




# ChannabasaveshwarInstituteofTechnology

(Affiliated to VTU, Belgaum & Approved by AICTE, New Delhi)  
 (NAAC Accredited & ISO 9001:2015 Certified Institution)  
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## Faculty Profile

NameoftheTeachingStaff	Dr. Prathibha Ekanthaiah	
Department	Electrical and Electronics Engineering	
E-mail	Prathibha.e@cittumkur.org	
Present Designation	Professor	
Google Scholar ID	wiAdWOUAAAAJ&hl=en	
ORCID	0000-0003-3031-7263	
VIDWAN ID		
EducationQualifications	<ol style="list-style-type: none"> <li>1. B.E in Electrical &amp; Electronics Engg.</li> <li>2. M.Tech in VLSi &amp; embedded system</li> <li>3. Ph.D –domain Power systems</li> </ol>	
<b>Work Experience in Years</b>		
Teaching	23	
Research	-	
Industry	-	
Other	-	
Total	23	
AreaofSpecialization	Power Quality, Smart grid.	
Publication Details	<ol style="list-style-type: none"> <li>1. International Journal - 20</li> <li>2. International Conference - 09</li> <li>3. National Conference - 23</li> <li>4. National Journal - 01</li> </ol> <p>Prathibha. E., et.al “Reliability Analysis in Distribution System by Deep belief neural network” has been accepted for Bulletin of Electrical Engineering and Informatics (BEEI), Vol. 13, No. 2, April 2024, pp.753-761, ISSN: 2302-9285, DOI: 10.11591/eei.v13i2.6324.</p> <p>Prathibha. E., et.al. “CFD Modeling of waste heat recovery system to dry sand mold at G-7 Trading and Industry PLC, Ethiopia” Applied Mechanics and Materials Vol. 911, pp 69-76 © Online: 2023-01-04 , Trans Tech Publications Ltd, Switzerland, ISSN: 1662-7482. DOI: <a href="https://doi.org/10.4028/p-izu4j8">https://doi.org/10.4028/p-izu4j8</a>.</p> <p>Prathibha. E, Mesfin Megra., Aswathnarayana Manjunatha., Likhitha Ramalingappa., “Power Design of FFNN architecture for power quality analysis and its complexity challenges on FPGA” Bulletin of Electrical Engineering and Informatics (BEEI), ISSN: 2302-9285, Volume-11, Issue-2, April 2022. Page No-613-623. (DOI: 10.11591/eei.v11i2.3293)</p> <p>Prathibha. E., et.al, "Power quality event classification using customized convolution neural networks " In 2nd IEEE International conferences on advances in electronics, communication, computing and intelligent information system(ICAECIS -2023) - IEEE Xplore: 07 July 2023 , ISBN Information: INSPEC Accession Number: 23391167 DOI: 10.1109/ICAECIS58353.2023.10170631, Publisher: IEEE</p> <p>Prathibha. E, Hinsermu Alemayehu, et.al, “Power Quality Event Detection and Classifier Architecture on FPGA for Smart Meters” International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878 , Volume-9 Issue-1, May 2020. Page No-2617-2621. (DOI:10.35940/ijrte.A3027.059120)</p>	
ProfessionalMemberships	Indian Society for Technical Educational, New Delhi. Membership number LM.53761	
No.ofBookspublishedwith details	2	
Book Chapters published	<ol style="list-style-type: none"> <li>1. Classification of PQDs by Reconstruction of Complex Wavelet Phasor and a Feed-Forward Neural Network—Fully Connected Structure”. In: Shukla, P.K., Mittal, H., Engelbrecht, A. (eds) Computer Vision and Robotics. CVR 2023. Algorithms for Intelligent Systems. <b>book series (AIS), Springer,</b></li> </ol>	

	<p>Singapore, 28 September 2023 , <a href="https://doi.org/10.1007/978-981-99-4577-1_28">https://doi.org/10.1007/978-981-99-4577-1_28</a></p> <p>2. Determination of Power Quality Events Using DWT and DTCWT Wavelets” <i>Research Highlights in Science and Technology Vol. 8, 7 August 2023 , Page 36-48</i> <a href="https://doi.org/10.9734/bpi/rhst/v8/10516F">https://doi.org/10.9734/bpi/rhst/v8/10516F</a> Published: 2023-08-07 , Print ISBN: 978-81-19491-22-3, eBook ISBN: 978-81-19491-23-0, DOI: 10.9734/bpi/rhst/v8/10516F.</p> <p>3. 5 Role of 2D Dielectric Materials for Energy-harvesting Devices and their Application for Energy Improvements," in <i>Dielectric Materials for Energy Storage and Energy Harvesting Devices</i> , River Publishers, 2023, pp.113-136. Electronic ISBN:9788770040006 ,Print ISBN:9788770040013, River Publishers books   IEEE Xplore <a href="https://ieeexplore.ieee.org/document/10177848">https://ieeexplore.ieee.org/document/10177848</a></p>
Books Published	<p>1. Matlab’s ‘pdetool’: Solving Partial Differential Equations, (2022). <a href="https://www.amazon.com/dp/B0BP4L3VM3">Amazon.com: Matlab’s ‘pdetool’: Solving applied partial differential equations eBook : Ali, Mohammad , Parthiban, Mohanram, Gupta, Neeraj, Ekanthaiah, Prathibha: Kindle Store</a>, ASIN : B0BP4L3VM3 , Publisher : Independently published (December 5, 2022), ISBN-13 : 979-8367045987 September 29, 2022.</p> <p>2. Numerical Methods for Engineers, (2022). <a href="https://www.lulu.com/shop/prathibha-ekanthaiah-and-chandraprabu-venkatachalam-and-neeraj-kumar-gupta-and-md-irfan-ali/numerical-methods-for-engineers/paperback/product-ydz8gy.html">https://www.lulu.com/shop/prathibha-ekanthaiah-and-chandraprabu-venkatachalam-and-neeraj-kumar-gupta-and-md-irfan-ali/numerical-methods-for-engineers/paperback/product-ydz8gy.html</a>, Jun 6, 2022, ISBN 9781387894741.</p>
Reviewer in Journal/Conference	<ul style="list-style-type: none"> <li>• Bulletin of Electrical Engineering and Informatics (BEEI)</li> <li>• The First Biennial International Conference HEAT '21 Hybrid and Electric Automotive Technologies</li> <li>• Ethiopian Journal of Sciences and Sustainable Development</li> </ul>
Patents	-
Academic & Administrative Responsibilities	<p>BOE Exam coordinator of VTU Exam Question Paper setter for VTU Exams and other universities. Member, Anti sexual harassment Committee, NBA coordinator. Deputy Chief Superintendent of the university Examinations.</p>
FDPs & Workshops Attended	
Awards & Achievements Received	
Ph.D Research Scholar Details	<p style="text-align: center;"><b>Guided /Awarded</b></p> <p>Candidate Name :</p> <p>USN :</p> <p>Title :</p> <p>Year of Award :</p> <p style="text-align: center;"><b>Ongoing</b></p> <p>Candidate Name :</p> <p>USN :</p> <p>Title :</p> <p>Year of Registration :</p>
Research/Sponsored Projects Funds Received & Projects Completed	<p>Name of the Project :</p> <p>Funds Received :</p> <p>Sponsoring Agency :</p> <p>Sanctioned Year :</p> <p>Current status of the Project (Completed/Ongoing) :</p>
Student Funded Projects Guided	<p>Sponsoring Agency (KSCST/VTU/Others, Please Specify) :</p> <p>Funds Received :</p> <p>Title of the Project :</p> <p>Sanctioned Year :</p>
Any other accomplishments	