

## How CSE students could benefited from IEEE PES

To build and operate electrical systems, there is often a need for technicians and engineers. Smart inventions involve contributions from various domains. For example, IT specialists would be required to develop the circuitry and components if the electric car market takes off. Again, we will witness how machine learning and AI are used to accelerate developments as the world progresses. In particular, in the power sector, a computer science specialist is needed to build systems such as energy grid automation.

In addition to optimizing the operation, maintenance, monitoring, preparation and implementation of power plants, artificial intelligence (AI) will minimize energy waste, lower costs, and accelerate the usage of clean, renewable energy sources in power grids globally. Therefore, AI is closely related to the energy required for sustainable, clean, and affordable growth. Besides, if we look closely, the energy sector's transformation has generated a structure that can effectively organize the different institutions in the power sector, enabling them to interact efficiently and operate at an optimum level that can be controlled by employing contact with the power grid. It cannot be researched, managed, planned, designed without the help of CSE students. So, in power system communication, the contribution of a CSE student is essential.

These are a few of the scopes highlighted to a member who has joined the IEEE Power and Energy Society. As IEEE PES is a community of engineers from diverse backgrounds, it enables the members to network, mentor, and motivate one another. The resources provided by IEEE PES significantly helps the students learn, explore and develop their knowledge and hence choose the area they are most interested in to pursue their careers in and leverage technology for the betterment of humanity and create more power to the future!

Jobs for CSE in Electrical companies

- Coding for simulation-based softwares
- Data Analyst, Data Scientist, Data engineer
- IT Work