

PRASHANTH KUMAR .H. K .BE (E &E), M. Tech. (Power Electronics)

Assistant Professor

Dept. of Electrical & Electronics,

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AREA OF INTEREST

Areas of Power Electronics include converters for electric vehicle (EV), high voltage power electronics, and power converter controls, Electrical Machines, Control Systems, Fuzzy Logic.

TEACHING EXPERIENCE

Having 6 years of teaching experience

- Worked as Assistant Professor at SJMIT from 2014 to 2018
- Presently working as Assistant Professor in Electrical & Electronics dept , BIET, Davanagere, from August 2018 to till date

EDUCATION

- M.Tech (Power Electronics) from SJCE, Mangalore , VTU, 2014, with First Class with Distinction (71)
- B.E (E & E) from PESITM College of Engineering, Shivamoga, VTU, 2011 with First Class (61)

PROFESSIONAL MEMBERSHIP

- Associate Member for Institute of Engineers (AMIE)

In International Journal

- Published Journal paper entitled “Accident prevention by eye blinking sensor & alcohol detector”, in International journal of Engineering research (IJER) Issue7, Volume 4 in 2015.
- Published Journal paper entitled “To Design and Analysis of Underground Drainage and Manhole Monitoring system for smart cities” in International Journal of Engineering Science and Computing (IJESC), Volume 10, Issue 3, March 2020.

In International Conference

- Presented a paper in 5th International Conference entitled “Design and Implementation of an automatic energy saving system by human interaction by smart home” in advancement in Engg. applied science & management, held at Bangalore , in Nov -2017.
- Presented a paper in 5th International Conference entitled “Design and Implementation of power factor controller for real time action by using microcontroller”, in advancement in Engg. applied science & management, held at hyderabad , in March -2018.

In National Conference

- Presented a paper in National Conference entitled “Novel regenerative braking control of electric power assistant wheel chair for safety downhill road driving” NCETET-14, in Canara Engg college, Bantwal, April 2014.
- Presented a paper in National Conference entitled “Minizing Penalty in industrial power consumption by engaging APEC unit” NCRSEM-2017, in PESITM College Shimoga, May-2017.

WORKSHOPS / CONFERENCES ATTENDED

- Attended 2 days Workshop entitled “ A 3 tier Architecture software Installation and testing” held at chitradurga in 2018
- Attended 1 week Workshop entitled “Advances in Power Electronics and drives”, held at Davangere in 2015, U.B.D.T.C.E , College.
- Attended 2 week Workshop entitled “Control Systems”, held at Davangere in 2014 U.B.D.T.C.E , College.
- Attended 2 days Workshop entitled “Advances in Power Electronics and drives”, held at Davangere 2015 in U.B.D.T.C.E ,College

RESPONSIBILITIES

- Maintenance Incharge for Campus Electrical Maintenance Work
- Incharge for activity of Skill Development Cell

PROJECTS GUIDED

- For BE -14 Batches

SUBJECTS TAUGHT

- Basic Electrical Engineering
- Estimation & costing

- Testing and commissioning of electrical equipment
- Electrical and Electronics Measurement
- Microcontroller
- DC machines and Synchronous machines
- Switchgear & Protection
- Electric motor

M.TECH PROJECT

- Project: Novel Regenerative Braking Control of Electric Power-Assisted Wheelchair for Safety Downhill Road Driving (Jan 2012- Dec 2014)

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