




Channabasaveshwara Institute of Technology

(Affiliated to VTU, Belgaum & Approved by AICTE, New Delhi)
 (NAAC Accredited & ISO9001:2015 Certified Institution)
 NH206(B.H.Road), Gubbi, Tumkur-572216, Karnataka



Faculty Profile

Name of the Teaching Staff	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"> UG PG Ph.D 	
Work Experience in Years		
Teaching	23	
Research	-	
Industry	-	
Other	-	
Total	23	
AreaofSpecialization	Power Quality, Smart grid.	
Publication Details	<ol style="list-style-type: none"> International Journal - 20 International Conference - 09 National Conference - 23 National Journal - 01 <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: https://doi.org/10.4028/p-izu4j8.</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</p>	

	<p>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>
Professional Memberships	Indian Society for Technical Educational, New Delhi. Membership number LM.53761
No. of Book/ Chapters published with details	7
Book Chapters published	<p>5</p> <ol style="list-style-type: none"> 1. Prathibha Ekanthaiah, Likhitha R., Chandrakala B. M., Radha B. N., Yashaswini C. S. and Vinaya B. Koradoor., "Implementation Challenges in FFNN Architecture Design for PQ Analysis on FPGA" <i>Current Approaches in Engineering Research and Technology, Vol. 7, 2024, pages 14-30</i>, Print ISBN: 978-81-978082-0-3, eBook ISBN: 978-81-978082-8-9, India-United Kingdom BP publisher, DOI: https://doi.org/10.9734/bpi/caert/v7/1409 2. Likhitha Ramalingappa, Prathibha Ekanthaiah, and Aswathnarayana Manjunatha., "An Artificial Intelligence Approach for Reliability Analysis in Distribution Network" <i>Current Approaches in Engineering Research and Technology, Vol. 7, 2024, pages 135-151</i> Print ISBN: 978-81-978082-0-3, eBook ISBN: 978-81-978082-8-9, India-United Kingdom BP publisher, DOI: https://doi.org/10.9734/bpi/caert/v7/1409 3. 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) <i>Computer Vision and Robotics. CVR 2023. Algorithms for Intelligent Systems. book series (AIS), Springer, Singapore, 28 September 2023</i>, https://doi.org/10.1007/978-981-99-4577-1_28 4. Determination of Power Quality Events Using DWT and DTCWT Wavelets" <i>Research Highlights in Science and Technology Vol. 8, 7 August 2023</i>, Page 36-48 https://doi.org/10.9734/bpi/rhst/v8/10516F 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. 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 https://ieeexplore.ieee.org/document/10177848
Books Published	<ol style="list-style-type: none"> 1. Matlab's 'pdetool': Solving Partial Differential Equations, (2022). Amazon.com: Matlab's 'pdetool': Solving applied partial differential equations eBook : Ali, Mohammad, Parthiban, Mohanram, Gupta, Neeraj, Ekanthaiah, Prathibha: Kindle Store, ASIN : B0BP4L3VM3, Publisher : Independently published (December 5, 2022), ISBN-13 : 979-8367045987 September 29, 2022. 2. Numerical Methods for Engineers, (2022). https://www.lulu.com/shop/prathibha-ekanthaiah-and-chandraprabu-venkatachalam-and-neeraj-kumar-gupta-and-md-irfan-ali/numerical-methods-for-engineers/paperback/product-vdzy8gy.html, Jun 6, 2022, ISBN 9781387894741.

Reviewer in Journal/Conference	<ul style="list-style-type: none"> • Bulletin of Electrical Engineering and Informatics (BEEI) • The First Biennial International Conference HEAT '21 Hybrid and Electric Automotive Technologies • Ethiopian Journal of Sciences and Sustainable Development
Patents	<p>- 2</p> <ol style="list-style-type: none"> 1. Title of the invention : A SYSTEM AND METHOD FOR NEURAL NETWORK-BASED POWER QUALITY ANALYSIS ON FPGA WITH DESIGN CHALLENGES AND SOLUTIONS, Application No.202441055523 A, Publication Date: 26/07/202 2. Title of the invention : IOT based Natural language Processing Legal Real Estate semantic Analysis Device, Application No 422086-001, Cdr Number : 211680, Cbr Date 03/07/2024,
Academic & Administrative Responsibilities	<p>BOE Exam coordinator of VTU Exam Question Paper setter for VTU Exams and other universities.</p> <p>Member, Anti sexual harassment Committee, NBA coordinator.</p> <p>Deputy Chief Superintendent of the university Examinations.</p>
FDPs & Workshops Attended	<p>19</p> <ol style="list-style-type: none"> 1. 6 Weeks (60 hours) Live Online Faculty Development Program on Machine Learning and Artificial Intelligence, held on 24th June - 02nd August 2024, Organized by EduLakes Solutions LLP. 2. 5-Day Online Faculty Development Program on “APPLICATIONS OF AI/ML in POWER SYSTEMS & ELECTRIC VEHICLES” Organized by the department of Electrical & Electronics Engineering From 05th August to 09th August 2024.
Awards & Achievements Received	
Ph.D Research Scholar Details	Guided /Awarded
	Candidate Name :
	USN :
	Title :
	Year of Award :
	Ongoing
	Candidate Name :
	USN :
	Title :
	Year of Registration :
Research/Sponsored Projects Funds Received & Projects Completed	Name of the Project :
	Funds Received :
	Sponsoring Agency :
	Sanctioned Year :
	Current status of the Project (Completed/Ongoing) :

Student Funded Projects Guided	Sponsoring Agency (KSCST/VTU/Others, Please Specify) :
	Funds Received :
	Title of the Project :
	Sanctioned Year :
Any other accomplishments	