Rajesh G

ⓘD 0000-0002-8404-3846
rajeshgnitk@gmail.com
(+91) 9400321566
Thrissur, Kerala

CAREER OBJECTIVES

To use the best of my professional ability, analytic skills and techniques the area of Education to enhance my knowledge as well as contribute to my institution to the best of my potential. With my administrative and institutional abilities, I would also work diligently to perform the administrative responsibilities of the institution.

WORK EXPERIENCE (Total 5 years)

NEHRU COLLEGE OF ENGG. & RESEARCH CENTRE, *Lecturer*　　　Aug 2010 - Nov 2011
Courses handled: *Signals and Systems, Advanced Digital Communication, Linear Integrated Circuits Lab, Analog Communication Lab*
Responsibilities: *Department Coordinator*

NATIONAL INSITUTE OF TECHNOLOGY GOA, *Faculty (on contract)*　　Jan 2012 - May 2012
Courses handled: *Elements of Electronics and Communication Engineering*

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT, *Adhoc Faculty*　　Jul 2012 - May 2013
Courses handled: *Basic Electrical Sciences, Digital Communication Lab*

JAWAHARLAL COLLEGE OF ENGG. & TECHNOLOGY, *Asst. Professor*　Sep 2013 - June 2016
Courses handled: *Communication Engineering, Digital Signal Processing*
Responsibilities: *IEEE Student Branch Counselor*

GOVERNMENT ENGINEERING COLLEGE THRISSUR, KERALA, *Guest Faculty*　　Jan 2022 -
Courses handling: *Advanced Digital Communication, Wireless Sensor Networks*

EDUCATION

PH.D. (Thesis submitted on 31/12/2021)　　　　　　　　　　Jul 2016 - Dec 2021
Department of ECE, National Institute of Technology Karnataka, Surathkal
Thesis Title: *Correlation Analysis and Tensor Data Modeling in Multimodal Environmental Wireless Sensor Networks*
Research Area: *Statistical Signal Processing and Tensor Decomposition*

MASTER OF ENGINEERING (ME - COMMUNICATION SYSTEMS)   July 2008 - June 2010
PSG College of Technology, Coimbatore
CGPA: *7.83*
Project Title:*Design of Multicarrier Power Amplifier for Wireless Systems*

BACHELOR OF TECHNOLOGY (B.TECH - ECE)   July 2002 - June 2006
Government Engineering College, Thrissur
Percentage: *58.23%*
Main Project Title: *Voice Controlled Wheelchair*

PUBLICATIONS

- G. Rajesh and A. Chaturvedi, "Correlation Analysis of Multimodal Sensor Data in Environmental Sensor Networks," 2019 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), 2019, pp. 1-6, doi: 10.1109/ANTS47819.2019.9118157.

- Rajesh, G., and Ashvini Chaturvedi. "Correlation analysis and statistical characterization of heterogeneous sensor data in environmental sensor networks." Computer Networks 164 (2019), doi: 10.1016/j.comnet.2019.106902.

- G. Rajesh and A. Chaturvedi, "Data Reconstruction in Heterogeneous Environmental Wireless Sensor Networks Using Robust Tensor Principal Component Analysis," IEEE Transactions on Signal and Information Processing over Networks, vol. 7, pp. 539-550, 2021, doi:10.1109/TSIPN.2021.3105795.

- Rajesh G, P Sampath, K Gunavathi, "CMOS power amplifier for wireless systems", Proceedings of National Symposium for Post Graduate Students (NSPGS 2010), pp. 464–468, 2010.

ACADEMIC ACHIEVEMENTS

- Score 414 in GATE 2008, 472 in GATE 2011, 489 in GATE 2016.

- Faculty for GATE in Government Engineering College, Thrissur (Signals and Systems) and College of Engineering , Thalassery (Networks, Signals and Systems) from 2013 to 2016.

- "Elite" qualified with a score of 85% in the NPTEL online certification course on Principles of Signals and Systems, Jan - Apr 2018.

- Organized two-day workshop on "Android application development" in October 2015 at Jawaharlal College of Engineering and Technology.

- Organized a Faculty Development Program on on "Internet of Things" in June 2016 at Jawaharlal College of Engineering and Technology.

- IEEE Student branch councelor in Jawaharlal College of Engineering and Technology.

SKILLS AND MEMBERSHIPS

- MATLAB, Python.
- Memberships in IEEE, ISTE.

PERSONAL DETAILS

Date of birth   : 05/06/1983
Religion/Caste   : Hindu/Brahmin
Permanent Address   : RNRA House No.35, Ram Nagar 1st Street, Punkunnam, Thrissur, Kerala-680002

REFERENCES

Dr. Ashvini Chaturvedi
Professor and Head
Department of ECE
National Institute of Technology Karnataka
email: ashvini@nitk.ac.in

Dr. Muralidhar Kulkarni
Professor (HAG)
Department of ECE
National Institute of Technology Karnataka
email:mkul@nitk.edu.in