



## ***Impact of renewable energy on the electric grid and Benefits of IEEE Power and Energy Society***

**Date:** 21/04/2021

**Time:** 07:00PM-07:45PM

**Venue:** Cisco WebEx Meet

**Speaker:** John McDonald, IEEE Life fellow, Smart Grid Business Development Leader for GE'S Grid Solutions business.

**Number of people attended:** 100 in the meet and 100 in live

The speaker discussed about these topics:

- A Brief intro about Renewable Energy
- Generation of Renewable Energy and What Distributed Generation is.
- Distributed Generation Integration
- Storage of Renewable Energy
- Grid Edge Microcontrollers and their working
- A five level journey to digital transformation
  1. Reactive
  2. Responsive
  3. Predictive
  4. Prescriptive
  5. Autonomous
- Impact of high penetration of rooftop of solar pv on the distribution system
- About IEEE and how IEEE helps enthusiasts to excel in their life.
- About IEEE Power and Energy Society
- The benefits of IEEE Power and Energy Society.
- Suggestions for students to evolve themselves.

He concluded the webinar by a very interactive Q&A session and through enlightening the participants by making the aware of Renewable energy and benefits of IEEE Power and Energy Society.

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TEAM

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**IEEE Hyderabad Section Student Activities Committee**  
Presents  
**IEEE PES Day Celebrations 2021**

**WEBINAR ON**  
"Impact of renewable energy on the electric  
grid and Benefits of IEEE Power and  
Energy Society."

**John McDonald**  
IEEE Life fellow  
Smart Grid Business Development Leader for GE'S  
Grid Solutions business

**21<sup>st</sup> April 2021**  
7:00 PM – 7:45 PM

Register at: <http://bit.ly/IEEEHyd-PESDay2021>

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