

Smt.Soniya Agrawal

Assistant Professor,
Dept. of Electrical & Electronics
BMS College of Engineering
Bull Temple Road
Bangalore-560019
[Email:-soniya.eee@bmsce.ac.in](mailto:soniya.eee@bmsce.ac.in)

Educational Profile:

- M.Tech Power Electronics, BMS College of Engineering, Bangalore ,2013,
- B. E. Electrical Engineering, Govt. Engineering College, Raipur (C.G.)
- H.S.S.C Carmel Girls Higher Secondary School, Raigarh (C.G.) ,

Professional Experience:

- Institution: BMS College of Engineering, Bangalore
Duration: Sep 2013 – Till date
- Institution: SCT Institute of Technology, Bangalore
Duration: Sep 2008 - July 2011
- Institution: MP Christian College of Engineering And Technology, Bhilai(C.G.)
Duration: July 2006 - July 2007
- Institution: Govt. Polytechnic College, Korba (C.G.)
Duration: July 2005 – June 2006

Major course handled

Basic Electrical Engineering, Renewable energy resources, Digital Signal processing, Embedded system design, Communication Systems, Modern Control System, Electrical Power Generation

Area of Interest: - Renewable energy resources, Electric vehicles, Design of Photovoltaic cell, Controllers for renewable applications

Trainings and Workshop:

- Global Initiative for Academic networks (GIAN) Course on “**Electric Vehicles and System Design**” by Prof. Kaushik Rajashekara, University of Houston, Houston between July 3rd to 13th , 2017.
- Global Initiative for Academic networks (GIAN) Course on “ **Pseudo- Spectral Methods and their applications in solving system of differential equations**” from 15th Jan 2018 to 25th Jan 2018.
- TEQIP II sponsored One week workshop on “**Recent Advancements in Materials and Technologies** in Renewables” from 6th to 11th March, 2017.
- TEQIP II sponsored one week FDP on “Materials in Engineering and Technology” from 11th July 2016 to 15 July 2016.

- TEQIP-II Sponsored Two-Day workshop in “**Solar Photovoltaic and Micro-grid Applications**” Organised by Propel Lab -6 in association with Department of Electrical and Electronics Engineering, BMS College of Engineering, 30th -31st May, 2016
- TEQIP –II sponsored Workshop on “**Microgrids- Classification ,Implementation and Recent trends**” organised by Department of Electrical and Electronics Engineering, BMS College of Engineering ,7th-10th December, 2015
- TEQIP-II Sponsored One week workshop on “**Principles, Practices and Applications of Computer Vision**”, organised by the Department of Electronics & Instrumentation Engineering in association with Department of Electrical & Electronics Engineering, BMSCE, Bangalore, 17th – 21st October, 2015
- One month Value added course on “ **Project based learning using unified technology learning platform**”, organized by the Department of Telecommunication Engineering and Department of Electrical & Electronics Engineering in association with Wipro Technologies, Bangalore,1st June – 30th June, 2015
- Two week ISTE workshop on “**Pedagogy for Effective use of ICT in Engineering Education**”, 12th June – 2nd August, 2014
- TEQIP-II (IIC) sponsored One week workshop on “ Industrial Automation & Control”, organised by Department of Electrical & Electronics Engineering and Department of Instrumentation Engineering, held at BMSCE, 26th June to 2nd July, 2014
- TEQIP –II sponsored , Two Day Refresher Course on “**Classical control theory and design using Matlab /Simulink**”, conducted by Dept. of Electrical & Electronics Engineering and Dept. of Telecommunication Engineering 22nd -23rd May, 2014
- TEQIP-II& (IIC) sponsored One Week Workshop on “ **Real time Signal Processing**”, conducted by Department of Electrical and Electronics Engineering and Medical Electronics Engineering, BMSCE, 10th – 15th February, 2014
- TEQIP-II sponsored One week workshop on “ **LabVIEW & Applications**”, organized by Department of Electrical & Electronics Engineering , BMSCE,Bangalore,16th -22nd January, 2014

NPTEL Courses:

- “**Fabrication Techniques for MEMS-based Sensors: Clinical Perspective**”, by Dr. Hardik J. Pandya IISc,Bangalore ,2018
- “**Fundamentals of Electrical Engineering**” by Debapriya Das I.I.T KGP,2018
- “**Design of photovoltaic systems** “By Dr. L Umanand, IISc,Bangalore,2017
- “**Basic electrical circuits** “by Nagendra Krishnapura IITM,2016

Publications:

- Paper in National conference on Recent development in power Engineering “NCRDPE-15 “**Role of drives in an automatic waste segregator plant**” May 20th 2016
- Paper in National conference on Recent development in power Engineering “NCRDPE-15” Title “**Solar energy Scenario in India**”,2015
- IEEE paper in the international conference C2SCA 2013, Title “**controllers for the voltage source converter** ”
- International conference on Transformations in Engineering Education2018 “**Effectiveness of Project Based Learning on Outcome Based Education- A case study**”

- International conference on Transformations in Engineering Education 2017 “**A Case Study on 21st Century Teaching Learning Methodologies**” 12th Jan 2017

Additional Responsibilities:

- Time table Officer (2014-15)
- Graduation Day Coordinator (2016- 2019)
- Department Project coordinator(2016-2018)
- Department First Year coordinator(2018-2019)

Invited lectures: Technical talk on “Basic Electrical Engineering” in Induction Program at FET MJP Rohilkhand University. Bareilly 5th august 2019

Place: Bangalore

Ms.Soniya Agrawal