

PROFILE

SWETHA

Assistant Professor and Coordinator
Department of Electronics
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Educational Qualification

- M.Sc. in Electronic Science from Bangalore University, Bangalore
- Qualified UGC NET for JRF & LS : 1. UGC-NET 24th December 2011 for JRF & LS
2. UGC-NET 24th June 2012 for LS

Achievements

- **2nd Rank** in M. Sc. Electronic Science Examination.

Teaching Experience: 3 years

- Currently working as Assistant Professor in the department of Electronics, Karnataka State Women's University, Bijapur from February 2014.
- Worked as a Lecturer at Bangalore City College, Bangalore at PG level from May 2011 to March 2012.
- Worked as a Lecturer at St. Josephs College of Arts and Science, Bangalore at UG level from January 2010 to April 2011.

Research Experience: 2 years

- Worked as UGC Junior Research Fellow from June 2012 to January 2014.
- Pursuing Ph. D. under the guidance of Dr. J. T. Devaraju, Associate Professor, Dept. of Electronic Science, Bangalore University, Bangalore.

Administrative Experience

- Serving as Coordinator, Department of Electronics, Karnataka State Women's University, Bijapur from 05.05.2014 to till date.

Papers published in Journals

1. Mohankumar N. M., **Swetha**, Mohana H.K and Devaraju J. T, “*Effect of Adaptive Modulation and Coding Schemes on Scheduling Algorithms for LTE Downlink* ”, International Journal of Software & Hardware Research in Engineering (IJSHRE), Vol. 2 , Issue-6, June 2014, ISSN: 2347 – 4890, Pp(s):53-58.
2. **Swetha**, Mohankumar N. M. and Devaraju J. T, “*Performance Study of Round Robin and Proportional Fair Scheduling Algorithms by Emulation for Video Traffic in LTE Networks*”, International Journal of Computer Applications (IJCA), International Conference on Current Trends in Advanced Computing (ICCTAC), May 2013, ISSN: 0975 – 8887, Pp(s):6-9
3. **Swetha**, Mohankumar N M and Devaraju J T, “*Performance Study of Proportional Fair Scheduling Algorithm with Transmit Diversity Multi-Antenna Technique for LTE Network*”, International Journal of Electrical, Electronics and Data Communication (IJEEDC), Vol.1, No.9, Nov-2013, ISSN: 2320-2084, Pp(s):67-69
4. **Swetha**, Mohankumar N M and Devaraju J T, “*Performance Evaluation of Round Robin and Proportional Fair Scheduling Algorithms for Constant Bit Rate Traffic in LTE*”, IRACST – International Journal of Computer Networks and Wireless Communications (IJCNWC), Vol. 3, No. 1, February 2013, ISSN: 2250-3501, Pp(s): 41-45
5. Mohankumar N. M, **Swetha** and Devaraju J. T, “*Performance Evaluation of Multi Antenna Techniques in LTE*”, International Journal of Mobile Network Communications & Telematics (IJMNCT), Vol. 2, No. 4, August 2012, ISSN: 1839-5678, Pp(s): 97-105

Conferences

1. Mohankumar N. M, **Swetha**, Mohana H.K and Devaraju J. T, “*Throughput and Fairness Performance Evaluation of Scheduling Algorithms for Downlink LTE*”, Presented in JNANARJANA 2K14, 6th National Science Conference on “Beyond the frontiers in Science & Technology”, held on 27th-28th March 2014, organized by The Oxford College of Science, Bangalore and published in proceedings, Pp(s):55-60.
2. Mohankumar N. M, **Swetha**, Mohana H.K and Devaraju J. T, “*A Performance Evaluation of Different Scheduling Algorithms with AMC for Downlink LTE*”, Presented in National Conference on Recent Trends in Electronics and its Applications (NCRTEA-2014), held on 14th-15th March 2014, organized by Dept. of Electronics, GFGC, K.R. Pura, Bangalore, and published in proceedings, Pp(s):88-92.
3. **Swetha**, Mohankumar N. M and Devaraju J. T, “*Emulation Study of Round Robin and Proportional Fair Scheduling Algorithms For Video Traffic In LTE Networks*”, Presented in International Conference on Current Trends in Advanced Computing (ICCTAC), held on 20th-21st February 2014, organized by Kristu Jayanti College of

Management and Technology, Bangalore, Karnataka, India and published in proceedings, Pp(s):25-28

4. **Swetha**, Mohankumar N M and Devaraju J T, "*Performance Study of Scheduling Algorithms in LTE*", Presented at the State Level Conference on "*Science and Technology Challenges for Promoting Innovative Research and Development*" jointly organized by Karnataka Science and Technology Academy (KSTA) and Christ University held on 20-21 December 2013 at Christ University, Bangalore, Karnataka.
5. **Swetha**, Mohankumar N M and Devaraju J T, "*Performance Study of Proportional Fair Scheduling Algorithm with Transmit Diversity Multi-Antenna Technique for LTE Network*", Presented at the "International Conference on Electrical, Electronics and Data Communication (ICEEDC)" held on 10th November 2013 at Pune and published in Proceedings of 7th IRAJ International Conference. ISBN: 978-93-82702-38-2, Pp(s): 69-71.