



Mr. Saddala Praveen Kumar

B.Tech (ECE), M.Tech(SSP)

Assistant Professor

MIETE, MISTE.

Electronics & Communication Engineering

Areas of Interest:

- Signal Processing
- Digital Image Processing
- Digital Image Processing with machine learning
- Green Wireless Communication with Network Simulator

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Mr. S Praveen KumarÂ has obtained Bachelorâ€™s Degree in Electronics and Communication Engineering (ECE) from Jawaharlal Nehru Technological University, Hyderabad in 2007, Â Masterâ€™s Degree in Systems & Signal Processing (SSP) from Jawaharlal Nehru Technological University Hyderabad (JNTUH) in 2009. He has over 11 years of teaching and research experience in J.N.T.U. Hyderabad.

Mr. Praveen is working at JNTUH University College of Engineering Jagtial since July 2010, and he is currently Assistant Professor of ECE, NSS Programme Officer of JNTUH UCEJ, since December 2019.Â He has also beenÂ the Officer In-charge Academic Section (OAS) of JNTUH UCEJ during 2011-13 & 2021-22. He has about 16 research publications in various Journals and Conferences. He isÂ also the SC/ST Cell Coordinator for Students at JNTUH UCEJ.

His research interests include Signal Processing, Digital Image Processing, Digital Image Processing with machine learning and Green Wireless Communication with Network Simulator. He has guided several student for B.Tech and M.Tech. projects. He has participated in 18 weeks of Short-Term Training Programmes sponsored by AICTE / ASC-UGC / DST, India. He has organized various training programmes and symposia for Faculty and Students in the field of ECE. He is a Life Member of IETE and Indian Society for Technical Education (ISTE).

- ▶ Educational & Professional

- ▶ Academic Qualifications

- ▶ M.Tech in Systems and Signal Processing , JNTUH with I (2007-2009)

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B.Tech in ECE, JNTUH with I (2003-2007)

▶ Professional Experience

- ▶ Teaching Experience

- ▶ Assistant Professor, JNTUH CEJ (2010-07-07 - Till Date)

- ▶ At JNTUH

- ▶ Assistant Professor, JNTUH (2010 - Till Date)

- ▶ Publications

- **International Journals**

- ▶ S Praveen Kumar, *Dynamic Energy Efficient Midpoint based Routing Protocol for WSN*, International Journal of Advanced Science and Technology, ISBN No. 2005-4238, Vol No.29, Issue No.06, pp.1973-1985, April , 2020

- ▶ S Praveen Kumar, *CHAIN BASED HIERARCHICAL ROUTING PROTOCOL IN WIRELESS SENSOR NETWORKS*, Mukta Shabd Journal, ISBN No.2347-3150, Vol No.IX, Issue No.VI, pp.7840-7850, June, 2020

- ▶ S Praveen Kumar, *ENERGY EFFICIENT FAST FORWARDING (EEFF) PROTOCOL FOR CROSS LAYER DESIGNED IN WSN*, Dogo Rangsang Research Journal , ISBN No. 2347-7180 , Vol No.10, Issue No.06, pp.192-201, June, 2020

- ▶ S Praveen Kumar, Y.Raghavender Rao, *Rice Plant Disease Classification using Convolutional Neural Network*, Dogo Rangsang Research Journal, ISBN No. 2347-7180 , Vol No.10, Issue No.06, pp.233-244, June, 2020

- ▶ S Praveen Kumar, *Improve Scheduling and Energy Efficiency of WNS using Optimal Cluster Scheme*, Juni Khyat , ISBN No. 2278-4632, Vol No.10, Issue No.06, pp.276-285, June, 2020

- ▶ S Praveen Kumar, *Sink Placement for multihop Wireless Sensor Networks using Energy Efficient mechanism*, Dogo Rangsang Research Journal , ISBN No.2347-7180, Vol No.10, Issue No.06, pp.1-15, June, 2020

- ▶ Naluwala Udaycharan, S Praveen Kumar, *Energy Efficient Multipath Routing Protocol for Mobile AD-hoc Network using the Fitness Function*, Journal of Engineering Sciences , ISBN No.0377-9254 , Vol No.10, Issue No.12, pp.944-950, jes publications, December , 2019

- ▶ Salakala Soujanya, S Praveen Kumar, *Performance Improvement using COMB Pilot based MMSE OFDM*, International Journal of Research and Analytical Reviews , ISBN No.2348-1269, Vol No.06, Issue No.01, pp.973-979, February, 2019

- ▶ R Saisravan, S Praveen Kumar, *Analysis of Iterative Receiver for Flip-OFDM based RF System*, International Journal of Research and Analytical Reviews, ISBN No.N 2348-1269, Vol No.06, Issue No.01, pp.980-985, February, 2019

- ▶ P Pradeep, S Praveen Kumar, *INGENIOUS MAKING OF BUS TRACKING AND PARAMETERS MONITORING SYSTEM USING LPC2148*, International Journal of Management, Technology And Engineering, ISBN No. 2249-7455, Vol No.IX, Issue No.III, pp.185-190, March, 2019

- ▶ A Munender, S Praveen Kumar, *Energy-Efficient Clustering Algorithm for Wireless Sensor Network Using Mobile Agent*, THINK INDIA JOURNAL, ISBN No.0971-1260, Vol No.22, Issue No.14, pp.15891-15900, December, 2019

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International Conference

- ▶ S Praveen Kumar, *Modified Energy Efficient LEACH Protocol using NCNR Approach in Wireless Sensor Network*, International Conference on science Engineering and Tecchnology (ICSET), ISBN No.280320-7027 , pp.1-7, ISSRD, March, 2020
- ▶ S Praveen Kumar, *Energy Efficient Sink Placements with Mobile Data Aggregation in Wireless Sensor Network*, Online International Conference on "SMART MODERNISTIC ELECTRONICS AND COMMUNICATION", ISBN No.978-93-80831-43-5, pp.14-20, June , 2020
- ▶ S Praveen Kumar, *A study on Li-Fi the new technology in wireless communication*, ICIET-14, ISBN No.978-81-9258-823-0, pp.219-221, September, 2014

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National Conference

- ▶ S Praveen Kumar, *Gi-Fi next generation wireless technology*, NCRTST, ISBN No.978-99-3825-7052-3, pp.184-187, May, 2015
- ▶ S Praveen Kumar, *Framework wireless sensor nerwork applications*, NCACPR 2014, ISBN No.978-93-8303-817-6, pp.321-323, January, 2014

- ▶ Events Participated/Organized

- Participated

- ▶ Participated in a Training on *Optoelectronics and Optical Communication*, Indian Institute of Technology Guwahati (IITG), 16-09-2013 to 20-09-2013
- ▶ Participated in a FDP on *Medical Signal and Image Processing*, Indian Institute of Technology Roorkee (IITR), 15-07-2013 to 19-07-2013
- ▶ Participated in a Refresher Course on *Research Methodology*, JNTUH, 11-06-2012 to 30-06-2012

- ▶ **Teaching**

- ▶ Image and Video Processing in ECE (DSCE) I M.Tech I SEM (2016 -17)
- ▶ Embedded System Design in ECE (DSCE) I M.Tech II SEM (2018 - 19)
- ▶ Real Time Operating Systems in ECE (DSCE) I M.Tech I SEM (2018 - 19)
- ▶ Adhoc Wireless Networks in ECE (DSCE) I M.Tech II SEM (2016 -17)
- ▶ Internetworking in ECE (DSCE) I M.Tech I SEM (2016 -17)
- ▶ Adhoc Wireless Networks in ECE (DSCE) I M.Tech II SEM (2015 -16)
- ▶ Image and Video Processing in ECE (DSCE) I M.Tech I SEM (2015 -16)
- ▶ Digital System Design Lab in ECE II Year - I Sem (2020 - 21)
- ▶ Artificial Intelligence in ECE IV Year - I Sem (2020 - 21)
- ▶ Digital System Design in ECE II Year - I Sem (2020 - 21)
- ▶ Wireless Communications and Networks in ECE IV Year - I Sem (2019 - 20)
- ▶ Digital System Design Lab in ECE II Year - I Sem (2019 - 20)
- ▶ Digital System Design in ECE II Year - I Sem (2019 - 20)
- ▶ Analog and Digital Communications in ECE II Year - II Sem (2019 - 20)
- ▶ Linear IC Applications Lab in ECE III Year - I Sem (2018 - 19)
- ▶ Embedded Systems Design in ECE IV Year - I Sem (2018 -19)
- ▶ Microprocessors and Microcontrollers Lab in ECE III Year - II Sem (2017 -18)
- ▶ Microprocessors & Microcontrollers in ECE III Year - II Sem (2017 -18)
- ▶ Switching Theory and Logic Design in ECE II Year - II Sem (2017 -18)
- ▶ Cellular & Mobile Communication in ECE IV Year - I Sem (2017 -18)
- ▶ Pulse & Digital Circuits in ECE II Year - II Sem (2016 -17)
- ▶ Electronic Devices and Circuits Lab in ECE II Year - I Sem (2016 -17)
- ▶ Switching Theory and Logic Design in ECE II Year - I Sem (2016 -17)
- ▶ Digital Signal Processing in ECE III Year - II Sem (2015 -16)
- ▶ Basic Simulation Lab in ECE II Year - I Sem (2015 -16)
- ▶ Signals & Systems in ECE II Year - I Sem (2015 -16)

- ▶ **Administrative Positions Held**

- ▶ NSS Programme Officer, JNTUH CEJ, 07 Dec 2019 - Present
- ▶ Officer In-charge Academic Section (OAS), JNTUH CEJ, 04 Jan 2021 - Present
- ▶ SC/ST Cell Officer In-charge, JNTUH CEJ, 05 Feb 2019 - Present
- ▶ Hostel Manager, JNTUH CEJ, 28 Apr 2017 - 11 Feb 2019
- ▶ Dy Warden for Boys Hostel, JNTUH CEJ, 07 Jan 2015 - 27 Apr 2017
- ▶ Officer In-charge Academic Section (OAS), JNTUH CEJ, 10 Nov 2011 - 18 Sep 2013

- ▶ **Countries/Foreign Universities**

- ▶ Bangkok University, Bangkok , 22-06-2015 to 25-06-2015 Knowledge Sharing

- ▶ **Others**

- Contributed in the conduct of various state level entrance exams as an **Enforcement officer/ Special Observer.**
- Entrance exams result processing as a Confidential Team member.
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Contact :

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Electronics & Communication Engineering

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