



Department of Physics

Five days FDP On

"ADVANCED MATERIALS FOR ENERGY STORAGE APPLICATIONS"

18th July 2020 to 22nd July 2020

(Saturday to Wednesday)

A Report

At the outset, we thank our **Honorable Chairman** sir, **Director** sir, both the **Advisors** and **Principal** sir for the encouragement at all levels for the successful completion of the Faculty Development Program on the topic " **“ADVANCED MATERIALS FOR ENERGY STORAGE APPLICATIONS”** from 18th July 2020 to 22nd July 2020.

The FDP was organized by Department of Physics, Velammal Institute of Technology.

The objectives of the FDP were to familiarize with the materials used in energy storage devices among researchers. The FDP was conducted on Google Platform along with other social media. **Dr.S.Soundararajan, Principal**, VIT welcome the speaker and the participants on behalf of VIT and gave a few words about the FDP. **Mr.B.Balamurugan -HoD** First year also gave some insight about college and FDP. The resource persons are from premier institutes and stalwarts in their respective domains.

Day 1: Dr. Mani Karthik, Senior Scientist (STRC), Centre for Nanomaterials, International Advanced Research Center for Powder Metallurgy and New Materials, Govt. of India

Day2: Prof. S. Balakumar, Director, National Centre for Nanoscience and Nanotechnology, Chairman School of Nanoscience and Photonics University of Madras, Chennai

Day 3: Dr.Tiju Thomas, Assistant Professor, Department of Metallurgical and Materials Engineering, IIT Madras

Day 4: Dr.Jayavel, Director, Centre of Nanoscience and Technology, Professor, Crystal Growth Centre, Anna University

Day 5: Dr.S.Shanmugan, Associate Professor, Koneru Lakshmaiah Education Foundation, Andhra Pradesh

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The participants interacted with the speaker and clarified their doubts in their field of research. Many questions were related to the use of supercapacitor, fuel cells of the future. The speakers shared their nature of work in energy storage in their labs and the facilities available in their labs.

Summary of the FDP

Day	Date/time	Topic	Introduction to the Speaker	Vote of Thanks	Total Participants *
I	18 th July 2020, Saturday 14.00hrs to 15.00hrs	Advanced Porous Materials for Supercapacitor Applications	Dr.V. Sindhu HoD,Physics	Dr.R.Saraswathy Faculty Physics	227
II	19 th July 2020, Sunday 14.00hrs to 15.00hrs	Nanocomposites materials for Supercapacitors applications	Dr.R.Saraswathy Faculty,Physics	Dr.A.Subashini Faculty, Physics	230
III	20 th July 2020, Monday 14.30hrs to 15.30hrs	Nitrides and Nanostructures for Energy and environmental Applications	Dr.A.Subashini Faculty, Physics	Mr.A.Arun Faculty. Physics	252
IV	21 st July 2020, Tuesday 15.00hrs to 16.00hrs	Graphene Based Nanocomposites for Energy Storage Applications	Dr.V. Sindhu HoD,Physics	Mr.A.Arun Faculty, Physics	246
V	22 nd July 2020, Wednesday 14.00hrs to 15.00hrs	Recent Smart Materials used for Solar Thermal Applications	Dr.A.Subashini Faculty, Physics	Dr.R.Saraswathy Faculty, Physics	353

*Participants with Category

S. No	Date	Faculty	Research scholars	Students	Total
1	18.07.2020	165	35	27	227
2	19.07.2020	165	37	28	230
3	20.07.2020	175	44	33	252
4	21.07.2020	173	46	27	246
5	22.07.2020	278	48	27	353

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VELAMMAL
INSTITUTE OF TECHNOLOGY
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 All Programs Accredited by NBA and NAAC
 "Velammal Knowledge Park", Chennai - Kollattur Highway, Punnari - 601204







Faculty of Science and Humanities
DEPARTMENT OF PHYSICS

5 - DAYS FACULTY DEVELOPMENT PROGRAMME
ON
"Advanced Materials for Energy Storage Applications"
From 18.07.2020 to 22.07.2020

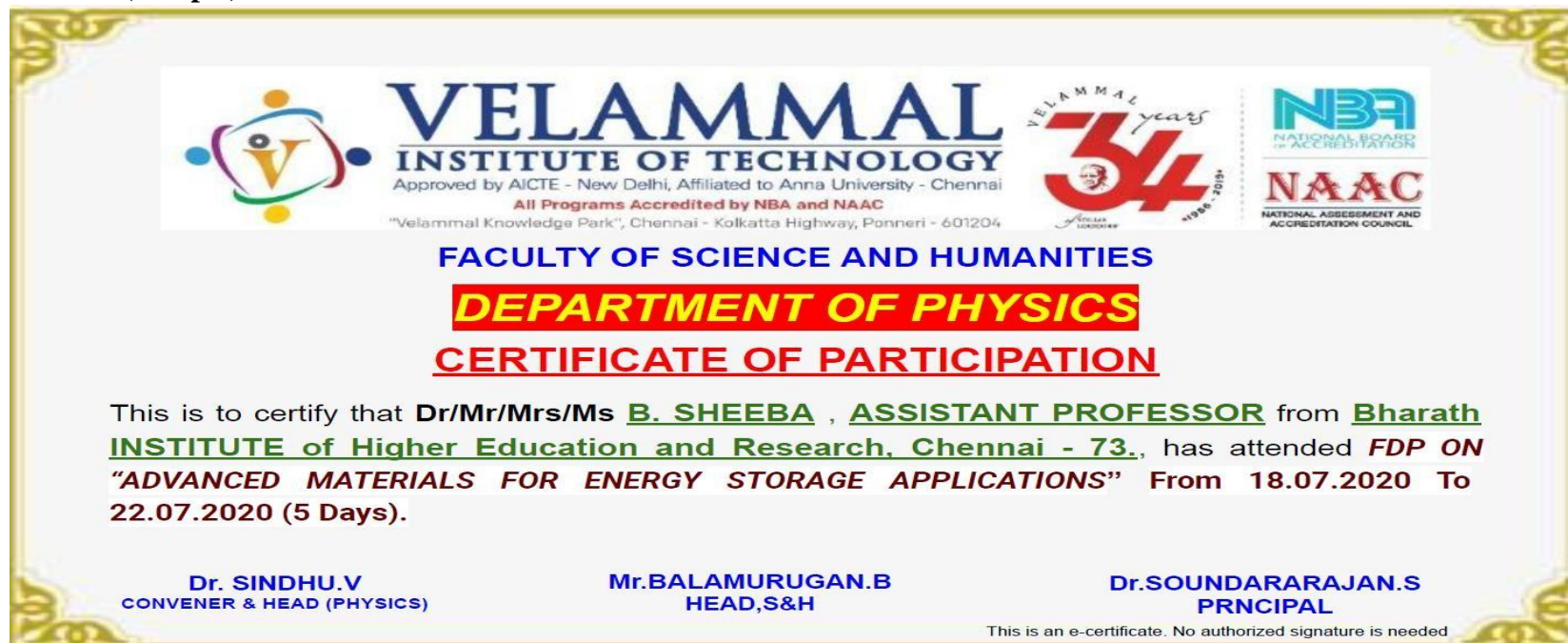
<div style="background-color: #8B0000; color: white; padding: 5px; text-align: center;"> 18.07.2020 (Saturday) 02:00pm - 03:00pm (IST) Advanced Porous Materials for Supercapacitor Applications </div> <div style="text-align: center; margin-top: 10px;">  <div style="background-color: #003366; color: white; padding: 2px 5px;">Dr. Mani Karthik</div> <p style="font-size: small;">Senior Scientist (STRC) Centre for Nanomaterials International Advanced Research Centre for Powder Metallurgy and New Materials (ARC), Hyderabad</p> </div>	<div style="background-color: #8B0000; color: white; padding: 5px; text-align: center;"> 19.07.2020 (Sunday) 02:00pm - 03:00pm (IST) Nanocomposite Materials for Supercapacitor Applications </div> <div style="text-align: center; margin-top: 10px;">  <div style="background-color: #003366; color: white; padding: 2px 5px;">Prof. S. Balakumar</div> <p style="font-size: small;">Director, National Centre for Nanoscience and Nanotechnology & Chairman, School of Nanoscience and Photonics University of Madras, Chennai</p> </div>	<div style="background-color: #8B0000; color: white; padding: 5px; text-align: center;"> 20.07.2020 (Monday) 02:30pm - 03:30pm (IST) Nitrides and Nanostructures for Energy and Environmental Applications </div> <div style="text-align: center; margin-top: 10px;">  <div style="background-color: #003366; color: white; padding: 2px 5px;">Dr. Tiju Thomas</div> <p style="font-size: small;">Associate Professor Department of Metallurgical and Materials Engineering IIT Madras</p> </div>
<div style="background-color: #8B0000; color: white; padding: 5px; text-align: center;"> 21.07.2020 (Tuesday) 03:00pm - 04:00pm (IST) Graphene Based Nanocomposites for Energy Storage Applications </div> <div style="text-align: center; margin-top: 10px;">  <div style="background-color: #003366; color: white; padding: 2px 5px;">Dr. R. Jayavel</div> <p style="font-size: small;">Director, Centre for Nanoscience and Technology, Professor, Crystal Growth Centre Anna University, Chennai</p> </div>	<div style="background-color: #8B0000; color: white; padding: 5px; text-align: center;"> 22.07.2020 (Wednesday) 02:00pm - 03:00pm (IST) Recent Smart Materials used for Solar Thermal Applications </div> <div style="text-align: center; margin-top: 10px;">  <div style="background-color: #003366; color: white; padding: 2px 5px;">Dr. S. Shanmugan</div> <p style="font-size: small;">Associate Professor Koneru Lakshmaiah Education Foundation, Andhra Pradesh</p> </div>	

Registration link : <https://forms.gle/BMvhs5q7DvN3Yt3z5>
 * Registration is free * e-certificate will be provided

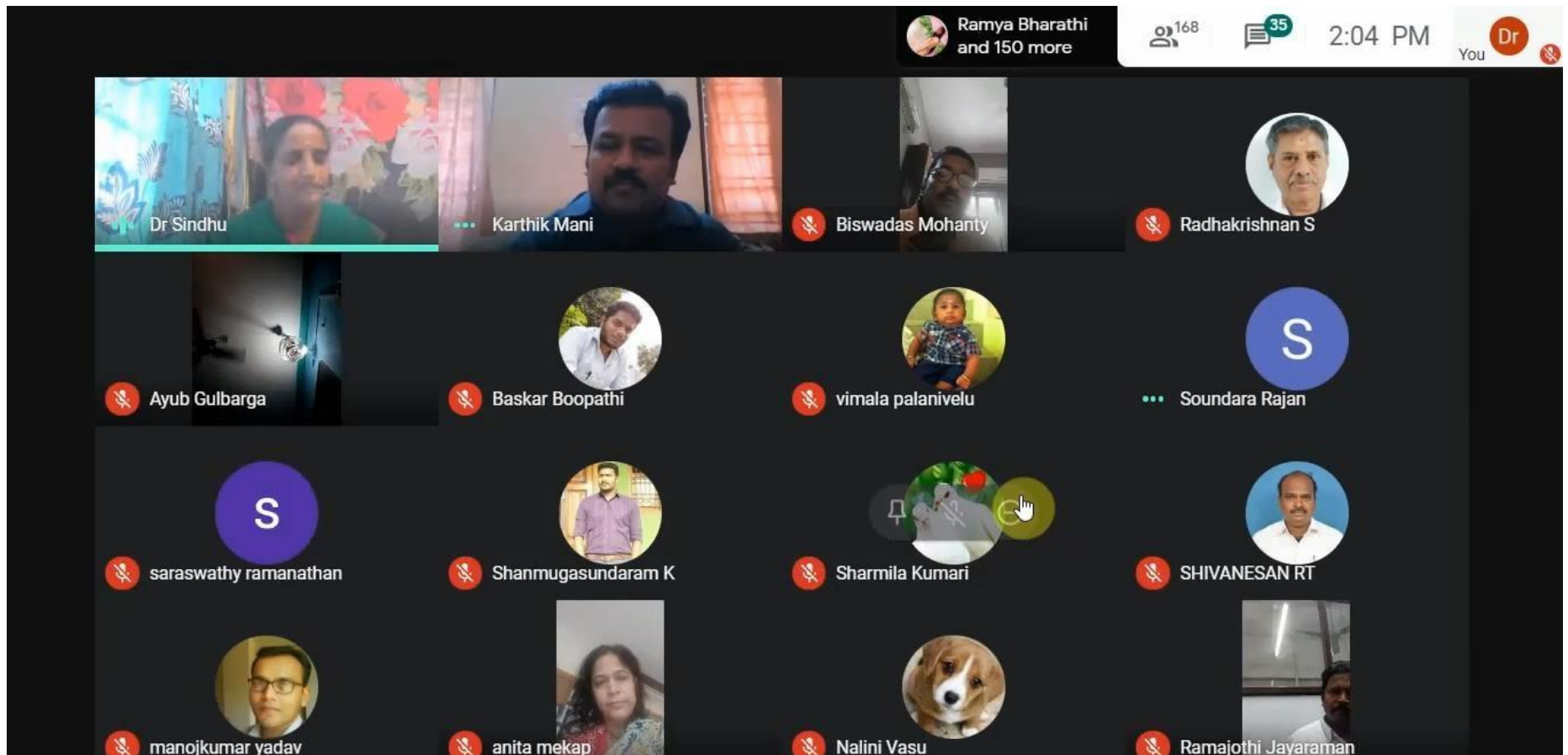
for MERIT ADMISSION Register online @ www.velammalitech.edu.in

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Certificate (Sample)



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