


## Department of Electronics and Telecommunication Engineering

<b>Name</b>	<b>Ms. Manita Rajput</b>			
<b>Date of Birth</b>	17/10/1981			
<b>Education Qualifications</b>	<b>UG</b>	<b>PG</b>	<b>PhD</b>	
	EXTC	EXTC	Ongoing	
<b>Work Experience</b>	<b>Teaching</b>	<b>Research</b>	<b>Industry</b>	<b>Others</b>
	21 years	10 years	6 months	—
<b>Area of Specialization</b>	Wireless Communication, Security in IoT			
<b>Courses taught</b>	<ol style="list-style-type: none"> <li>1. Mobile Communication</li> <li>2. Wireless Networks</li> <li>3. Principles of Communication Engg.</li> <li>4. Television and video</li> <li>5. Electrical networks</li> <li>6. Control Systems</li> <li>7. Electronic Devices and Circuits</li> <li>8. Industrial Internet of Things</li> <li>9. Web Design (HTML, CSS, Javascript, PHP)</li> <li>10. Optical fibre Communication (M.E)</li> </ol>			
<b>Research guidance (Number of Students)</b>	<b>Under Graduate projects</b>	<b>20 groups</b>		
	<b>Masters</b>	<b>2</b>		
	<b>Ph.D (Completed / Thesis Submitted / Ongoing)</b>	<b>Nil</b>		
<b>External Fund Received</b>	Name of the Project: Material modelling for RAM Total sanctioned amount: Rs. 7,07,1000/- Sanctioning body: NMRL, DRDO Year of sanctioning: 2019—2021			

	<p>Specifications: Used Ansys HFSS, C programming, Excel VBA to develop a GUI based material modeller which would predict the <math>\mu</math> and <math>\epsilon_p</math> of composite materials made of Iron, Ferrite and Rubber in any filler percentage.</p> <p>Name of the Project: Smog monitoring and Alert system using Wireless Sensor Networks  Total sanctioned amount: Rs. 30,000/-  Sanctioning body: University of Mumbai  Year of sanctioning: 2018—2019  Specifications: The project was to build a WSN which sensors smog and other pollutants, measures and compares with a threshold value and alerts the residents if the pollutants are rising at an alarming level.</p> <p>Name of the Project: Wireless sensor network based smart home with object locating system for old age population  Total sanctioned amount: Rs. 45,000/-  Sanctioning body: University of Mumbai  Year of sanctioning: 2014—2015  Specifications: Wireless Sensor based Smart home system provides a safe, sound and secure living environment for elderly people. The object locating feature helps to find objects that old people may usually misplace and keep searching for. The project is based on few intelligent sensors which are fabricated and configured in wireless ad hoc network. The system will generate warning message for the older people as well as the caregiver, when any abnormal condition occurs. Objects required on a day-to-day basis such as keys, walking sticks are made smart with Zigbee modules so that the user can track the exact location of the object.</p>		
<b>Patent (Filed / published / Granted) details</b>	NIL		
<b>No. of papers published in National/International Journals/Conferences</b>	<b>National/International Conference</b>  16	<b>National Journals</b>  NIL	<b>International Journals</b>  8
<b>Research Publications (No. of papers in National/International Journals / Conferences and No. of Books/ Book Chapters published</b>	<b>Scopus/SCI indexed journals: 8</b> <b>Peer reviewed / UGC journals: Nil</b> <b>IEEE/Springer conferences: 2</b> <b>Books/Book Chapters: 2</b> <b>Other International Conferences: 10</b> <b>National Conference: 2</b>		
<b>Projects Carried out</b>	Successfully completed a material modelling based project which was a team work with Dr. Aiyer, Dr. Megha Kolhekar and NMRL, DRDO scientists.		

	<p>Successfully completed Btech project work from B.A.R.C, in the year 2003. Project Guide: Prof. R.K.JAKATI. Project topic: SMART AND INTELLIGENT RADIATION MEASURING INSTRUMENT.</p> <p>Successfully completed M.E project work in the year 2013. Project guide :Prof. Sadhana Pai. Project topic : Remote Patient monitoring using GSM technology.</p>
<b>Other major responsibilities</b>	_____