



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE,  
CHANDKHEDA

**Brief Report of Expert Talk on “Power System Protection”** dated  
31/07/2019, Wednesday

Name of Department/Organizer	:	Electrical Engineering Department ( under IEI student chapter )
Date & Time	:	31/07/2019, Wednesday & 11:00 to 01:00 PM
Venue	:	Vishwakarma Government Engineering college, Chandkheda
No of Participants	:	45

• **Objective of the Event**

The event was mainly organized to conduct a seminar on **Power System Protection** for Student committee members of IEI student chapter to discuss the current trends and future prospects in electric power system.

• **Outcome of the Event**

The student committee members were informed about the importance of protection of equipment and maintenance staff's safety. The objective of a protection scheme is to keep the power system stable by isolating only the components that are under fault, whilst leaving as much of the network as possible still in operation. Protection is the branch of electric power engineering concerned with the principles of design and operation of equipment called "protective relays" which detect abnormal power system conditions and initiate corrective action as quickly as possible in order to return the power system to its normal state. He gave the knowledge about various factors affecting the power flow such as reliability, Power quality, cost, safety etc. By giving the practical example he discussed all the aspect that related to power system protection. The speakers discussed about the various types of transient and sustainable faults. He also discussed the symmetrical and asymmetrical faults and its effect on grid .He discussed what are the causes of power failure and due to which cascade tripping is occur by comparative analysis .The speakers at the event very passionately discussed about the application and characteristics of different relays which are used in power system.

- **Event Photographs**

