


Faculty Profile

Name of the Teaching Staff	Mr.Santhosha D	
Department	Electrical & Electronics Engineering	
E-mail	santhosh.d@cittumkur.org	
Present Designation	Assistant Professor	
Google Scholar ID	w2z_7IIAAAAJ&hl	
ORCID	0000-0003-2439-8933	
VIDWAN ID	201499	
Education Qualifications	<ol style="list-style-type: none"> B.E in Electrical & Electronics Engineering (2014) (VTU Belgaum) M.E in Power & Energy System (2017) (U.V.C.E) Ph.D. Pursing in Bangalore University (2020) 	
Work Experience in Years		
Teaching	7 years	
Research	2 years	
Industry	1.8 years	
Other	-	
Total	10.8 years	
Area of Specialization	Power System, Power Electronics, Electric vehicles	
Publication Details	<ol style="list-style-type: none"> IJAREEIE Paper publication on “FUZZY BASED HYBRID OCEAN WAVE PHOTOVOLTAIC FUEL CELL POWER GENERATION SYSTEM DYNAMIC STABILITY ANALYSIS WITH DISTRIBUTED POWER GRID” in 2017 (Google Scholar). Journal of physics: Conference Series, Volume 1964, Advances in computational Electrical Engineering Paper publication on “MACHINE LEARNING – BASED PREDICTIVE THE FORECASTING OF SHORT-TERM WIND SPEED” in 2021 (Scopus Indexed). 	

	<p>3. Published a Conference paper with title “V2G and G2V based grid connected bi-directional converter: A novel Study”, at 4th ICERECT-2022 (Scopus Indexed).</p> <p>4. Published a Conference paper with title” Image processing-based lung tumor detection and classification using 3D micro - calcification of Ct images“, at AIP Conference Proceedings-2022 (Scopus Indexed).</p>
Professional Memberships	<ul style="list-style-type: none"> ➤ ISTE – LM133304 ➤ IEI – AM1914726 ➤ IEEE – 98839690
No. of Books published	02
Book Chapters published	<p>1. Yoganand Selvaraj, P.Sathyanathan, V.Ilango, D.Santhosha, “ IOT Monitoring & control system Implementations for Home production”, Book series : Renewable Energy with lot & biomedical Applications, Edition No: 1, Chapter -29 pp 109-113 - Dipti Press (opc) Pvt. Ltd., ISBN: 978-81-952585-4-3</p>
Books Published	<ul style="list-style-type: none"> ➤ Santhosha D, Hemavati S, Sanjiv Kumar Jain, “Standalone Solar Photovoltaic Energy Management System” INSC International Publisher IIP, ISBN: 978-168576-115-8 ➤ Mr. SANTHOSHA D, Mr.Subhash P, Mr.Vishwanath Thammanna, Dr.Ramesh H R, “Electric Vehicle Technologies” Scientific International Publishing House (SIPH), ISBN: 9789356254886
Reviewer in Journal/Conference	-----
Patents	<ul style="list-style-type: none"> ➤ “AN IINOVATIVE IOT BASED NHS WHEELCHAIR THAT AUTOMATICALLY PROVIDES PILLS FOR THE CEREBROVASCULAR DISEASE PATIENTS” -- INDIAN PATENT NUMBER: - 20241049419 – DATE OF PATENT: - 12/11/2022 ➤ “AN OPTIMAL EFFICIENT METHOD TO TRACE THE LEVEL OF OIL IN THE TRANSFORMER CONSERVATOR TANK USING IOT” -- INDIAN PATENT NUMBER: - 202410494 – DATE OF PATENT: - 12/11/2022 ➤ “IOT AND DEEP LEARNING ENABALED GRID NETWORK IMPLEMENTED SYSTEM FOR ELECTRICITY SUPPLY FOR SMART CITIES FOR IMPROVISATION OF URBAN PLANING AND ENVIRONMENTAL BENEFITS” -- INDIAN PATENT NUMBER: - 202410494 – DATE OF PATENT: - 05/03/2022

<p>Academic & Administrative Responsibilities</p>	<ul style="list-style-type: none"> ➤ Department Placement Co-Ordinator ➤ Department Website Co-Ordinator ➤ Mini Project Co-Ordinator ➤ Department Event Co-Ordinator ➤ Industrial visit Co-Ordinator ➤ Institute Sports Committee Member ➤ Institute IISC Committee Member ➤ Department NAAC Criteria – 3 Co-Ordinator
<p>FDPs & Workshops Attended</p>	<ul style="list-style-type: none"> • NPTEL-AICTE FDP on Advances in UHV Transmission & Distribution (14-09-2020 to 06-11-2020) • NPTEL-AICTE FDP Fundamentals of Electric vehicles: Technology & economics (05-10-2020 to 09-10- 2020) • NPTEL-AICTE FDP Electric Vehicles-Part-1 (FEB- Mar 2020) • Short term training Program) on “Advances in Electric Vehicles - Part – 1 ”(09-11-2020 to 14-11-2020) • Short term training Program) on “Advances in Electric Vehicles - Part – 2 ”(7-12-2020 to 12-12-2020) • Short term training Program) on “Advances in Electric Vehicles - Part – 3 ”(21-12-2020 to 26-12-2020) • ATAL FDP on "Energy Engineering" (26-9-2020 to 30-9-2020) • ATAL FDP on "Control Systems & Sensors Technology" (05-10-2020 to 09-10-2020) • ATAL FDP on " Smart Cities" (01-02-2021 to 05-02-2021) • ATAL FDP on " Sustainability Engineering" (22-02-2021 to 26-02-2021) • ATAL FDP on " AI Solution for Optimum Utilization of Power and Energy " (05-07-2021 to 09-07-2021) • ATAL FDP on " EV & Charging Infrastructure" (26-07-2021 TO 30-07-2021) • ATAL FDP on " Magnetic Levitation System" (27/09/2021 to 01/10/2021) • AICTE – VTU Joint Teachers Training Programme On “Introduction to Internet of Things (IoT)” (17th – 21st April 2023)