



POORNIMA

COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

Poornima College of Engineering, Jaipur

Activities Organized under the MoU with Soha Technologies Pvt. Ltd., Jaipur

| S. No. | Department | Date | Type | Name of Activity | Page No. |
|--------|---|------------|-------------|---|----------|
| 1 | Electronics & Communication Engineering | 11/07/2017 | Expert Talk | Thermoelectric Cooling Technology for Defense & Consumer Applications | 2-9 |



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A REPORT ON EXPER LECTURE

TITLE AND DURATION: “Thermoelectric Cooling Technology for Defence & Consumer Applications” on July 11, 2017.

SPONSORS & SUPPORTERS: MoU-PCE and Soha Technologies Pvt. Ltd., Jaipur

ORGANIZER(S): Department of Electronics & Communication Engineering, Poornima College of Engineering, Jaipur.

EXPECTED OUTCOMES:

- Demonstrate a sound technical knowledge of their selected seminar topic.
- Design engineering solutions to complex problems utilising a systems approach.
- Demonstrate the knowledge, skills and attitudes of a professional engineer.

MAPPINGS WITH PO & PSO:

| CO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| CO1 | - | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| CO2 | - | - | 2 | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 |
| CO3 | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 2 | 2 |

ASSESSMENT TOOLS: Nil

SEMINAR POSTER



Saturday July 11, 2017

Thermoelectric Cooling Technology for Defence & Consumer Applications

Organized by:
Department of Electronics & Communication Engineering



TIME 10:00 AM - 11:30 AM

RSVP:

Dr. Garima Mathur

drg.mathur@poornima.org

+91-9829393517

EXPERT INTRODUCTION

Mr. Hemant Sharma, Senior Technical Assistant Solid State Physics Laboratory (SSPL) Defence Research & Development Organization (DRDO), Ministry of Defence, Government of India, Worked as Technical Assistant in Solar Energy Centre, Ministry of New and Renewable Energy, Government of India, for 4 and half years. Experience in testing and certification of Solar Thermal devices, Solar Resource Assessment and Solar Resource Mapping across India, Solar Thermal Power Generation. Working as Senior Technical Assistant in SSPL, DRDO for last 4 years. Experience in Thermoelectric Cooling Technology for defence applications. He is Associate Member of Institution of Engineers (IEI), India. He is entitled Chartered Engineer from IEI in the field of Electronics & Telecommunication Engineering. Empanelled Chartered Engineer of MNRE for certification of BoM of Solar power projects in India.

About the Event:

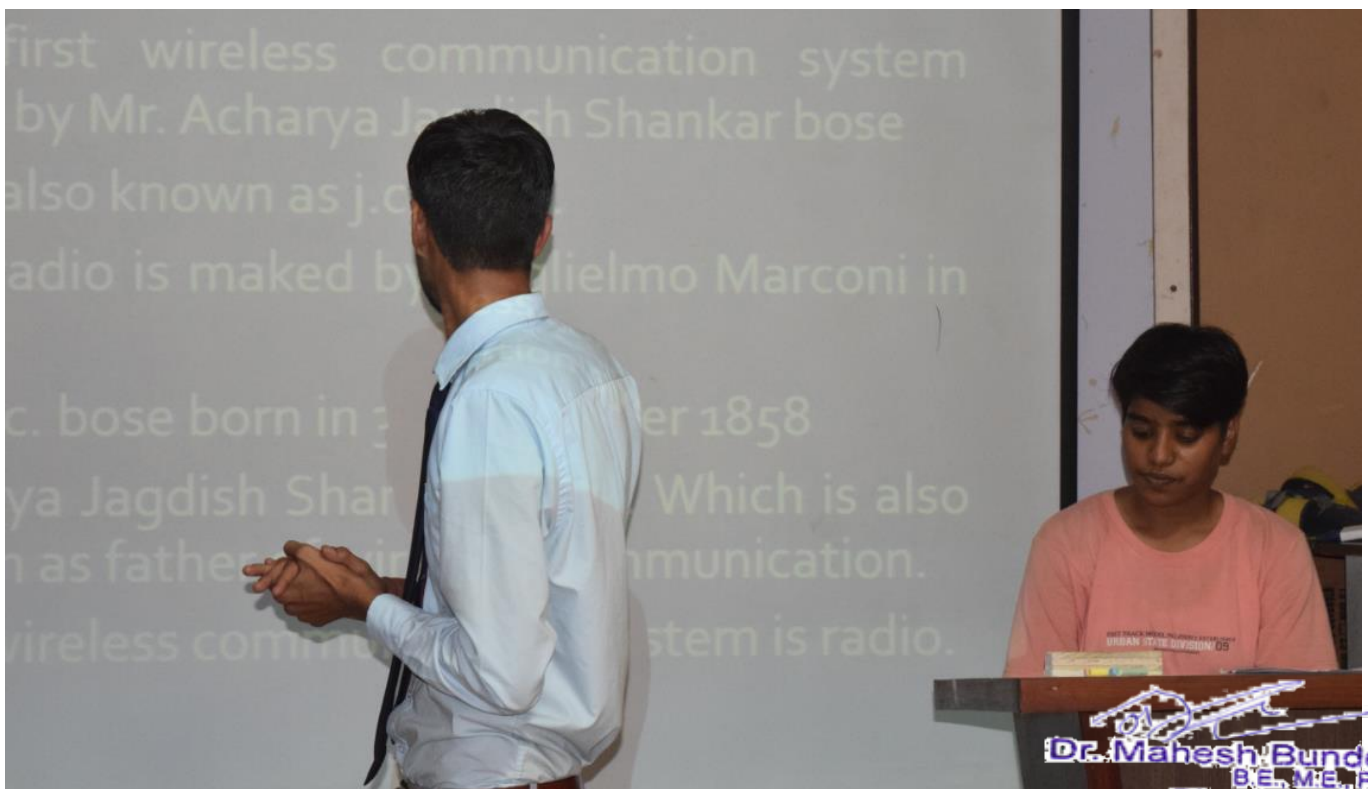
Department of Electronics & Communication Engineering, Poornima College of Engineering, Jaipur, organized a one day National Level Seminar on "**Thermoelectric Cooling Technology for Defence & Consumer Applications**", on Saturday, July 11, 2017, at 10:00 AM. The session was delivered by Mr. Hemant Sharma, Senior Technical Assistant, Solid State Physics Laboratory (SSPL), Defence Research & Development Organization (DRDO), Ministry of Defense, Government of India.

The main objective of this was to discuss about the construction and operation of thermoelectric cooler its performance and applications. Dr. O P Sharma, Director, PCE, Jaipur gave welcome address and brief description about the event. Speaker took an interactive session with participants. He explained that semiconductor based systems can directly convert electrical energy into thermal energy.

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generation purposes or recover waste heat and convert it into electrical power. Ability of thermoelectric coolers gives this technology a vast opportunity in defence as well as other day to day applications. He also emphasized on the applications of Thermoelectric coolers which can be used for heat removal ranging from milliwatts to several thousand watts. They can be made for as small as a beverage cooler or as large as a submarine. Session was so informative and nicely presented. After this wonderful session a query session was conducted to resolve the doubts of participants. At last vote of thanks was delivered by Dr. Garima Mathur, HOD, ECE. 156 participants attended this webinar. This webinar was a good opportunity of effective learning for all the faculty members & Students. E-Certificates were provided to the participants on successful completion of Event.

GLIMPSSCS SESSION







PARTICIPANTS DETAILS

| S. No. | Registration No. | Name of Students |
|--------|------------------|------------------|
| 1 | PCE15EC001 | AAYUSHI BOHRA |
| 2 | PCE15EC002 | ABHIJEET |
| 3 | PCE15EC003 | ABHISHEK GUPTA |
| 4 | PCE15EC004 | ADITI AGRAWAL |
| 5 | PCE15EC005 | AKASH SUMAN |
| 6 | PCE15EC006 | AMAN JAIN |
| 7 | PCE15EC007 | ANANYA KATARA |
| 8 | PCE15EC008 | ANIKET SHARMA |
| 9 | PCE15EC010 | ANKITA PRAJAPAT |
| 10 | PCE15EC011 | ANSHIKA CHECHANI |
| 11 | PCE15EC014 | APOORVA MEENA |
| 12 | PCE15EC015 | ARUSHI GUPTA |
| 13 | PCE15EC016 | ATUL KUMAR SINGH |
| 14 | PCE15EC017 | AVANTIKA SONI |
| 15 | PCE15EC018 | AYUSH CHAPLOT |
| 16 | PCE15EC019 | BHAWANA GAUTAM |
| 17 | PCE15EC020 | BHOOMIKA AGRAWAL |
| 18 | PCE15EC021 | CHITRIKA BAGOTIA |
| 19 | PCE15EC022 | DEVASHISH |

| | | |
|----|------------|------------------------|
| 20 | PCE15EC023 | DIKSHANT KUMAR RATHORE |
| 21 | PCE15EC025 | GUDDU KUMAR |
| 22 | PCE18EC026 | GULSHAN RANA |
| 23 | PCE15EC027 | HARSH SAINI |
| 24 | PCE15EC028 | HARSH SHARMA |
| 25 | PCE15EC029 | HRITIK KUMAR |
| 26 | PCE15EC030 | ISHITA CHAUHAN |
| 27 | PCE15EC031 | JAYESH SINGH CHOUHAN |
| 28 | PCE15EC032 | JINESH KHANDELWAL |
| 29 | PCE15EC033 | KONIKA JAIN |
| 30 | PCE15EC034 | LAKSHYA RUSTAGI |
| 31 | PCE15EC035 | MANAAL MISHRA |
| 32 | PCE15EC036 | MANDRAWLIA NARIN |
| 33 | PCE15EC037 | MANISH KUMAR |
| 34 | PCE15EC038 | MANISH KUMAR SHARMA |
| 35 | PCE15EC039 | MANU JAIN |
| 36 | PCE15EC040 | MAYUR MAHESHWARI |
| 37 | PCE15EC041 | MOHIT SONI |
| 38 | PCE15EC042 | MUKUL CHOUDHARY |
| 39 | PCE15EC043 | NEERAJ KHANDELWAL |
| 40 | PCE15EC044 | NEHA |
| 41 | PCE15EC045 | NIKSHUBHA SHARMA |
| 42 | PCE15EC046 | NITISH KUMAR CHOUDHARY |
| 43 | PCE15EC047 | PAYAL DHAR |
| 44 | PCE15EC048 | PRATIK PRABIR |
| 45 | PCE15EC049 | PRIYANSHU JAIN |
| 46 | PCE15EC050 | RAHUL RATHI |
| 47 | PCE15EC051 | RAVI RANJAN KUMAR |
| 48 | PCE15EC052 | RAVINA SRIVASTAVA |
| 49 | PCE15EC053 | RITIK SHARMA |
| 50 | PCE15EC054 | RIYA JAIN |
| 51 | PCE15EC055 | ROJ KANWAR |
| 52 | PCE15EC056 | SAIPHALI AGRAWAL |
| 53 | PCE15EC057 | SAKSHAM SONI |
| 54 | PCE15EC061 | SHUBHAM TIWARI |
| 55 | PCE15EC062 | STUTI GITE |
| 56 | PCE15EC063 | WAPNIL RAJ SONI |
| 57 | PCE15EC064 | UTKARSH AGRAWAL |

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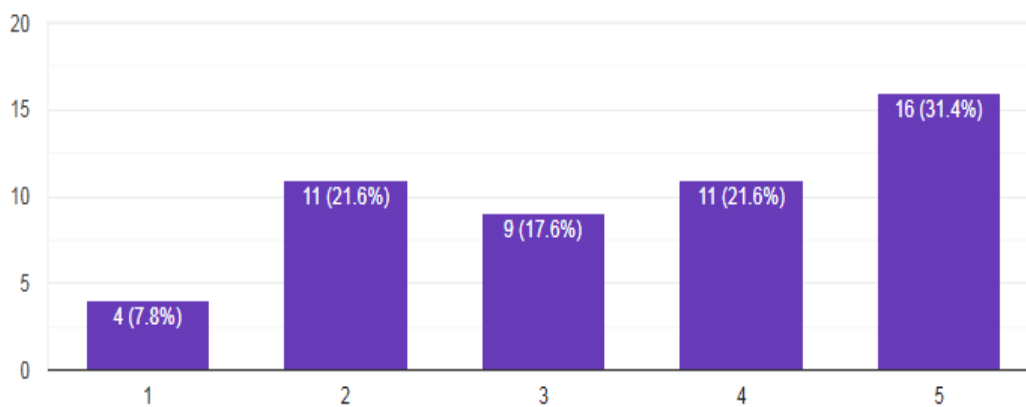
| | | |
|----|------------|------------------|
| 58 | PCE15EC065 | UTSAV SHARMA |
| 59 | PCE15EC066 | VANSH GUPTA |
| 60 | PCE15EC067 | VANSHIKI AGARWAL |
| 61 | PCE15EC069 | VIKASH KUMAR |
| 62 | PCE15EC502 | SUSHANT MALHOTRA |
| 63 | PCE15EC701 | ALPANA |

FEEDBACK ANALYSIS

Feedback Form: International Webinar on "Thermoelectric Cooling Technology for Defence & Consumer Applications" July 11, 2020

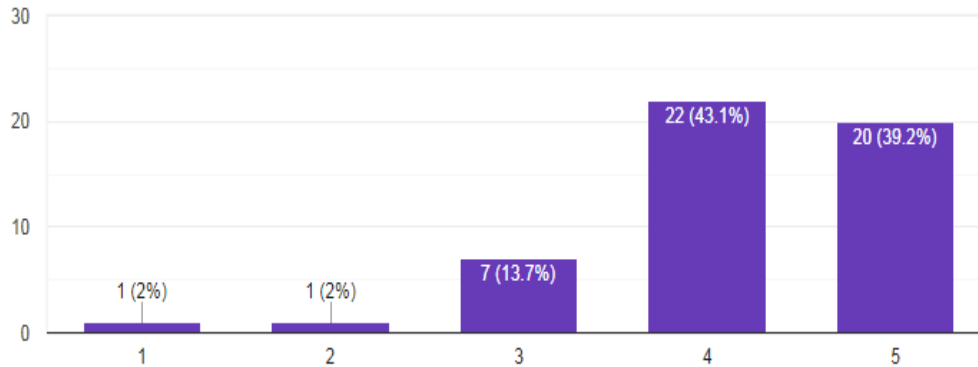
What is your knowledge on Thermoelectric Cooling Technology for Defence & Consumer Applications before this webinar:

51 responses



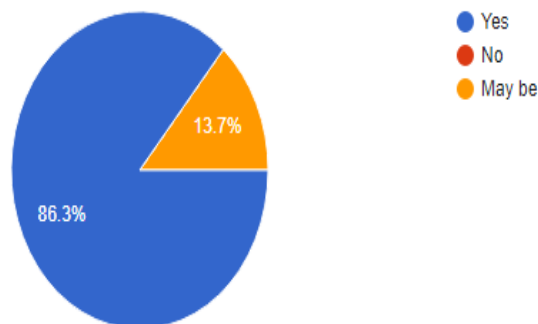
What is your knowledge on Thermoelectric Cooling Technology for Defence & Consumer Applications after this webinar:

51 responses



Are you willing to attend these type of webinars/FDPs in future from us:

51 responses



How clear were the ideas and concepts which speakers presented?*

50 responses

