

Electrical Topics:

<b>MITI KE</b>	<b>TOPIC LIST</b>
1	Ultrafast electronic circuit breaker
2	Speed control of four quadrant dc motor
3	Theft intimation in case of tampering of energy meter
4	Oil cooled Transformer fault detection
5	Islanding power grid
6	Auto power from 4 different sources for uninterrupted backup
7	Power grid failure alert on sensing frequency
8	Smart energy meter(water ,load, gas)
9	Energy meter with bill monitoring with load control
10	5 level multi inverter single phase
11	Water pump gate control for dams using plc
12	Zero delay SCR based speed control for single phase motor
13	Keypad based circuit breaker
14	PC based electrical load control
15	Power control by integral cycle switching without generating harmonics
16	Substation transformer monitoring using Zigbee
17	Multi power generation(wind,solar,230,pedal)
18	Underground cable fault detection
19	Marx generator based high voltage using MOSFETs
20	IGBT, MOSFET soft start for induction motor
21	Optimum power management
22	BLDC speed control using PWM
23	Grid failure synchronization alert
24	Three phase fault analysis permanent trip otherwise



25	Sequential switching system for motors
26	SCR based high power dual convertor
27	Control area network circuit breaker(3 microcontrollers)
28	SCR based single phase Cycloconvertor
29	Automatic power factor compensation for minimising penalty
30	Facts flexible ac transmission using svc
31	Facts flexible ac transmission using TSR
32	Ac motor control using PWM
33	Three phase solid state relay with ZVS
34	Programmable load shedding time management
35	BLDC motor with speed control with rpm display
36	Upfc related display of lag and lead power
37	Auto selection of any available phase in case of power cut ( three phase )
38	Single phase to three phase convertor using sine pulse width modulation
39	Space vector pulse width modulation ( single & three phase )
40	Hot line robot for transmission line maintenance

