

# Dr. Dileep Reddy Bolla

Associate Professor

Electronics & Communication Engineering  
Sri Venkateshwara College of Engineering,  
Vidyanagar, Bengaluru - 562157



Sl. No	Particulars	Details		
1	Educational Qualification	Degree	University	Specialization
		B.E.	J.N.T.U ,Hyderabad	E&CE
		M. Tech	Sathyabama University Chennai	Embedded Systems
		Ph.D.	V.T.U, Belagavi	Wireless Communications
2	DOB	31-08-1988		
3	Work Experience	Teaching	10 Years	
		Research	5 Years	
		Industry	6 months	
		Others	NA	
4	Area of Interest	Wireless Communications, Cognitive Radio Networks,5G,IoT		
5	Subjects Taught	UG	<ul style="list-style-type: none"><li>✓ Basic electronics (ELN)</li><li>✓ Analog Electronics and Circuits (AEC)</li><li>✓ Logic Design (LD)</li><li>✓ Microcontrollers (<math>\mu</math>C)</li><li>✓ Computer Communication Networks (CCN)</li><li>✓ Digital communication (DC)</li><li>✓ DSP Algorithms and Architecture (DSPA&amp;A)</li><li>✓ Computer Communication Networks (CCN)</li><li>✓ Embedded Systems Design (ESD)</li><li>✓ Wireless Communications (WC)</li><li>✓ Digital Switching systems (DSS)</li><li>✓ Network Security (NS)</li><li>✓ ARM and Embedded Systems (ARM)</li><li>✓ VLSI Design (VLSI)</li><li>✓ Computer Organization &amp; Architecture (CoA)</li><li>✓ Internet of Things (IoT)</li><li>✓ Wireless Communications (WC)</li></ul>	

		<b>PG</b>	<ul style="list-style-type: none"> <li>➤ MSP430 Microcontrollers</li> <li>➤ Wireless Sensor Networks</li> </ul>		
<b>6</b>	<b>Research Guidance</b>	<b>Masters</b>	01		
		<b>Ph.D.</b>	--		
		<b>Ph.D. produced</b>	--		
<b>7</b>	<b>Awards</b>	Received <b>Best paper Award</b> for paper Entitled <b>Wireless Monitoring of Prepaid Energy Meter</b> ”, Proceedings of International Conference on Networks, Information and Communications, SVCE, BANGALORE, Elsevier Science and Technology Publications, ISBN: 9789351072607, pp: 33-39, 10-12, July 2014.			
<b>8</b>	<b>Patents Applied</b>	Initiated Patent for "Smart Home Appliance using IoT" under the Principle Investigator Dr. Shivashankar, Professor & Head, Department of E&CE, SVCE, Bengaluru, Karnataka, India.			
<b>9</b>	<b>Publications</b>	<b>International Journals &amp; Conferences</b>	<b>National Conferences</b>	<b>Book Chapters</b>	
		Journals : 09 Conferences : 18	Nil	Nil	
<b>10</b>	<b>Grants Received</b>	<b>Funds Received</b> <ol style="list-style-type: none"> <li>1. Received KSCST Project Fund Received for the Academic Year 2018-2019: Project Reference No 42S_BE_1304 SWACHH ROBO: One's Cleanliness Identity Guided by Prof. Dileep Reddy Bolla</li> <li>2. Co-Principle Investigator for AICTE MODROBS: Modernization of Cloud Radio Access Network Applications Laboratory for 5G network with a research fund of Rs. 6,63,000/-</li> <li>3. Co-Principle Investigator for AICTE SAMRIDDI: Smart railway platform assists with a research fund of Rs. 9,63,000/-</li> <li>4. Co-Principle Investigator for AICTE-SPDP: Skill &amp; Personality Development. Programme with a research fund of Rs. 7,20,000/-</li> <li>5. Co-Principle Investigator for AICTE PRERANA: Programme Center for SC/ST Students Development with a research fund of Rs. 7,20,000/-</li> </ol>			

		<p>6. Co-Principle Investigator for AICTE PRERANA: Programme Center for SC/ST Students Development with a research fund of Rs. 7,20,000/-</p> <p><b>Project Applied:</b></p> <ol style="list-style-type: none"> <li>1. Prime Investigator for AICTE Training And Learning (ATAL) Academy Application Number: 1582871804 for TRAINING FOR SOCIAL CONNECTEDNESS &amp; INSPIRATION“ for 2,50,000/-</li> <li>2.Co-Principle Investigator for ISRO project “Invention and Design of Satellite Spying Technology for Object Behavioral Analysis using Deep Convolution Learning Paradigms from High Object Density Satellite Images” for an amount of 60,93,666/-</li> <li>3. Co-Principle Investigator for AICTE-MARGADHARSHAN for an amount of Rs.50,00,000/-</li> <li>4. Co-Principle Investigator for FDP on “Recent trends and applications in biomedical instrumentation and signal processing” under the scheme of AICTE for an amount of Rs.6,00,000/-</li> </ol>
11	Guest lectures	<ul style="list-style-type: none"> <li>➤ Delivered Lecture on <b>5G and IoT: the Future of Mobile Communication</b> for AICTE Sponsored Short Term Training Program (STTP) under AQIS Programme on “Optimization Techniques for 5G Cellular Networks, Compressive Sensing and Data Science using MATLAB” on 13<sup>th</sup> July 2020.</li> <li>➤ Delivered lecture on <b>Compressive Sensing in 5G : Open Research Opportunities for AICTE</b> Sponsored Short Term Training Program (STTP) under AQIS Programme on “Optimization Techniques for 5G Cellular Networks, Compressive Sensing and Data Science using MATLAB on 24<sup>th</sup> July 2020.</li> <li>➤ <b>Department of Electronics &amp; Communication Engineering</b> (Accredited by NBA)</li> <li>➤ Sri Venkateshwara College of Engineering, Bengaluru, Karnataka- 562157</li> <li>➤ Delivered Guest lecture on Cryptography &amp; Network security</li> </ul>

		<p>on 11<sup>th</sup> January 2017 at the Faculty Development Programme in Presidency College, Bangalore.</p> <ul style="list-style-type: none"> <li>➤ Resource Person for a Guest lecture on Research methodology in Geethanjali College of Engineering, Kurnool, Andhra Pradesh-518002.</li> <li>➤ Resource person at Centum Electronics, Bangalore on Industry Institute Interaction.</li> <li>➤ Financial Co-Chair for IEEE RTEICT 2016 International Conference.</li> </ul>
<b>12</b>	<b>Workshops Organized/Attended</b>	<b>Organised : 16 Attended : 27</b>
<b>13</b>	<b>Professional Body Membership</b>	<ul style="list-style-type: none"> <li>➤ Indian Society for Technical Education (ISTE) (LM 102268)</li> <li>➤ Associate Member of The Institution of Engineers (India) (IEI) (AM1582235)</li> <li>➤ International Association of Engineers (IAENGG ) Member Number: 191254</li> </ul>
<b>14</b>	<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>➤ Teaching &amp; Mentoring</li> <li>➤ Research &amp; Innovation</li> <li>➤ AICTE Coordinator</li> <li>➤ Internshala Coordinator</li> <li>➤ NBA COORDINATOR for Department of E&amp;CE</li> <li>➤ Industry Institute Interaction Cell Coordinator</li> <li>➤ IQAC Member</li> <li>➤ MSME Coordinator</li> <li>➤ Miety Coordinator</li> <li>➤ IETE Coordinator</li> </ul>
<b>15</b>	<b>Contact Number</b>	+91-9980417673
<b>16</b>	<b>Email-Id</b>	<a href="mailto:dileepreddybolla_ece@svcengg.edu.in">dileepreddybolla_ece@svcengg.edu.in</a> <a href="mailto:dileep.bolla@gmail.com">dileep.bolla@gmail.com</a>
<b>17</b>	<b>Portal</b>	<a href="http://ece.svcengg.com/fact_list.php">http://ece.svcengg.com/fact_list.php</a>
<b>18</b>	<b>Funds Received for Research / Events</b>	Associated with Various Funding Agencies like DST, VGST, AICTE, KSCST, etc.,