya "Credit Card Fraudulent Transaction Detection and Prevention", International Journal for Research in Applied Science & Engineering Technology (IJRASET),ISSN:2321-9653, APRIL 2023.
3. G. Sreenivasa Reddy, G.Shyama Chandra Prasad, "Intrusion Detection System Using Clustering Algorithms of Neural Networks", International Journal of Advanced Research (IJAR), ISSN: 2320-5407, NOV 2023.Industrial Engineering Journal, ISSN: 0970-2555, JUNE 2023.
4. Bhukya Suresh,G. Shyama Chandra Prasad, "A Cluster Level Hierarchical Energy Efficient Data Aggregation Using Stable Routing Method in Wireless Sensor Networks For IOT Applications".
5. G.Shyama Chandra Prasad, Saikumar Siddannagari, Rapolu Nikhil Bharadwaj, and P. Lok Sandeep,"FORECAST OF SALES OF A STORE'", e-ISSN: 2395-0056, June 2020.
6. G.Shyama Chandra Prasad"Route Maintenance and Multi-Hop Routing in IoT using Optimization Algorithm", ISSN: 2582-3817, July 2021.
7. RAMDAS VANKDOTHU, G.Shyama Chandra Prasad" A Survey on BIG data analytics: Challenges, open research issues and tools", international journal for innovative engineering and management research, ISSN: 2456-5803, Aug 2019.
8. G.Shyama Chandra Prasad, A.Pramod Kumar, and V. Chandra Sekhar" Applying efficient Machine Learning Algorithms to Flight Delay Prediction", International Journal of Research, ISSN: 2236-6124, March 2019.
9. V. Chandra Sekhar , A.Pramod Kumar, G.Shyama Chandra Prasad" Design Interpretation of Text-based Deep Stock Prediction", International Journal of Research, ISSN :2236-6124, March 2019
10. G.Shyama Chandra Prasad, "An investigation of various data mining cluster analysis based on discrimination interruption in temporal data mining", International journal of scientific research and review, ISSN: 2279-543X, Jan 2019.
11. G.Shyama Chandra Prasad, "Sequence data mining process in implementation of health care domain by means of association rule", International journal of scientific research and review, ISSN: 2279-543X, NOV 2018.
12. A.Pramod Kumar, G.Shyama Chandra Prasad, , and V. Chandra Sekhar, "Air charge Investigation and prediction using Data Mining and Machine Learning Techniques", International Journal of Management ,Technology and Engineering, ISSN NO:2249-7455.
13. A.Pramod Kumar, G.Shyama Chandra Prasad, "Privacy-Aware Public Auditing System for Shared Cloud Data with Dynamic Groups", International Journal Of Innovative Research In Technology, ISSN: 2349-6002, Dec 2017.
14. V. Vinay Kumar, T. Aruna Jyothi, G.Shyama Chandra Prasad, "Explore the Potential Impact of Big Data Challenges, Open Research Issues and various Tools Associated", International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2319-8753,June 2017.
15. K. Sunil Manohar Reddy, G.Shyama Chandra Prasad, "Cross Layered Strategy For Back Pressure Controlled Qos Aware Routing In Manets", Asian Journal of Computer Science And Information Technology, ISSN: 22495126, 22495126.
16. G.Shyama Chandra Prasad, Prathibha and A.Pramod Kumar "Extended Radial Network For Spectral Neuro Approach In Pattern Recognition", International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, APRIL 2017.

17. G.Shyama Chandra Prasad, B.Sudheer Kumar² Sree lekha.G³ Vaishali Chavan⁴ Aditya jetta⁵ Apurva.k⁶ "Automated Log Analyzer Through Web Based HDFS",IRACST - International Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN: 2249-9555 Vol. 3, No.4, August 2013.
18. G.Shyama Chandra Prasad,G. SURYA PRAKASH², CH DIVYA SRUTHI³, CH DEEPA⁴" DAZZLE-PILOT Guides Your Own Way", IJAIR, Vol. 2 Issue 8 ISSN: 2278-7844.
19. G.Shyama Chandra Prasad, Dr. T.V.Rao, Dr.A.Govardhan "Content Based Image Retrieval using Multi-Wavelet Transform: A Neural network Approach", IJCSSA, Jan-June 2012, Vol 6 No.1 pp 37-43.
20. G.Shyama Chandra Prasad, Dr. T.V.Rao, Dr.A.Govardhan "Robust Invariant Neuro Modeling for Pattern Recognition", International Journal of Image Processing, Vol-IV, Issue.1, 2011, Pages 48-56.
21. C. Sunil Kumar, Mahaboob Sharief Shaik & G.Shyama Chandra Prasad" A Novel Method for Object Shape Description with Discrete Segments ", International Journal of Computational Intelligence and Healthcare Informatics, ISSN: 0973-7413 Vol. 4, No. 1, January - June 2011.
22. G.Shyama Chandra Prasad, Dr. T.V.Rao, Dr.A.Govardhan, "A Novel Method of Image Recognition through Principle Component analysis", International Journal on Computer Engineering and Information technology, Volume 15, NO-20, 2010, Pages 45-48.
23. G.Shyama Chandra Prasad, Dr. T.V.Rao, Dr.A.Govardhan, "Neural network based Context dependent Recognition approach for low indexed Images", Volume6, No-2, 2010, Pages 195-202.
24. G.Shyama Chandra Prasad, Dr. T.V.Rao, Dr.A.Govardhan, "An Integrated Context Modeling Approach to Neural Network for natural Image Recognition", accepted for publication in "International Journal of Recent trends in Engineering", Vol1,issue1, 2010.
25. G.Shyama Chandra Prasad, Dr. T.V.Rao, Dr.A.Govardhan, "A Low Indexed Content based Neural Network Approach for Natural Objects Recognition", International Journal of Computer science and Information Technology, Volume-1, NO 2, 2009, Pages 55-62.
26. K. Venu Gopala Rao G.Shyama Chandra Prasad "Instant Disaster / warzone communication management through MANET: TBR", International Journal ACST 2010(Advances in Computational Sciences and Technology)", in Vol: 3, No: 3, July 2010.

CONFERENCES:

1. G.Shyama Chandra Prasad, "Literature Survey to Improve Image Retrieval Efficiency by Visual attention Model", The third international conference on information system design and intelligence Applications(INDIA 2016)", Organized by Anil NeeruKonda Institute of Technology and sciences
2. G.Shyama Chandra Prasad" Randomized Cryptosystem Based on Linear Transformation", The third international conference on information system design and intelligence Applications(INDIA 2016)", Organized by Anil NeeruKonda Institute of Technology and sciences
3. G.Shyama Chandra Prasad, Dr. T.V.Rao, Dr.A.Govardhan, "Accuracy Assessment of images classification using using RBF with Multi swarm Optimization Methodology", IC3T 2015 proceedings (AISC) springer.
4. G.Shyama Chandra Prasad "Whether Damage Prophecy using Big-data Analytics", "National Conference On Innovations And Advancements In Computing (IAC-2014)", Organized by GITAM UNIVERSITY 28-Mar-2014 and 29-Mar-2014 in Hyderabad.

5. G.Shyama Chandra Prasad "Robust Invariant Neuro Modeling for Pattern" Fourth International Conference on Information Processing (ICIP-2010)", Organized by University Visvesvaraya College of Engineering.
6. G.Shyama Chandra Prasad "A Novel Method of Image Recognition Through Principal Component Analysis" Recent Trends in Soft Computing and Information Technology (RTSCIT-09)", Organized by CORPORATE IS&T, Bhopal In Association with IEEE and AICTE.
7. G.Shyama Chandra Prasad "Natural Image Classification Using Content Based Image Retrieval System" Second International Conference on Multimedia and Content Based Image Retrieval (ICMCBIR-2010)", Organized by PES Institute of Technology.
8. G.Shyama Chandra Prasad" Adaptive Resonance Theory 1 (ART1) Neural Network Based Horizontal and Vertical Classification of 0-9 Digits Recognition", National Conference on NCCC 2009, Organized by GNITS, Hyderabad, 2009.
9. G.Shyama Chandra Prasad "Virtual Reality", National Conference on Emerging Technologies & Applications", Organized by Saurashtra University, Rajkot.

FACULTY DEVELOPMENT PROGRAMS:

1. Attended Two-week FDP on "**Research Trends in Digital Image & Video processing**" at MGIT from 04-12-17 to 16-12-17.
2. Attended one FDP on "**Effective Teaching Methodologies and Technical paper writing**" at Matrusri Engineering College on 15-07-17.
3. Attended one week FDP on "**Data base programming with PL/SQL**" at Geetanjali Engineering College from 01-05-17 to 05-05-17.
4. Attended one FDP on "**Java Fundamentals and Java Programming**" at Sridatta Engineering College from 30-02-17 to 03-02-17.
5. Attended one week FDP on "**Recent Trends in Network security with Hands-on using ns3**" at MVSR Engineering College from 19-12-16 to 24-12-16.
6. Attended one week FDP on "**Database Design and Programming with SQL**" at GRIET from 21-11-16 to 25-11-16.
7. Attended one week Training program on "**IT Essentials**" from 29-08-16 to 3-09-2016.
8. Participated in the Faculty Development Program on **Big Data Analytics** conducted by ACEEC from 08-06-16 to 18-06-16.
9. Participated one week FDP on **Web Services and Internet of Things** from 1st December 2015 to 5th December 2015 at GNITS, HYDERABAD.
10. Participated in the faculty development program on **Computer Networks** conducted by IIT **BOMBAY-GITAM HYDERABAD** from 25-06-14 to 5-07-14.
11. Participated in the Faculty Development Program on **Database Management Systems** conducted by IIT **BOMBAY-Lenora** (2 weeks).
12. Participated in the Faculty Development Program on **CIS** conducted by **EMC²** from to Participated in the faculty development program on Hadoop Cloud Storage Systems conducted by ACEEC from 21-05-13 to 31-05-13.
13. Participated in the Faculty Development Program on **EXPERIENTIAL LEARNING** conducted by **SIVA SIVANI INSTITUTE of MANAGEMENT** on 02-05-2013.

GUEST LECTURES HANDLED:

1. Handled Guest lectures on “Compiler Design” at Shri Vithal Education & Research Institute’s College Of Engineering, Pandharpur on 29th-30th July 2013.
2. Handled Guest lectures on “Theory of Computation” at Shri Vithal Education & Research Institute’s College Of Engineering, Pandharpur From 14-06-13 to 17-06-13.

WORKED AS BUSINESS ASSOCIATE OF WIPRO:

Span	14-01-2007- TO 26-06-2007
Designation	Business Associate
	Exposure teaching subject Structured programming to WIPRO employees
	Undergoing BITS PILANI-WIPRO SPONSORED MS IN SOFTWARE
	ENGINEERING PROGRAM.