


<b>Faculty Name</b>	Prof. Chaitanya Krishna Jambotkar	
<b>Department</b>	Electronics & Communication	
<b>Experience in Years</b>	4.5	
<b>Area of Interest</b>	Arduino, Analog Electronics, Power Electronics, Digital Electronics & Signal Processing	
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### Seminar/Workshop Attended: 08

- ❖ Attended a **Three day** workshop on **PLC/SCADA** (Industrial Automation) Conducted in K.L.E.I.T by **Prolific Systems Bangalore** on 23-02-2012 to 25-02-2012.
- ❖ Attended a **Two week** ISTE workshop on **“control system”** Conducted by **IIT Kharagpur** from 2nd to 12th December 2014.
- ❖ Attended a **Two days** Workshop on **“TI C2000 MCU For real time control Applications”** conducted on 19th and 20th of march 2015 conducted by Dept of EEE, **BVBCET**, Hubli.
- ❖ Attended a **Six days** Workshop on **“Advanced Microcontroller for Embedded Systems”** organized by Dept. of ECE, **K.L.E MS Sheshagiri College of Engg.** From 19th to 24th of Jan 2016.
- ❖ Attended **Three day** workshop on **“Automation using IOT”** conducted by Dept of ECE, **BVBTECH**, Hubballi conducted on 21st – 23rd Nov 2016.
- ❖ Attended **One day** workshop on **“Workshop on IOT”** conducted by Dept of EEE, **BVBTECH**, Hubballi conducted on 12<sup>th</sup> November 2016.
- ❖ Organized **Two-Week** ISTE STTP workshop on **“Electric Power System”** organized by **Indian Institute of Technology, Kharagpur** from 12<sup>th</sup> June 2017 to 15<sup>th</sup> July 2017.
- ❖ Attended **One-Week** workshop on **“Recent Trends In Electrical Engineering & Research Opportunities”** in K.L.E. Institute of Technology, Hubli from 24<sup>th</sup> to 28<sup>th</sup> July, 2018.

**Paper Publication: 30**

- ❖ A paper on **“Simulation of DC Link power converter for integrating offshore wind turbine generator to grid”**, is published in **International Journal of Science, Engineering and Technology Research(IJSETR)**, Volume 3, Issue 7, July 2014, PP 1940 - 1945.(Impact Factor: 3.59)
- ❖ A paper on **“MATLAB/Simulink Based Design and Simulation of Speed Control of Three Phase Slip Ring Induction Motor Using Chopper”**, is published in **International Journal of Science, Engineering and Technology Research(IJSETR)**, Volume 5, Issue 1, JAN 2016, PP 267-274. (Impact Factor: 3.59)
- ❖ A paper on **“Microcontroller based Bidirectional Energy Metering for Domestic User”**, is published in **Journal of Electronic Design Engineering(MAT Journals)**, Volume 3, Issue 1, JAN 2017, PP 1-9.
- ❖ A paper on **“A Study of Materials for Solar PV Technology and Challenges”** is published in **European Journal of Applied Engineering and Scientific Research**, Volume 5, Issue 1, JAN 2017, PP 1-13.
- ❖ A paper on **“IoT Based Smart Trash Bins – A Step Towards Smart City”** is published in **International Research Journal of Engineering and Technology (IRJET)**, Volume 4, Issue 12, Dec -2017, PP 768-771 . (Impact Factor: 7.211)
- ❖ A paper on **“Pick and Place Robot using Robo-Arduino”** is published in **International Journal of Science, Engineering and Technology Research (IJSETR)**, Volume 6, Issue 12,Dec-2017, PP 1568 – 1573. (Impact Factor: 3.59)
- ❖ A paper on **“Current Trends in IoT and Security Issues”** is published in **International Journal of Scientific Research and Development (IJSRD)**, Volume 5, Issue 10, Dec -2017, PP- 529 – 532. (Impact Factor: 4.396)
- ❖ A paper on **“SCADA For Thermal Power Plant”** is published in **International Journal of Scientific Research and Development (IJSRD)**, Volume 5, Issue 10, Dec -2017, PP- 577 – 580. (Impact Factor: 4.396)
- ❖ A paper on **“Indian Scenario of Various Transmission and Distribution Losses and Technique’s for its Mitigation”** is published in **International Journal of Scientific Research and Development (IJSRD)**, Volume 5, Issue 10, Dec -2017, PP- 573 – 576. (Impact Factor: 4.396)
- ❖ A paper on **“Vanadium Battery Technology”** is published in **International Journal of Scientific Research and Development (IJSRD)**, Volume 5, Issue 10, Dec -2017, PP- 570 – 572. (Impact Factor: 4.396)
- ❖ A paper on **“A Novel Approach To Test Op-Amp IC-741 Using Arduino ”** is published in **International Journal for Science and Advance Research In Technology (IJSART)**, Volume 4, Issue 1, JAN -2018, PP- 329 – 332. (Impact Factor: 5.388)

- ❖ A paper on **“SVPWM based matrix converter for wind energy conversion system”** is published in **International Journal of Recent Trends in Engineering & Research (IJRTER)**, Volume 4, Issue 1, JAN -2018, PP- 89 – 97. (Impact Factor: 4.101)
- ❖ A paper on **“Power system fault detection and classification using wavelet transform and back propagation neural network”** is published in **International Journal of Recent Trends in Engineering & Research (IJRTER)**, Volume 4, Issue 1, JAN -2018, PP- 98 – 109. (Impact Factor: 4.101)
- ❖ A paper on **“Application of 3d electrical resistivity tomography for diagnosing leakage in earth rock-fill dam”** is published in **International Journal of Recent Trends in Engineering & Research (IJRTER)**, Volume 4, Issue 1, JAN -2018, PP- 110 – 120. (Impact Factor: 4.101)
- ❖ A paper on **“A Study On Harmonic Analysis of SEPIC Power Converter”** is published in **EPRA’s International Journal of Research and Development (IJRD)**, Volume 3, Issue 10, OCT -2018, PP- 106 – 109. (Impact Factor: 6.093)
- ❖ A paper on **“Genetic Algorithm Based Elimination Of Harmonics In Three Phase Inverter”** is published in **International Journal for Science and Advance Research In Technology (IJSART)**, Volume 4, Issue 10, OCT -2018, PP- 235 – 239. (Impact Factor: 5.388)
- ❖ A paper on **“Intelligent Traffic Controller Using Embedded System”** is published in **EPRA’s International Journal of Research and Development (IJRD)**, Volume 3, Issue 10, OCT -2018, PP- 110 – 115. (Impact Factor: 6.093)
- ❖ A paper on **“Harmonic Analysis of SVPWM Based Three Phase Inverter Using MATLAB/Simulink”** is published in **International Journal Of Trend in Scientific Research and Development (IJTSRD)**, Volume 2, Issue 6, OCT -2018, PP- 1332 – 1337. (Impact Factor: 4.101)
- ❖ A paper on **“Feasibility Study of Modified Quasi Z Source Inverter For Solar PV Technology”** is published in **International Journal Of Trend in Scientific Research and Development (IJTSRD)**, Volume 2, Issue 6, OCT -2018, PP- 1327 – 1331. (Impact Factor: 4.101)
- ❖ A paper on **“Evolution Of Electronic Aid For Navigation”** is published in **International Journal Of Trend in Scientific Research and Development (IJTSRD)**, Volume 3, Issue 2, JAN -2019, PP- 338 – 340. (Impact Factor: 4.101)
- ❖ A paper on **“Overview, Research Challenges & Opportunities in Smart Grid Communication Technologies”** is published in **EPRA’s International Journal of Research and Development (IJRD)**, Volume 4, Issue 1, JAN -2019, PP- 125 – 129. (Impact Factor: 6.093)

- ❖ A paper on “**Energy Management System Using Renewable Energy Sources**” is published in **International Journal Of Trend in Scientific Research and Development (IJTSRD)**, Volume 3, Issue 2, JAN -2019, PP- 331 – 334. (Impact Factor: 4.101)
- ❖ A paper on “**IoT Based Smart Car Parking System**” is published in **International Journal for Science and Advance Research In Technology (IJSART)**, Volume 5, Issue 1, JAN - 2019, PP- 270 – 272. (Impact Factor: 5.388)
- ❖ A paper on “**Smart Grid Communication Protocols**” is published in **International Journal Of Trend in Scientific Research and Development (IJTSRD)**, Volume 3, Issue 2, JAN - 2019, PP- 335 – 337. (Impact Factor: 4.101)
- ❖ A paper on “**Analysis of Transformer Oil Using Image Processing**” is published in **EPRA’s International Journal of Research and Development (IJRD)**, Volume 4, Issue 1, JAN -2019, PP- 120 – 124. (Impact Factor: 6.093)
- ❖ A paper on “**Adaptive Noise Cancellation for Audio Signal Processing**” is published in **EPRA’s International Journal of Research and Development (IJRD)**, Volume 4, Issue 1, JAN -2019, PP- 116 – 119. (Impact Factor: 6.093)
- ❖ A paper on “**Classification of ECG Arrhythmia Using Bayesian Classifier**” is published in **EPRA’s International Journal of Research and Development (IJRD)**, Volume 4, Issue 1, JAN -2019, PP- 110 – 114. (Impact Factor: 6.093)
- ❖ A paper on “**Quasi Z Source Inverter With Energy Storage For Photovoltaic Power Generation System**” is published in **EPRA’s International Journal of Research and Development (IJRD)**, Volume 4, Issue 1, JAN -2019, PP- 104 – 109. (Impact Factor: 6.093)
- ❖ A paper on “**E-Braille, A Study Aid For Visual Impaired**” is published in **International Journal of Research in Engineering, Science & Management (IJRESM)**, Volume 2, Issue 2, FEB -2019, PP- 131 – 135. (Impact Factor: 4.308)
- ❖ A paper on “**Arduino Based Water Level Monitoring & Controlling For Domestic Applications**” is published in **International Journal of Research in Engineering, Science & Management (IJRESM)**, Volume 2, Issue 2, FEB -2019, PP- 138 – 141. (Impact Factor: 4.308)

#### **Internship/Conference attended: 04**

- ❖ Attended **One day** conference on “**Conference on IOT**” conducted by Dept of EEE, **BVBTECH**, Hubballi conducted on 13<sup>th</sup> November 2016.

- ❖ Attended a **Three day** conference on “**Smart Electronic Systems**” conducted by Dept. of ECE, **K.L.E MS Sheshagiri College of Engg.** From 20th May to 22nd May 2016.
- ❖ Attended a **One day**Conference on “**Big Data Applications**” conducted by **R & D of Samsung, Bangalore** on 21st of June 2016.
- ❖ Attended **One day**Conference on “**Improving Your Campus Recruitment**” held in Bangalore on 18th February 2015 conducted by **Mr. Arun Kumar Khannur** (ISQT Process and Consulting Services Pvt. Ltd) .

#### **Recognized State/National/International Projects: 01**

- ❖ **Guided a project “Design and Implementation of a fully controlled three phase inverter using SPWM Technique”,** sponsored by **KSCST- 38th series**  
Project Reference no: 38S0725.