

## **CURRICULUM VITAE**

**PRASHANTH KUMAR . H. K.**

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### **CAREER OBJECTIVE:**

To be associated with an organization having Professional environment to enhance my skills and to keep me updated with the ever-changing trends & technology and to contribute to achieve the organizational as well as individual goals.

### **WORK EXPERIENCE – 11 YEARS:**

Worked as Assistant Professor at SJM Institute of Technology, Chitradurga from 2014 to 2018.

Working as **Assistant Professor** in the **Department of Electrical & Electronics Engineering**,  
Bapuji Institute of Engineering and Technology, Davangere from August 2018 to till date.

### **QUALIFICATIONS ACQUIRED:**

**Ph.D.** – Pursuing in Reva University at Bangalore from 2021

**M.Tech** – Power Electronics – **SJCE college - Mangalore**, 2014-batch – **72.21%**  
Visvesvaraya Technological University, Belagavi.

**B.E.** - Electrical & Electronics Engineering – **PESITM College of Engineering - Shivamoga**, 2011 batch – **61.9%**, Visvesvaraya Technological University, Belagavi.

### **SKILLS:**

- *Strong knowledge and research experience in Electrical Power Electronics.*
- *Experience in the simulation and analysis of MAT LAB software*
- *Be familiar with C, PSPICE, PROFICAD software.*
- *Good abilities in search, tidying up and writing literatures for research*
- *Excellent abilities in manipulating computers also familiar with software packages- MATLAB.*
- *Excellent inter personal and communication skills.*
- *Self-understanding ability and ability to lead team in significant way.*
- *Profound managerial qualities and skills to handle multiple teams simultaneously*
- *Expertise in writing project proposals for various organizations.*

### **PUBLICATIONS AT INTERNATIONAL JOURNALS:**

1. Prashanthkumar H K, Nirajana S H “Adaptive Power system for Managing large dynamic load”, International Journal of Innovative Research in Science, Engineering and Technology(IJRSET), Volume 9, Issue 6, ISSN: 2319- June 2020.
2. Prashanthkumar H K, “To Design and Analysis of Underground Drainage and Manhole Monitoring system for smart cities”, International Journal of Engineering Science and Computing (IJESC), Volume 10, Issue 3, ISSN: 2321 3361,March 2020.
3. Prashanthkumar H K, Vani H V, “ Design and Implementation of an Automatic Energy Saving System by Human interaction for Smart Home”, International Journal of Engineering Techonology Science and Research (IJETSR), Volume 4, Issue 11, ISSN: 2396-3386, November 2017.
4. Prashanthkumar H K , “Accident prevention by eye blinking sensor & alcohol detector”, International journal of Engineering research (IJER) Issue7, Volume 4, ISSN:2319-6890(online) in July 2015.

### **PUBLICATIONS AT NATIONAL & INTERNATIONAL CONFERENCES:**

1. Prashanthkumar H K, Ritesh Dash, School of EEE “Analyzing Line-Line Faults in DC Microgrids Through Discrete Wavelet Transform Techniques” 024 IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE) | 979-8-3503-7700-2/24/\$31.00 ©2024 IEEE | DOI: 10.1109/ICSPCRE62303.2024.10675102
2. Prashanthkumar H K, “Design and Implementation of power factor controller for real time action using microcontroller”, advancement in Engineering applied Science and management, organized by 5<sup>th</sup> international conference , Hyderabad, March 2018.
3. Prashanthkumar H K, “Design and Implementation of an automatic energy saving system by human interaction by smart home”, advancement in Engineering applied Science and management, organized by 5<sup>th</sup> international conference , Bangalore, November 2017.
4. Prashanthkumar H K, “Minimizing penalty in industrial power consumption by engaging APEC unit”, NCETET-1, organized by PESITM Engineering College , Shimoga, May 2017.
5. Prashanthkumar H K, “Novel regenerative breaking control of electric power assistant wheel chair for safety downhill road driving”, NCETET-14, organized by Canara Engineering College , Bantwal, April 2014.

### **FACULTY DEVELOPMENT PROGRAMMES/WORKSHOP ATTENDED**

<i><b>Sl No</b></i>	<i><b>Name of training/workshop</b></i>	<i><b>Year/Duration</b></i>	<i><b>Organizers</b></i>
1	<i>“Power Electronics and Drives: Shaping the Future of Electric Vechicles”</i>	<i>One-week/ March 10 –16, 2025</i>	<i>NIT Patna</i>
2	<i>Research Writing, Funding Proposal Development and patent Drafting</i>	<i>TWO-Week(STTP) JULY 08-20 2024</i>	<i>Purnea, Bihar</i>
3	<i>AI/ML based controllers Design and their Application in real time plotform(AMCDARP-2024)</i>	<i>28<sup>th</sup> Sept to 2<sup>nd</sup> Oct 2024</i>	<i>NIT, Rourkela</i>
4	<i>Data Science and Networking</i>	<i>Aug -2022/Three days</i>	<i>RIT, Hassan.</i>
5	<i>AI applications to Power systems</i>	<i>Jan-2022/One Week</i>	<i>SIT, Tumakuru</i>

6	<i>Industrial Internet of Things using Labview</i>	<i>Jan-2022/ Five Days</i>	<i>AICTE Training and Learning(ATAL) Academy-New Delhi</i>
7	<i>Implementation of National education Policy-2020</i>	<i>Dec-2021/Two Days</i>	<i>BIET, Davanagere</i>
8	<i>Recent Trends in Electrical Power Systems</i>	<i>Jun-2021/Three Days</i>	<i>ANGADI Institute of Technology, Belagavi.</i>
9	<i>Recent Trends in Electrical Power Security</i>	<i>Jun-2020/Three Days</i>	<i>Smt Kamala and Sri venkappa AGADI Institute of Technology, Lakshmeshwar</i>
10	<i>Tools and Techniques for Effective Research Writing</i>	<i>Dec-2020/Five Day</i>	<i>PES Institute of Technology, Shivamogga</i>
11	<i>Contemporary Scenario in Power Systems</i>	<i>July-2020/ Five Days</i>	<i>ATME College of Engineering ,Mysuru</i>
12	<i>Circuit Design using AUTOCAD Electrical</i>	<i>July-2020/Five Days</i>	<i>ICT Academy ,Bangalore</i>
13	<i>Sensors and Their Applications</i>	<i>June-2020/Five Days</i>	<i>Vemana Institute of Technology, Bangalore</i>
14	<i>Advances in Power Electronics and drives</i>	<i>June-2015/Two Days</i>	<i>UBDTCE, Davanagere</i>
15	<i>A 3 tier Architecture software Installation and testing</i>	<i>Feb-2018/Two Days</i>	<i>SJMIT, Chitradurga</i>

**PROFESSIONAL ASSIGNMENTS HANDLED:**

- *Teaching UG students. Supervising/guiding UG projects*
- *Worked as Department NAAC Co-Ordinator*
- *Worked as co-associate of NBA Criteria-3.*
- *Worked as Maintenance In charge for Campus Electrical Maintenance Work*
- *Worked as Co-Ordinator for Skill development cell activity.*
- *Served as a **Question paper setter** to, VTU-Belgaum*
- *Submitted Project Proposals under KSCST*

**PROJECTS GUIDED:**

- Number of under graduate projects guided: **More than 15 .**

**EXTRA-CURRICULAR RESPONSIBILITIES DISCHARGED:**

- Worked as External Deputy Chief Superintend for VTU-Belagavi
- Worked as Electrical Machines lab coordinator.
- Working as QPDS Member for VTU Question paper dispatch
- Developed Lab manual for Electrical Machines Lab
- Worked as Invilgator for GATE, NTA, NEET Examinations.

**PERSONAL DETAILS**

***Father Name:*** Kallappa H

***Nationality:*** Indian

***Date of Birth:*** 17-11-1987

***Sex:*** Male

***Marital Status:*** Married

*I affirm that the details afore mentioned are true to the best of my knowledge.*

***Date:*** 19-04-2025

***Place:*** Davangere

***Prashanth kumar H K***