


Department of Electronics and Telecommunication Engineering				
Name	Dr. Pranali C Choudhari Associate Professor			
Date of Birth	24/05/1978			
Education Qualifications	UG	PG	PhD	
	BE EXTC Cummins College of Engineering, Pune	MTech (Communication and Signal Processing), IIT Bombay	PhD (Electronics) V.J.T.I., Mumbai	
Work Experience	Teaching	Research	Industry	Others
	23 years	12	09 months	--
Area of Specialization	Signal Processing , Biomedical Instrumentation, Embedded systems , Internet of Things			
Courses taught	<ul style="list-style-type: none"> • Discrete Time Signal Processing, • Internet of Things • Modern Digital Signal Processing and Applications • Signals and Systems • Microprocessor and Peripherals, • Wavelets • Analog and Digital Circuits • Electronic Instrumentation and Control systems • Simulation 			
Research guidance (Number of Students)	Under Graduate projects	26 groups		
	Masters	07		
	Ph.D (Completed / Thesis Submitted / Ongoing)	01 Completed 04 Ongoing		
External Fund Received	<ol style="list-style-type: none"> 1. Consultant for the Project on “Assessment of Bone Mineral Density” with Trish-I Pvt Ltd , IIT Mandi during the year 2022-23. 2. Received a Minor Research Grant from University of Mumbai worth Rs. 1,03,000/-University Grant Ref No: 			

	<p>APD/237/351 of 2014 dated 13th October 2014) Diagnosis of cardiovascular disease using impedance cardiography, Rs,45,000</p> <p>3. University Grant (Ref No.APD/237/429 of 2017 dated 16 th January 2017 Research Project number 536). Diseases diagnostic system using Photo plethysmography.”, Rs,18,000</p> <p>4. University Grant (Ref No. APD/ICD/2019-20/ 762 dt. 17/03/2020) Research Project number 1110), “Real Time Detection of Branch retinal Vein Occlusion.”, Rs,40,000/-</p> <p>5. Received grant of Rs. 16923/- from Fr. C. Rodrigues Institute of Technology, under the RND budget for the project titled “Thought to text Conversion “ during the academic year 2019-20</p>		
Patent (Filed / published / Granted) details	Filed : 01		
No. of papers published in National/International Journals/Conferences	International Journals 17	International Conferences 27	National Conferences 02
Research Publications (No. of papers in National/International Journals / Conferences and No. of Books/ Book Chapters published	<p>Scopus/SCI indexed journals: 07 Peer reviewed / UGC journals: 10 IEEE/Springer conferences: 18 Books/Book Chapters: NIL Other International Conferences: 9 National Conference: 02</p>		
Projects Carried out	<p>1. Collaborative Project on 2D and 3D Image Mosaicing of Microscopic Images at BARC, Mumbai (2023-24)</p> <p>2. Collaborative Project “Integrated Biometric Authentication for Drone Operation” at Indrones Solutions Pvt. Ltd.(2023-24)</p> <p>3. Consultant for the Project on “Assessment of Bone Mineral Density” with Trish-I Pvt Ltd , IIT Mandi during the year 2022-23.</p>		
Awards	Research Excellence (Faculty-Regional) category, at the IEI NMLC FCRIT Excellence Award 2024.		
Other major responsibilities	<ul style="list-style-type: none"> • Associate Dean (Admin & Faculty) • Asst. HoD : EXTC dept. • Faculty Incharge of ECO-Club and Green Club at Institute level • Convenor : IoTCoE at EXTC dept 		

	<ul style="list-style-type: none">• Development of Innovation and Product Development Centre at Fr. C.R. I. T., Vashi• BoS member at Fr CRCE, Bandra• Reviewer of Environmental Science and Pollution Research (Springer)• Reviewer for IEEE Journal of Biomedical and Health Informatics• Reviewer for International Journal for Numerical Methods in Biomedical Engineering, Wiley Journals
--	---

Place- Vashi

Date – 26-02-2025

Dr. Pranali C. Choudhari