

Report on
TEQIP III/ INDUSTRY SPONSORED WORKSHOP ON Microgrid, WAVECT &
RCPTT held at GNDEC

A TEQIP III/ Industry sponsored workshop was organized in association with M/s. Entuple Technologies, Bengaluru at GNDEC, Ludhiana. The participants gained insight on WAVECT real-time control prototyping system which is an ideal for leading edge research and development commencements in power conversion systems nowadays. The session which began with a welcome note by Dr. Arvind Dhingra, convener, workshop, WMG, was followed by an address by Dr. Sehijpal Singh, Principal GNDEC, in which he updated the audience about latest in the field of sustainable energy and why we should make the maximum utility of these in contrast to the non renewable energy resources.

The expert sessions by resource personnel's from Entuple Technologies Er. Bernard & Er. Abhishek illustrated how the high end FPGA WAVECT Controller, comprising of fast computing and IO devices, is designed to address today's complex problems. They illustrated how the monitoring and control parameteral information from the WAVECT box be beneficial for field engineering especially for power transmission & distribution sectors because the power analyser measurements & power panel probes data from WAVECT software would help in speedy detection & recovery of the fault location. An expert lecture on intricacies of microgrid was delivered by Dr. Y.P.Verma, UIET, Chandigarh. He explained a micro grid project allotted to him by DST which was executed in Leh. Dr. K.D. Singh, HOD, Department of Electrical Engineering, accentuated the use of modern device controller Microgrid Lab for industrial & research applications, wherein the easy and powerful model based development environment brought up in the Power System Lab of Department of Electrical Engineering, GNDEC can be used as a RCPTT dedicated instrument for a complete control prototyping research & innovation problems.

The session ended with an insight on practical assembly of the module presented by Pf. Shivani Abrol and a word of thanks by Pf. Baljeet Singh, Co Convener of the workshop.

