

**National Workshop
On
Design and Control of Power Electronic
Devices & Renewable Energy Sources using
Matlab**

6th & 7th April 2018

REGISTRATION FORM

Name :
Designation :
Institution/
Organisation :
Postal Address :
Telephone :
Email address :
Is accommodation required? Yes [] No []
DD Details :
DD No. _____ dated _____
Bank _____
(Crossed Demand Draft in favour of “The HOD, EIE
Department, B.S.Abdur Rahman Crescent Institute of
Science & Technology” payable at Chennai, India)

Declaration:

I hereby declare that the given information are
true the best of my knowledge.

Place:

Date: Signature of the participant

IMPORTANT DATES

Last Date for Submission of
Registration Form along
With D.D : 02/04/18

Selection Intimation : 03/04/18

Confirmation from
Participant : 04/04/18

The number of seat is limited and the participant
will be chosen on first come first serve basis.

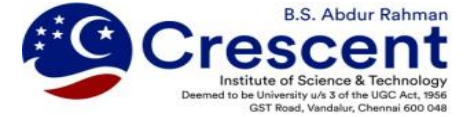
Spot registration possible with prior intimation

Address for Correspondence:

The Co-ordinators,
Department of Electronics and Instrumentation
Engineering,
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**NATIONAL WORKSHOP
On**

**DESIGN AND CONTROL OF POWER
ELECTRONIC DEVICES &
RENEWABLE ENERGY SOURCES
USING MATLAB**

6th & 7th April 2018

Convener

Dr.P.K.Jawahar
Dean (Student Affairs) & HOD/EIE

Co-ordinators

Ms.G.Anitha, AP(SG)/EIE
Ms.P.R.Hemavathy, AP(SG)/EIE
Ms.N.Sivaramakrishnan, AP/EIE

**Organized
by**

**Department of
Electronics and Instrumentation Engineering**

**School of Electrical and
Communication sciences
B. S. Abdur Rahman Crescent Institute of
Science & Technology, Vandalur,
Chennai – 48.**

ABOUT THE INSTITUTION

B.S. Abdur Rahman Crescent Institute of Science and Technology (formerly B.S. Abdur Rahman Crescent Engineering College) has been established under section 3 of the UGC Act 1956. Being one of the most sought after institution in India, B.S. Abdur Rahman Crescent Institute of Science and Technology is committed to provide three dimensions of higher education Viz. Quality teaching, Innovative Research and Appropriate Applications of knowledge through Extension, Outreach and Consultancy Activities. The University has 7 schools comprising of 18 departments offering 12 undergraduate and 17 post graduate programmes, besides research programmes in all the department. All eligible programmes are accredited by National Board of Accreditation (NBA). The quality system of the Institute is ISO 9001:2008 certified. It is located in a sprawling green lush area, spanning 50.19 acres adjacent to the Arignar Anna Zoological Park in the GST Road (NH-45), Vandalur, Chennai, Tamil Nadu.

DEPARTMENT PROFILE

The Department of Instrumentation & Control Engineering was started in the year 1995. Since the year 2009 the department was changed to Department of Electronics & Instrumentation Engineering. At present the department of EIE offers B.Tech (Electronics and Instrumentation

Engineering) and M.Tech (Electronics and Instrumentation Engineering). UG Programme accredited thrice since 2002 and PG Programme accredited in 2017. The department has excellent infrastructure with sophisticated equipments procured from reputed companies around the world. Qualified and experienced faculty members of the department are an asset to the department. It endeavors to promote interaction with the industry and to take up R&D activities for the betterment of society.

ABOUT THE WORKSHOP

Recently, renewable energy power generation becoming popular worldwide. Renewable energy sources and its grid connections have various challenges. Power electronics is an extremely important element and widely used in renewable energy systems. Basically, it uses high-efficiency switching power semiconductor devices to convert and control electrical power with the help of dc-to-dc, dc-to-ac, ac-to-dc, and ac-to-ac converters that are applied extensively in industrial, commercial, residential, transportation, aerospace, military, and utility systems. The aim of this workshop is to illustrate the role of Power Electronics in the research and development of renewable energy systems using Matlab.

RESOURCE PERSON

**Dr.G.Uma, Professor & Head,
Department of Electrical and Electronics
Engineering, AnnaUniversity, Chennai**

**Dr. M.Venkateshkumar, M.E., Ph.D,SMIEEE
Associate Professor, Dept of EEE, AVIT.
Member of R&D - IEEE Smart Cities USA.
Chairman, IEEE Young Professional Affinity
Group, Madras Section.
Vice Chairman, IEEE - Power and Energy
Society, Chennai.**

COURSE CONTENTS

- ❖ Introduction to Simpower system
- ❖ Modeling of various Power Electronics Devices (Rectifier, Converter, Inverters)
- ❖ Design of Controllers for converters and Inverters
- ❖ Design of Renewable Energy System and its controllers
- ❖ Hands-on training

ELIGIBILITY

Faculty/ Research Scholars/ PG/ UG students from various engineering colleges.

REGISTRATION FEE

Academicians	: Rs.1000/-
Research Scholars	: Rs.750/-
PG/UG Students	: Rs.500/-
Industry Persons	: Rs.2000/-