



# Future of Electrical Engineering

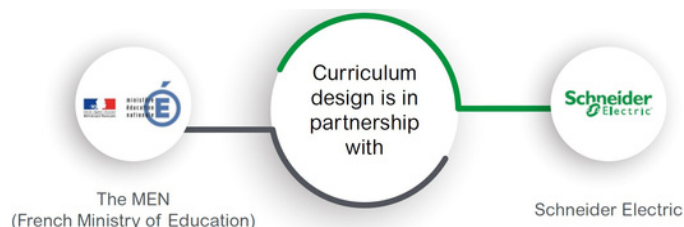
## Electricity, Automation and Energy Management COE

The megatrends of urbanization, digitization and industrialization is provoking the rise in energy demand leading to job creation. The current technology disruption caused by IoT, Industry 4.0 enabled by technology developments in mobility, cloud, sensing, analytics and security, creates the need for highly skilled human capital to innovate, operate and maintain this technology in the new environment.

Technological changes fueling innovation...



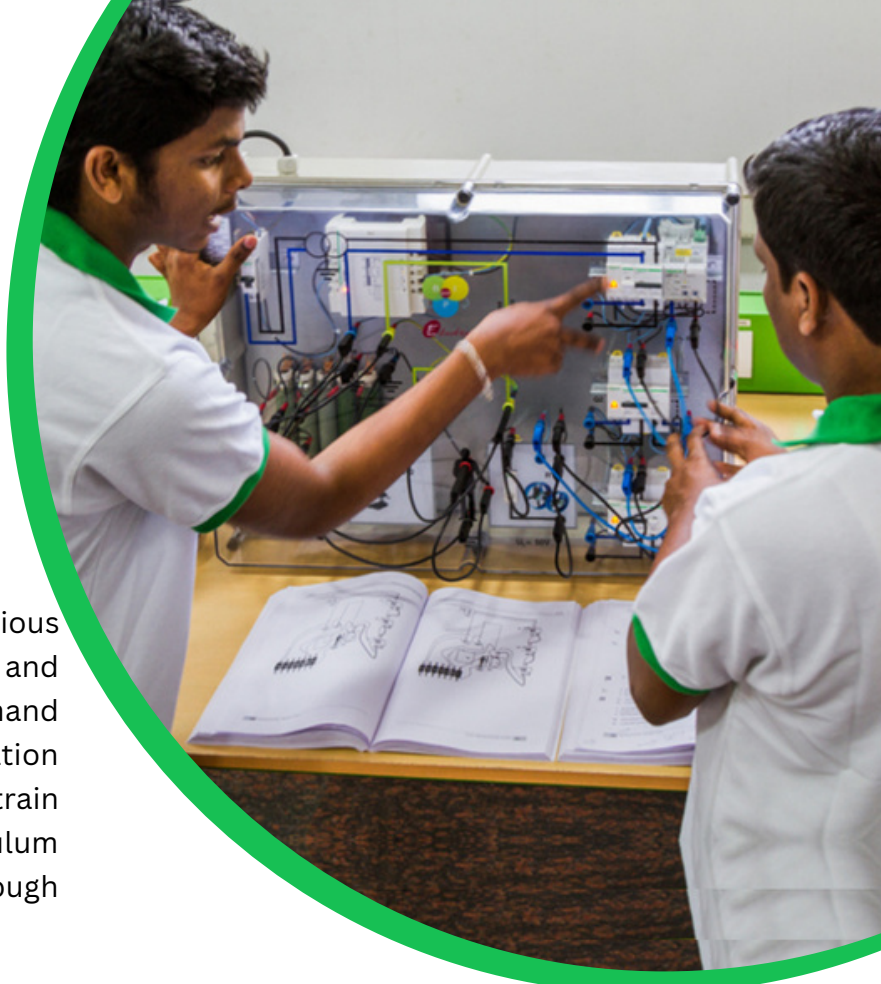
### Curriculum and Teaching pedagogy



**Schneider Electric**, the global specialist in Energy Management and Automation, has always been committed to support training in Electricity, Automation and Energy Management. Working together with the French Ministry for Education, Schneider has forged relationships between stakeholders in the education system and the world of business.

**DELFOI TANOTI Technologies Pvt Ltd** established in 2012, has been partnering with OEM's world over to introduce trending technology to INDIAN commercial and educational institutes. Our unique service proposition to institutes is Build-Operate-Transfer (BOT) model, and have successfully implemented the Center Of Excellence (COEs) for technical institutes across INDIA for various disciplines.

Schneider Electric is actively working with various education providers, engineering colleges and universities to provide training in high-demand job skills in the fields of Electricity, Automation and Energy Management. Our aim is to train skilled human capital with a quality curriculum backed by systematic experiments through practical exercises.



Schneider Electric is committed to the energy transition, a process which is driving countries' economic growth. To bring about this change, everyone need to increase the use of renewable energies, but also focus to manage our energy requirements more efficiently. The digitization of consumption data and production methods will help to redress the balance between consumption and sustainable development, between comfort and efficiency. The success of the new technologies will depend on how the young engineers will adopt and upskill as per trends. Electrical domain trends are grouped as below table:

Sl.No	Learner Equipment Description	Basic	Industrial	Commercial	Kit Image
1	Basic function domestic panel	✓			
2	Industrial control and machine safety - Motor starting panel	✓			
3	Quality of energy - Grounding schemes	✓			
4	Applications in the building trade - selectivity of protecting systems	✓			
5	Energy efficiency and regulation - energy efficiency in ventilation	✓			
6	Home Automation System	✓			
7	HMI and PLC		✓		
8	Automatic control and communication - PLC application Panels		✓		
9	Industrial control and machine safety - Industrial detector		✓		
10	Medium Voltage		✓		
11	Quality of energy - Basics of reactive energy			✓	
12	Quality of energy - Reactive energy Advanced			✓	
13	Renewable energies - Micro solar plant for OFF-GRID locations			✓	
14	Renewable energies - Solar water pumping			✓	
15	Application Of Photovoltaic/wind power for isolated locations			✓	
16	Intelligent City Electrical Grid Operations			✓	

Authorised Academic partner

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