

Guest Lecture On PHYSICS-“DIELECTRIC MATERIALS”

Resource person: Dr. G. Murugesan Assistant Professor-VelTech.-Chennai

**Gokula Krishna college of Engineering  
Sullurpet, Nellore-District AP**



**Chief Guest**

**DR. MURUGESAN GANESAN**  
Assistant professor  
Department of Physics  
Veltech Rangarajan  
Dr. Sagunthala R&D  
Institute of technology and science  
**Chennai**

**Department of H&S  
Organizes  
Guest Lecture  
ON  
Modern Physics  
And  
Applications**

**Zoom Live Online** 

**from 15/6/2021 to 19/6/2021**

**10AM-11AM**

Zoom Meeting

Participants (5)

Students solving Engineering Grand Challenges through Nanotechnology

**AUBURN UNIVERSITY**

- ❖ Make Solar Energy Economical
- ❖ Reverse Engineer the Brain

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Zoom Meeting

Participants (5)

**POLARIZATION TYPES**

- ELECTRONIC POLARIZATION
- IONIC POLARIZATION
- ORIENTATION POLARIZATION
- SPACE CHARGED POLARIZATION

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Date:

Zoom Meeting

Participants (5)

**14 Engineering Grand Challenges**

**NAE GRAND CHALLENGES FOR ENGINEERING**

- Advance Personalized Learning
- Enhance Virtual Reality
- Engineer Better Medicines
- Restore and Improve Urban Infrastructure
- Provide Access to Clean Water
- Manage the Nitrogen Cycle
- Develop Carbon Sequestration Methods
- Prevent Nuclear Terror
- Make Solar Energy Economical
- Reverse Engineer the Brain
- Advance Health Informatics
- Secure Cyberspace
- Provide Energy from Fusion
- Engineer the Tools of Scientific Discovery

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**SPACE CHARGED POLARIZATION**

Electrode Dielectric Electrode

Fixed charge Mobile charge Space charge Accumulated charge Grain boundary or interface

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