Dr. Jayanthi Kumari T R

PROFESSOR

DEPARTMENT OF ECE

PROFILE

CONTACT & LINKS

- Dedicated & Committed Faculty in Department of ECE, with 28 years of experience in teaching UG & PG Students.
- Subjects Handled: Control system, Digital signal system, Information theory and coding, Analog Circuits, Mechatronics.
- Skills: Organizer, Good Communicator/Speaker, Ability to adopt new technologies

Email ID:
trjayanthikumari@gmail.com

EDUCATIONAL QUALIFICATIONS

PROFESSIONAL EXPERIENCE

B.E-SIT, Tumkur- 1997
M.Tech - BMSCE, Bangalore-2006
Ph.D- VTU,Belagavi-2017

Teaching Experience: 23 years
Research Experience:5
Total: 28 years

INSTITUTION/DEPARTMENT RESPONSIBILITIES

RESEARCHAREA/SPECIALISATION/ RESEARCH GRANTS/ PROJECTS IF ANY

- Research co-ordinator
- Project co-odinator
- Class teacher
- NBA Co-ordinator
- Mentor
- Lab in charge
- DAC

Specialization: Signal Processing
Research Interest: Speech processing, Image processing, Adaptive signal Processing.

ACHIEVEMENTS/ACCOMPLISHMENTS/AWARDS/RECOGNITION/GUEST LECTURES DELIVERED

- Nominated as a reviewer in International Journal of Speech Technology.

- One day workshop on Advanced Technologies in VLSI Design and Telecommunication – 21st March, 2014 organized at VVIT, Bangalore.

- One day workshop on Signal Processing and Its Applications – 13th March, 2015 organized at VVIT, Bangalore.

- International Multi Conference on Innovation in Engineering and Technology (IMCIET 2015), 15th – 17th December 2014 organized at VVIT, Bangalore

- Second International Conference on Digital Image and Signal Processing, 5th – 7th November, 2015 at VVIT, Bangalore.

- Session Chair for 2nd International Conference on Communication Networks and Signal Processing organized by Society of Information Processing and VVIT, Bangalore.

- Cultural and Sports coordinator in VVIT for the Academic year 2014-2015 and 2015-2016.

Certificate Course on Foundations of Image Processing and Pattern Recognition organized by PESSE from 13th to 22nd July, 2009.

PUBLICATIONS/PATENTS/BOOKS	ASSOCIATION WITH PROFESSIONAL BODIES

Conferences

- **Jayanthi Kumari** T. R.and H. S. Jayanna., "Speaker verification Comparison between GMM and GMM-UBM under limited data condition," proc. ICECIT-2013 (Elsevier), pp. 43-50, Tumakuru, Karnataka, India, Nov-2013.

- **Jayanthi Kumari T. R** and H. S. Jayanna., "Comparison of LPCC and MFCC features   and GMM and GMM-UBM modeling for Limited Data Speaker Verification," proc.   IEEE ICCIC-2014, pp. 818-823, Coimbatore, Tamilnadu, India, Dec. 2014.

- Madhumathi and **Jayanthi Kumari T. R**., "The Design of Radio Receiver using OCF Antenna," International conference on communication and computing (ICC 2015), July 2015.

- **Jayanthi Kumari T. R**. and H. S. Jayanna., "Limited Data Speaker Verification using MFSR Analysis Technique," proc. IEEE ITACT 2015, pp. 177-182,   Bangalore, Karnataka, India, Dec-2015.

- **Jayanthi Kumari T. R.** and H. S. Jayanna., "Combination of System and Source Characteristics for Speaker verification under Limited Data condition," Proc. IEEE CSPA2016),   pp. 157-161, Melaka, Malaysia, March 2016.

- **Jayanthi Kumari T. R** and H. S. Jayanna., "System source and dynamic features for speaker verification for limited data condition," Proc. IEEE WiSPNET 2016, pp. 1458-

- Life-time member of ISTE

1461, India, March 2016

- Anjali B. S, Balaji N and **Jayanthi Kumari T. R**., "A Weapon, Head movement controlled, Auto aiming and Trigger system for rapidly deployable armed Support robots," National conference on recent trends in Electronics and Communications (NCRTEC-2016), Bangalore, Karnataka, India, May 2016.

Journals

- Madhumathi and **Jayanthi Kumari T. R**., "The implementation of software defined radio receiver using a simple OCT antenna," International journal for Research in Applied Science and Engineering Technology, vol. 3, May-2015 (got best paper award).

- **Jayanthi Kumari T. R** and H. S. Jayanna., "Limited Data Speaker Verification: Fusion of Features," Journal of Electrical and Computer Engineering", vol. 7, no. 6, 2017. (Scopus Indexed)

- **Jayanthi Kumari T. R** and H. S. Jayanna., "Speaker verification under the constraint of limited data," Journal of Information Processing System (JIPS)", 14, no. 4 (2018): 807-823.. (Scopus Indexed)

- **Jayanthi Kumari T. R** and H. S. Jayanna., "i-Vector-Based Speaker Verification on Limited Data Using Fusion Techniques,", Journal of Intelligent Systems 29.1 (2018): 565-582

- **Jayanthi Kumari T. R** and H. S. Jayanna., "Combination of different features for speaker verification under limited data condition," A review," Revised and Resubmitted to International Journal of Computer Vision and signal Processing (IJCVSP). (Scopus Indexed)

- **Jayanthi Kumari T. R** and H. S. Jayanna., "Score Level Fusion of Different Modelling Techniques for Limited Data Speaker Verification," Communicated to international Journal of Signal and Imaging Systems Engineering (IJEEI), Jan 2016 2016, July 2016. (Scopus Indexed)

PROFESSIONAL COURSES COMPLETED