

DEPARTMENT ELECTRICAL AND ELECTRONICS ENGINEERING

Workshop

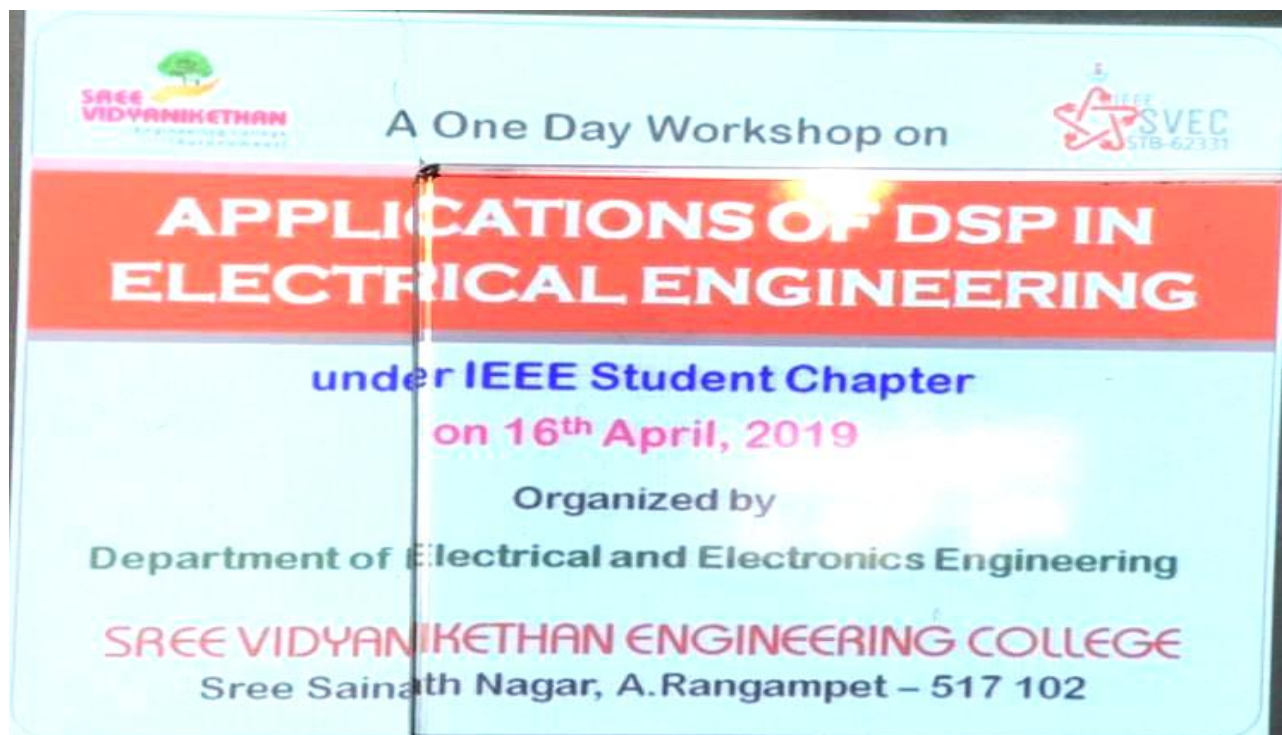
on

Applications of DSP in Electrical Engineering

held on

16th April, 2019

IEEE Student Chapter of SVEC has organized a one-day workshop on “Applications of DSP in Electrical Engineering” on 16th April, 2019. The objective of this workshop is to make the students acquaint with the importance and usage of Digital Processors in Electrical Engineering applications. Along with this concept, knowledge of designing the circuits according to the real time requirements using DSP processor is also provided to the students. Nowadays, DSP processor is being used widely by all the types of industries for providing efficient controlling scheme. This was a good opportunity for inquisitive students that provide access to high quality resources and free Internship opportunities.



The session includes

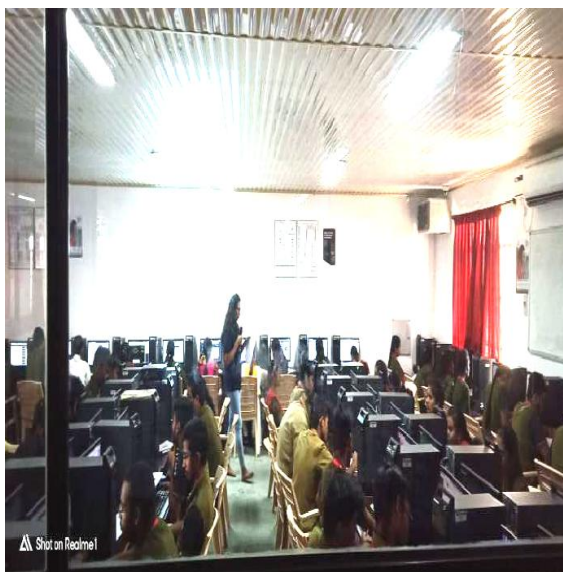
- i. Overview of DSP processor and its applications over electrical engineering.
- ii. Designing DC/DC converter circuit using DSP processor using MATLAB/SIMULINK and hands-on practical training on circuit designing.
- iii. DSP processor based stepper motor control.



Mr. G.S.Arunkumar, Asst. Professor of EEE briefing about the workshop

The workshop was held on the following lines:

A Brief Overview on DSP processor (45 minutes)	Dr.S.Hemachandra
Designing of DC/DC converter using MATLAB (120 minutes)	Mr.G.S.Arunkumar
DSP based Stepper motor control (50 minutes)	Dr.I.Kumaraswamy
Hands-on training on designing concept (120 minutes)	
And simultaneous filling of feedback forms	
Q & A Session	



80 students from EEE stream, have registered and participated in the workshop.



Participants with organizers