

Dr. S.Praveena

Associate Professor



Education Qualifications: Doctor of Philosophy (E.C.E)
Specialization: Image Processing

ADDRESS:

- C – Block -202

JNTUH ID:

58150402-145745

EMAIL:

spraveena_ece@mgit.ac.in

DATE OF JOINING:

16-06-2005

EXPERIENCE - 21 Years

- Teaching - 21

SUMMARY:

- Publications - 25
- Conferences - 6
- Books – 2

EVENTS:

- Organized - 3
- Attended - 25

Membership of Professional Bodies:

1. LMIETE-F-502891.
2. LMISTE- LM 44729

Responsibilities Held at Institution Level:

1. Member of Incubation and Startup.
2. Anti Ragging Committee Member
3. Campus Monitoring Committee Member

Responsibilities Held at Department Level:

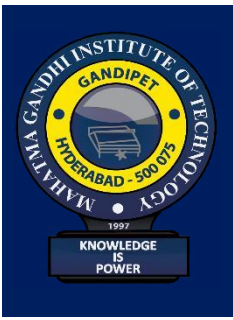
1. Lab In charge
2. Class In charge
3. Mentor
4. NPTEL Co-Ordinator
5. Project Coordinator
6. Involved in different committees and Judge for different events in student fest (MICROCOSM)

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Probability Theory and Stochastic Process
Signals and Systems
Digital Signal Processing
Linear and Digital IC Applications
Analog & Digital Electronics
- **PG:** Design of Fault Tolerant Systems

Publications:

1. Dr. S. Praveena, ,IoT based Mobile Application Development for Power Management and Monitoring in Commercial building,Nat. Volatiles & Essent. Oils, 2021; 8(5): 5678 - 5701(Scopus)
2. Gandrath Swathi &Dr.S.Praveena, “SEGMENTATION AND CLASSIFICATION OF ACUTE LYMPHOBLASTIC LEUKEMIA”, Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 12, 2020, Pp 58
3. Dr.S.Praveena&Dr.S.P.Singh, “Face Recognition: A Detailed Survey Over Databases And Recognition Methods”, AEGAEUM JOURNAL, ISSN: 0776-3808, Volume 9, Issue 5, May 2021, Pp – 73-79.
4. Dr.S.Praveena, Dr.S.P.Singh, Divya A Sagar &B.Lokesh, “Classification of Leukemia Images using Transfer Learning Approach”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 10 Issue 6 June 2021. Pp 1-7.



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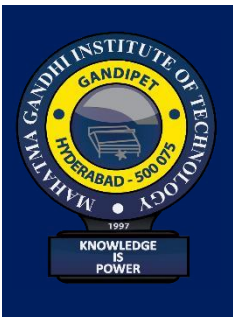
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5. B.Suresh Kumar & Dr. S.Praveena, “Lithium-Ion Battery: Charging & Discharging Modes”, GRADIVA REVIEW JOURNAL, ISSN NO: 0363-8057, VOLUME 7 ISSUE 6 2021, Pp 188-193
6. Dr.S.Praveena, Dr. S.P.Singh, "Sparse-FCM and Deep Convolutional Neural Network for the segmentation and classification of acute lymphoblastic leukemia" in Biomedical Engineering – SCIE Journal, 2020. ISSN: 0013-5585(SCI)
7. Dr.B.Suresh Kumar, Dr.S.Praveena, K.Sindhu Priya, “Modeling and Simulation of Linear Electro Mechanical actuator for Missile Application with high redundancy” Muktsabd Journal Volume IX, Issue IV, APRIL-2020 ISSN NO: 2347-3150 pg: Page No: 1678-1684
8. K.Spandana, Dr. S. Praveena, “Two Different Multi-Kernels for Fuzzy C-Means Algorithm for Medical Image Segmentation”, International Journal of Research (IJR), Vol-05, Issue-17, ISSN: 2348-6848, Impact Factor 5.60 July 2018.
9. Dr. S. Praveena, “Reduction of Davies Bouldin index using hybrid clustering algorithm and Naive Bayes Classifier”, International Journal of Engineering, Science and Mathematics, ISSN: 2320-0294, Vol. 7 Issue 3, March 2018
10. Dr. S. Praveena, “Classification of Images Using ABC-GA, ABC-KFCM and Naïve Bayes Classifier”, International Journal of Advanced in Management, Technology and Engineering Sciences, ISSN: 2249-7455, Volume 8, Issue III, March 2018
11. Dr. S. Praveena, “Review on Image Clustering Algorithms”, International Journal of Innovative Research & Studies, ISSN: 2319-9725, Volume 8, Issue III, March 2018.
12. Dr. S. Praveena, “Digital Image Water Marking Techniques”, International Journal of Latest Trends in Engineering and Technology (IJLTET), Volume 10, Issue 2, ISSN: 2319-3778 on April 2018, Pp 077-082.
13. Dr. S. Praveena, “Heart Diseases Analysis through ECG Signal Processing: A Review”, International Journal of Advanced Management Technology and Engineering Sciences (IJAMTES), ISSN:2249-7455, Volume 8, Issue 4 on April 2018
14. S.Praveena, “Image Clustering and Classification Using Modified ABC Algorithm”, International Journal of Engineering Research and Sports Science (IJERSS), Volume 4, Issue 2, Feb – 2017
15. S.Praveena, “Classification of Images Using ABC-GA, ABC-FCM and Naïve Bayes Classifier”, International Journal in IT and Engineering (IJITE), Impact Factor – 5.343, ISSN: 2321 – 1776, Vol.04, Issue-06, June 2016
16. S.Praveena, “Clustering and Classification of Satellite Images Using Moving KFCM and Neural Network Classifier”, International Journal in IT and Engineering (IJITE), Impact Factor – 5.343, ISSN: 2321 – 1776, Vol.04, Issue-06, June 2016
17. S.Praveena, “Clustering and Classification of Images Using Moving ABC-FCM and Naïve Bayes Classifier”, International Journal of Science and Research(IJSR), Impact Factor(2015):6.391, ISSN(online): 2319 – 7064, Volume 5, Issue-06, June 2016.
18. S.Praveena, “An Approach for the Clustering and Classification of Images Using ABC-GA, and Naïve Bayes Classifier”, GE-International Journal of Engineering Research(GE-IJER), IF– 4.721, ISSN: 2321 – 1717, Vol.04, Issue-06, June 2016.
19. S.Praveena, “Image Clustering and Classification Using Modified ABC Algorithm”, International Journal of Science and Research (IJSR), Impact Factor(2015):6.391, ISSN(online): 2319 – 7064, Volume 5, Issue-06, June 2016

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20. Mrs.S.Praveena, “Comparison of Clustering Algorithms using Neural Network Classifier for Satellite Image Classification”, International Journal of Research and Applications (IJERA), ISSN: 2248-9622, DOI:10.9720, Vol.5, Issue 6, (Part – 6) June 2015.
21. S. Praveena, S.P. Singh and I.V.Muralikrishna, “An Approach for the Segmentation of Satellite Images using moving KFCM and Naive Bayes Classifier”, i-manager’s Journal on Electronics Engineering, Vol. 3 | No. 2 | December 2012 - February 2013
22. S Praveena, S.P. Singh and I.V.MuraliKrishna, “An Approach for the Segmentation of Satellite Images using K-means, KFCM, Moving KFCM and Naive Bayes Classifier”, International Journal of Computer Applications 65(20): 21-26, March 2013
23. Mrs.S. Praveena and Dr S P Singh, “Hybrid Clustering Algorithm and feed-Forward Neural Network for satellite Image Classification”, International Journal of Engineering Science Invention ISSN (online):2319-6734, (Print):2319-672, Vol-3, Issue1 January 2014, pp 39-47.
24. Mrs.S.Praveena, Dr.S.P.Singh, “Comparision of Clustering Algorithms using Neural Network Classifier for Satellite Image Classification”, International Journal of Research and Applications (IJERA), ISSN: 2248-9622, Vol.5, Issue 6, (Part – 6) June 2015.
25. S. Praveena, S. P. Singh and I. V. Murali Krishna “Adaptive Region Segmentation In Satellite Images For Urban And Non-Urban Region Detection” International J. of Engg. Research &Indu. Appls. (IJERIA), ISSN 0974-1518, Vol.4, No. IV (November 2011), pp. 149-164.

Conferences:

1. Mrs.S.Praveena, “Hybrid clustering algorithm and Neural Network classifier for satellite image classification”, International Conference on Industrial Instrumentation and Control (ICIC) College of Engineering, Pune, India , May 28 to 30, 2015.) (Scopus, ESCI)
2. S. Praveena and Dr.S.P.Singh “Performance of Various filters for Salt and Pepper Noise and Speckle Noise” International Conference on Machine Intelligence application to Power, Signal Processing , Communication and Control(MIPSCCON)-2011, PP- SP136-SP139, 7-9 April 2011.
3. Mrs.S.Praveena and Dr.S.P.Singh, “Segmentation and Classification of satellite Images” International Conference on Emerging Trends in Instrumentation, Communication, Electrical & Electronics (ICE-ICEE) 23-25 January 2014, pp 27, Indore.
4. Mrs.S.Praveena, Dr.S.P.Singh, “Hybrid clustering algorithm and Neural Network classifier for satellite image classification”, International Conference on Industrial Instrumentation and Control (ICIC) College of Engineering Pune, India , May 28 to 30, 2015.
5. B.Suresh Kumar, D. Varun Raj, S.Praveena, “Performance of BLDC motor for Enhancing the response of Antenna’s positioned using PI Controller” , Innovations in Electronics and Communications Engineering, Springer Lecture Notes
6. K.Jaya Sankar, M.V. Ramana Murthy, S. Praveena,” Design of an IoT sensors Expert System for Identification of Naturally Ripened Mango”, National Conference on “Commercial Crops Processing and Value Addition”, August 10-11,2019, IET, Tripura

Research & Consultancy:

1. Involved and developed software for Consultancy Project – “Video Based Product Assembly Tracking”-Under the Guidance of Dr.P.V. Ramana, R&D Director, MGIT- Oreimi, Singapore

No. of Books/Chapter Published with details:

1. S.Praveena. Satellite Image Clustering And Classification ISBN: 3659830968
2. Dr.S.Praveena,Image Clustering And Classification Using Optimization, ISBN:3659920673

Events Organized:

FDPs/STTPs:

1. Co-Coordinator for Two Week FDP on “Recent Trends in IoT Using Embedded Systems” organized in two slots during 07- 19 December 2020 and 01 – 13 February 2021

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. One day online work shop on “Social Responsibility and Community Engagement” conducted by School of Management Studies, Mahatma Gandhi Institute of Technology, Hyderabad on 17-06-2020.
2. One-week online webinar series during 20th to 25th July 2020

Events Attended

FDPs/STTPs:

1. ATAL- FDP One Week online FDP on “Hyper spectral remote sensing and its applications”, CMR Institute of Technology, 6-09-2021 to 10-09-2021
2. ATAL-FDP One Week online FDP on “Deep Learning for Audio and Speech Processing”, KLE Technological University, , 26-7-2021 to 30-7-2021A
3. ATAL-FDP on “Block Chain”, JNTUA College of Engineering, Pulivendula, 20-4-2020 to 24-4-2020
4. FDP on “Online College Management & Online content Creation tools”, Lala Lajpat Rai college of Commerce & Economics and University of Mumbai with North Storm Academy, 30-4-2020 to 2-5-2020
5. One week FDP on “Overcoming Challenges in Adapting online Technology”, Jhulelal Institute of Technology, 6-05-2020 to 11-05-2020A
6. One-week STTP on “MATLAB based teaching-learning in Mathematics, Science and Engineering”, Ramarao Adik Institute of Technology, Mumbai, 18-05-2020 to 22-05-2020A
7. One Week FDP on “Artificial Intelligence”, NIT Warangal, 08-06-2020 to 12-06-2020
8. One Week FDP on “Research opportunities in Image Processing and Machine Learning”, CBIT, Hyderabad, 29-06-2020 to 3-07-2020
9. 10 Day FDP on “Artificial Intelligence & Machine Learning Using Python” , Finland Labs, 18-05-2020 to 27-05-2020
10. One week TEQIP-III FDP on “Signal, Image & Video Processing”, Government College of Engineering, ARAD, 26-05-2020 to 30-05-2020
11. AICTE Sponsored FDP on “Research Trends in Image and Video Processing”, MGIT, Hyderabad, 4-12-2017 to 16-12-2017
12. E & ICT, NITW FDP on “RF Antenna Design”, MGIT, Hyderabad, 19-06-2017 to 24-06-2017
13. FDP on “Recent Trends in Digital Image and Video Processing”, MGIT, Hyderabad, 22-2-2016 to 27-02-2016

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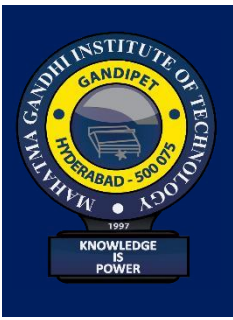
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14. One Week FDP on “Digital Design Using Verilog and VHDL”, MGIT, Hyderabad, 14-12-2014 to 19-12-2014
15. Two-week FDP on “Entrepreneurship”, MGIT, Hyderabad, 22-04-2013 to 04-05-2013
16. One Week ISTE - FDP on “Teaching Learning and Research in Engineering and Technology”, MGIT, Hyderabad, 30-7-2012 to 03-08-2012
17. Three-day workshop on “ECAD & VLSI Design”, MGIT, Hyderabad, 06-09-2012 to 08-09-2012
18. Three-day workshop on “National Convention for Academics and Research”, Mahindra Satyam, Hyderabad, 16-12-2010 to 18-12-2010
19. One day FDP on “Image Processing”, CBIT, Hyderabad, 12/10/2010

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. RC on “Human Rights”, Bharathiar University, Coimbatore, 24-05-2016 to 13-06-2016
2. RC on “Application of Rough sets in knowledge discovery and pattern recognition”, JNTU, Hyderabad, 17-06-2013 to 06-07-2013
3. “Orientation Course”, MANNU, Hyderabad, 09-05-2013 to 05-06-2013J
4. Webinar On “OBE Implementation & Academic Automation to achieve Excellence Leading to Accreditation Readiness through IonCUDOS, ION Idea on 6-04-2020
5. Webinar On “Gesture Recognition based AIR writing using OpenCV”, Pantech Solutions on 23-05-2020A
6. Webinar on “Clock domain crossing techniques & Clock gating design”, Pantech Solutions & MGIT, 14-06-2020

Online Certifications:

1. 12 Week NPTEL course on “Switching Circuits and Logic Design” -July - Oct 2019
2. 12 Week NPTEL course on “Mathematical Methods and Techniques in Signal Processing” -Jan-April 2019

Any Other Contribution:

1. Given Training on “Image Processing and Deep Learning” at Bharathforge Industry during Dec 2020-Jan 2021
2. Delivered guest lecture on “Transfer Learning using TensorFlow” in AICTE sponsored FDP, MGIT, ECE on 22-09-2020
3. Delivered guest lecture on “Deep learning for Industrial Applications” in webinar series, MGIT, ECE on 21-07-2020
4. Delivered guest lecture on “Clustering and Classification” in AICTE sponsored FDP, MGIT, ECE on 8/12/2017