CURRICULUM VITAE

Dr. Bhanu Priya
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Research Interests

- Speech and audio signal processing
- Stressed speech processing
- Speech based emotion recognition and classification
- Signal processing

Academic Qualification

Degree	Field of Study	Institute	Year of Passing	CGPA/ Percentage
Doctor of Philosophy (Ph. D.)	Electronics and Electrical Engineering	Indian Institute of Technology (IIT), Guwahati	2018	7.05
B. Sc. Engineering	Electronics and Communication Engineering	Maulana Azad College of Engineering and Technology (MACET), Patna	2010	76%

Employment and Position

Institute	Place	Position	Department	Duration
Bundelkhand Institute of Engineering and Technology	Jhansi, Uttar Pradesh	Assistant Professor (Under Technical Education Quality Improvement Programme (TEQIP) - III)	Electronics and Communication Engineering	3 Years (1 October, 2018 to 30 September, 2021)

Research Project

Project Title	Funding Agency	Principal Investigator (PI)/ Co-Principal Investigator (Co-PI)	Amount (Lakhs)	Duration	Status
Speech Biometric Based Student Authentication System	Technical Education Quality Improvement Programme (TEQIP) – III, Collaborative Research Scheme (CRS)	Principal Investigator (PI)	8.43	2019-2021	Completed

Short Term Course and Workshop Organized

Type	Title	Sponsored	External Funding in Rs.(Lakh)	Time Duration	Place
Short Term Course	Artificial Neural Network	Technical Education Quality Improvement Programme (TEQIP) - III	1.5	5 Days (22 August, 2020 to 26 August, 2020)	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Workshop	Industry-Institute Interaction Workshop on Interactive Learning Pedagogy in Electronics Engineering with Modern Simulation Tool (TaraNG-19.10)	Technical Education Quality Improvement Programme (TEQIP) - III	1	2 Days (27 September, 2019 to 28 September, 2019)	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh

Publications

Referred Journal:

- B. Priya and S. Dandapat, "Subspace filtering approach based on orthogonal projection for better analysis of stressed speech under clean and noisy environments," International Journal of Speech Technology, pp. 1-12, 2016.

Conference Proceedings:

- Bhanu Priya and Julie Devi. "ANALYSIS OF STRESSED SPEECH USING PLACE OF ARTICULATION BASED PHONEME". Recent Trends in Electrical, Electronics & Communication Engineering (RTEECE). Feb 2019.

- Julie Devi and Bhanu Priya. "Analysis of PCF for Different Optical Properties". Recent Trends in Electrical, Electronics & Communication Engineering (RTEECE). Feb 2019.

- B. Priya and S. Dandapat, "A subspace projection based approach to improve the recognition of stressed speech," in 2016 IEEE Annual India Conference (INDICON), Dec 2016, pp. 1-7.

- B. Priya and S. Dandapat, "Sparse representation of lpc for analysis of stressed speech in lower dimensional subspace," in 2016 IEEE Region 10 Conference (TENCON), Nov 2016, pp. 661-666.

- B. Priya and S. Dandapat, "Stressed speech analysis using sparse representation over temporal information based dictionary," in Annual IEEE India Conference (INDICON), Jamia Millia Islamia, New Delhi, India, Dec. 2015.

- B. Priya and S. Dandapat, "Linear transformation on speech subspace for analysis of speech under stress condition," in National Conference on Communications (NCC), Mumbai, India, Feb. 2015.

- B. Priya and S. Dandapat, "Stressed speech recognition using similarity measurement on inner product space," in Advances in Communication and Computing. Springer, 2015, pp. 161-170.

Courses Taught

Course Title	Level (UG/PG)	Branch	Institute
Advance Digital Signal Processing	PG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Digital Communication	PG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Artificial Neural Network	UG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Digital Signal Processing	UG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Digital Electronics	UG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Emerging Domain in Electronics Engineering	UG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh

Laboratory Classes Conducted

Name of Laboratory	Level (UG/PG)	Branch	Institute
Digital Signal Processing	UG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Digital Electronics	UG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh
Electronics Engineering	UG	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh

Academic Responsibility

- Responsibility of institute level criteria of governance, institutional support and financial resources for the NATIONAL BOARD OF ACCREDITATION (NBA) and SELF ASSESSMENT REPORT (SAR) at Bundelkhand Institute of Engineering and Technology, Jhansi Uttar Pradesh in academic session 2019-2021.

- Office-in-charge for various laboratory subjects in the Department of Electronics and Communication Engineering at Bundelkhand Institute of Engineering and Technology, Jhansi Uttar Pradesh in academic session 2019-2020.

- Faculty Mentor for the B. Tech students in the Department of Electronics and Communication Engineering at Bundelkhand Institute of Engineering and Technology, Jhansi Uttar Pradesh in academic session 2019-2020.

Under Graduate Dissertation Guided

Title of Project	Department	Institute	Year
HEALTHCARE SYSTEM BY EMPLOYING IOT	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh	2021
Home Automation Using MATLAB	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh	2021
MONITORING SYSTEM FOR GARDEN USING ESP8266	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh	2020
Modified Binary Multiplier Circuit Based on Vedic Mathematics	Electronics and Communication Engineering	Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh	2020

Recommenders

- Prof. Samarendra Dandapat
  Department of Electronics and Electrical Engineering
  Indian Institute of Technology Guwahati
  Guwahati, Assam
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- Prof. D.K. Srivastava
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