



# Channabasaveshwara Institute of Technology

(Affiliated to VTU, Belgaum & Approved by AICTE, New Delhi)  
 (ISO 9001:2015 Certified Institution)  
 NH 206 (B.H. Road), Gubbi, Tumkur – 572 216. Karnataka



## Faculty Profile

Name of the Teaching Staff	Vinaya B K	
Department	Electrical & Electronics Engineering	
E-mail	<a href="mailto:vinaya.bk@cittumkur.org">vinaya.bk@cittumkur.org</a>	
Present Designation	Assistant Professor	
Google Scholar ID	<a href="https://scholar.google.com/citations?user=wretRv8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=wretRv8AAAAJ&amp;hl=en</a>	
ORCID	<a href="https://orcid.org/0000-0001-6727-0417">https://orcid.org/0000-0001-6727-0417</a>	
VIDWAN ID	<a href="https://vidwan.inflibnet.ac.in/profile/201497">https://vidwan.inflibnet.ac.in/profile/201497</a>	
Education Qualifications	<ol style="list-style-type: none"> <li>B.E. in Electrical &amp; Electronics Engineering</li> <li>M.Tech in Computer Applications in Industrial Drives</li> </ol>	
<b>Work Experience in Years</b>		
Teaching	9 Years	
Research	-	
Industry	-	
Other	-	
Total	9	
Area of Specialization	Computer Applications in Industrial Drives, Electrical Machines	
Publication Details	<ol style="list-style-type: none"> <li>Int. J. Nanomanufacturing, Vol. 16, No. 4, 2020, Novel green synthesis of silver nanoparticles from newly discovered Putranjivaceae plant leaf extract and their antibacterial studies</li> <li>A paper titled Synthesis and Characterization of semiconductor Si nanowires for gas sensor applications at SRM University Chennai, International Conference on Nanoscience and Nanotechnology (ICONN-2019) held during 28th to 30th January 2019</li> <li>International Journal on Physical Sciences, Volume 10, Issue 1, 2019, ISSN: 2230-9683 Published by National Environmental Science Academy "Preparation of Azobenzene Dye-sensitised Solar Cell Using TiO<sub>2</sub>-Swcnt Nanocomposites"</li> <li>A paper titled Fabrication of azobenzene Dye sensitized solar cell using TiO<sub>2</sub> and Carbon Nano Tubes at CHRIST Bangalore, International Conference on Advanced Ceramics and Nano materials for Sustainable development (ACeND-2018) held during 19th to 21st September 2018.</li> <li>International Journal of Research in Engineering, Science and Management (IJRESM), ISSN: 2581-5782, Volume-1, issue-08, August 2018, "Winding Clamping Force Effect Due to Moisture and Insulation Aging Changes".</li> </ol>	

	<p>6. SS International Journal of Multidisciplinary Research, ISSN: 2395-7964, "Resonant Circuit with Soft-switching Performance of a DC-DC Converter for PFC with ZV Switching".</p> <p>7. Published Paper titled "Zero Voltage Transition based boost converter for power factor correction and its application" in IJSRD, vol-4, issue 10, ISSN: 2321-0613 in December 2016.</p> <p>8. International Journal of Science Technology &amp; Engineering, ISSN: 2349-784X, Volume-2, issue-06, Dec-2015, "Resonant Circuit with Soft-Switching Performance of a Boost Converter for PFC with ZVS and/or ZCS".</p> <p>9. A paper titled Resonant Circuit with Soft-Switching Performance of a Boost Converter for PFC with ZVS and/or ZCS at GSSS Institute of Engineering &amp; Technology for women Mysore, National Conference on Power Systems and Industrial Automation (NCPSIA-2015), 22nd Aug 2015.</p>
Professional Memberships	IETE – AM -503884
No. of Books published with details	02
Book Chapters published	-
Books Published	<p>1. The book titled "Quantum Mechanics &amp; Quantum Computation" was published by Lambert Publishers, Germany, ISBN: 978-3-784-45689-3.</p> <p>2. The book titled "Elements of Electrical Engineering" was published by Lambert Publishers, Germany, ISBN: 978-620-5-49921-4.</p>
Reviewer in Journal/Conference	<p>1. Reviewer for IEEE International Conference on Applied Intelligence and Sustainable Computing (ICAISE-2023) organized by SDMCET, Dharwad, 16<sup>th</sup> – 17<sup>th</sup> June 2023.</p> <p>2. Reviewer for first IEEE International Conference on Data Science and Network Security (ICDSNS-2023) organized by KIT, Tiptur, 28<sup>th</sup> - 29<sup>th</sup> July 2023</p>
Patents	-
Academic & Administrative Responsibilities	<ul style="list-style-type: none"> <li>• NAAC Extended Profile Coordinator</li> <li>• Intra - Internship Coordinator</li> <li>• CMS Coordinator</li> <li>• Faculty Feedback Coordinator</li> <li>• Class Advisor</li> </ul>
FDPs & Workshops Attended	<p>1. Attended 2 days National level workshop on "Differential Equations for Engineers" held on 28th and 29th April 2023 at CIT, Gubbi.</p> <p>2. Attended 5days ATAL FDP on "Effective team work (advanced level)" organized by IIT Bhubaneshwar from 4 – 8 October 2021.</p> <p>3. Attended 5days ATAL FDP on Electric Vehicles from 20th July 2021 to 24th July 2021 was organized by AD Patel Institute of Technology, CVM University, Gujrat.</p> <p>4. FDP on Modern Renewable Energy Technology from 27th to 29th May 2020 organized by SMVIT, Bangalore</p> <p>5. Attended 2-day orientation workshop on "Accreditation NBA under AICTE" organized by Srinivas Institute of Technology, Mangalore from 12th to 13th January 2020</p>

	6. Attended 2 days "International Conference on Nano Technology" held at hotel Srinivas, Srinivas University, Mangalore in October 2019.
	7. Attended two-day workshop on Intellectual Property Rights (IPR) in Association with KSCST Bangalore at GMIT Davanagere on 17th & 18th August 2018
	8. Attended one day workshop on BOS first year syllabus held at Sahyadri College of Engineering & Management, Mangalore conducted by VTU Belagavi in May 2018.
	9. Attended two weeks ISTE Workshop on Electric Power System held at Srinivas Institute of Technology, Valachil, Mangalore conducted by IIT Kharagpur in July 2017.
	10. Attended two-day Faculty Enablement Programme (FEP) on "Psycho-Pedagogy of Classroom" held at Srinivas Institute of Technology, Mangalore in December 2017.