

# DEPARTMENT OF ELECTRICAL ENGINEERING

## INDUSTRIAL POWER LABORATORY-4

### DISTRIBUTED ENERGY RESEARCH LAB

#### Sponsored R&D Projects Completed:

Sl. no	Title	Sponsoring organisation	Cost (Lakhs)	Year
1	POWER QUALITY IMPACT ON DOMESTIC ENERGY METERS (Dr. ASHOK S and Dr. PREETHA P)	FRP,NITC	0.25	1999
2	UNIFIED EXPERT CONTROLLER STRATEGY DESIGN FOR HYBRID ENERGY SYSTEM (Dr. ASHOK S)	MHRD, R&D	14.0	2005
3	DEVELOPMENT OF MPPT OF SOLAR PV SYSTEM (Dr. ASHOK S and Dr. SUNITHA R)	FRP,NITC	00.25	2006
4	POWER QUALITY IMPACT ON ELECTRONIC ENERGY METER (Dr. ASHOK S and Dr. PREETHA P)	FRP, NITC	00.50	2006
5	DEVELOPMENT OF OPTIMAL PICO HYDEL GENERATOR FOR RURAL AREAS (Dr. ASHOK S)	Dept. of Forest Govt. of Kerala	00.45	2007
6	DEVELOPMENT OF CENTRE FOR POWER QUALITY AND ENERGY RESEARCH (Dr. ASHOK S)	FIST-DST	100	2014
7	SECURITY ASSESSMENT OF MICRO GRID IN ISOLATED AND GRID CONNECTED MODE	NaMPET-II, CADC	15.00	2015-2016

#### Ph.D Projects Completed:

Sl. no	Title	Research Scholar	Supervisor	Status
1	OPTIMAL INTEGRATION OF HYBRID ENERGY SYSTEM	BALAMURUGAN P	DR. ASHOK S, DR. T L JOSE	COMPLETED IN 2011
2	OPTIMAL POWER MANAGEMENT STRATEGY OF HYBRID ENERGY SYSTEM	S KUMARVEL	Dr. ASHOK S	Completed in 2013
3	DEVELOPMENT OF MULTI INPUT DC-DC CONVERTER TOPOLOGIES FOR HYBRID RENEWABLE ENERGY INTEGRATION	SIVAPRASAD	DR. KUMARAVEL S, DR. ASHOK S	Completed in 2018

#### M.Tech Projects Completed: 22

No: of Ongoing PhD Projects

3(Full time) &2(Part time)

No: of Ongoing M.Tech Projects

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