

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

Department of Electrical Engineering
in association with Electronics & ICT Academy
A Six Day Faculty Development Programme (FDP)
On

Integration of Renewable Energy Sources

Venue: E & ICT Seminar Hall

Schedule (Time Table): 40 Hours

Dates: 3-8 June 2019

Day/Time	Session-1	Session-2	Session-3		Session-4	Session-5	Session-6	Session-7
	9.00-10.00 AM	10.05- 11.05 AM	11.30-12.30PM		2.00-3.00 PM	3.05-4.05PM	4.30-5.30PM	5.35-6.35PM
3-6-2019 (Monday)	Inauguration	Indian Power Sector- A Scenario (NS)	Photovoltaic Technology (SJ)	L U N C H B R E A K	Modeling and Design of PV System (SJ)	Partial Shading and Leakage Current Issues (SJ)	Wind Energy- Operation and Control (AK)	Power Converters for Wind Turbine Systems (AK)
4-6-2019 (Tuesday)	PV Power Conditioners (SJ)	MPPT Techniques used in the PV System (SJ)	Doubly fed induction Generator (VTS)		LAB - 1 Simulation of PV system with Various Power Conditioners and MPPT (SJ/AK)			
5-6-2019 (Wednesday)	Direct Drive PMSM & BLDC for Wind Power Generation (VTS)	Fuel Cell Technology (AK)	Fuel Cell Power Conditioners (AK)		LAB - 2 Simulation of Fuel Cells with Various Power Conditioners (SJ/AK)			
6-6-2019 (Thursday)	PV based Pumped system for Agricultural applications (VTS)	Introduction to DSP (SK)	DSP Programming (SK)		LAB - 3 DSP Programming / Matlab Interface and Hardware Demonstration (VTS/SK/AK)			
7-6-2019 (Friday)	Power Quality Issues and Grid Standards (SK)	Introduction to FPGA (SK)	FPGA with Xilinx (JSK)		LAB - 4 Simulation of PWM generation in Matlab using Xilinx FPGA Blocks and Hardware Demonstration (SK/AK/JSK Instruments)			
8-6-2019 (Saturday)	Human Values and Ethics (E&ICT)	Human Values and Ethics(E&ICT)	Electric Vehicles (SSR)		Visit of 1 MW Solar System (NS/VTS/AK)		Valedictory Function & Certificates Distribution	

Resource Persons:

NS: Prof. N. Subrahmanyam (NIT-Warangal)
VTS: Prof. V.T. Somasekhar (NIT-Warangal)
SSR: Prof. S. Srinivasa Rao (NIT-Warangal)
AK: Dr. A. Kirubakaran, Assistant Professor (NIT-Warangal)

SK: Dr. K. Sivakumar, Associate Professor (IIT-Hyderabad)
SJ: Dr. Sachin Jain, Associate Professor (NIT-Raipur)
JSK: M/S. JSK Instruments, Chennai