



## WEBINAR ON

# ELECTRIC VEHICLES AND GRID INTEGRATION OF RENEWABLE ENERGY SYSTEMS

**DATE: 29.08.2020 (Saturday) | TIME: 3:00 to 5:00 PM**

### About Webinar:

Efficient urban mobility and urban transport is one of the ten core infrastructure elements essential for the development of smart cities. As compared to the traditional internal combustion engine, electric vehicles (EVs) offer energy efficient transportation with reduced carbon emissions. Hence, the academic and industrial interest in EVs is increasing leaps and bounds. An EV with battery charged from utility network power by thermal power plant indirectly will not serve the purpose of building a sustainable tomorrow. Hence, renewable energy based electric power generation and its grid integration is important.

### Webinar Coverage:

- Electric Vehicles: Classification and Key Components,
- Electric propulsion system,
- Vector Control, V2G and G2V,
- Grid Integration of Renewable Energy,
- Standards and Grid Synchronization Algorithms,
- Research Avenues.

**E-Certificate will be issued**



**NATIONAL PRODUCTIVITY COUNCIL (NPC)**  
(under DPIIT, Ministry of Commerce & Industry, GoI)

**Dr. AMBEDKAR INSTITUTE OF PRODUCTIVITY (AIP)**  
Chennai.

**Speaker:**



**Dr. Amit Sant**, Ph.D. (IIT, Delhi), PDF (Masdar Institute of Science and Technology, Abu Dhabi), Assistant Professor, Department of Electrical Engineering, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat. His Research interests include power electronics, electric drives, electric vehicles, grid integration of renewable energy and power quality enhancement.

**Registration Link:**

<https://www.npcindia.gov.in/NPC/User/webinarpage>

**Registration Fee: Rs.650/-**  
(Inclusive of GST)

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