



**Er. PERUMAL MANIMEKALAI
COLLEGE OF ENGINEERING**

Accredited by NAAC - 'A' Grade & NBA (B.E. - CSE | ECE | EEE | MECH & B.TECH - IT)
Koneripalli, HOSUR - 635 117.
AN AUTONOMOUS INSTITUTION



***DEPARTMENT OF MECHANICAL ENGINEERING
&
ISHRAE HOSUR SUBCHAPTER (K-12 Activities)***

***Organising WORKSHOP
on***

**"Workshop on "Nano Technology &
Smart Materials used in Power Plants"**

Resource Person:

**Mr.Manikandan,
Sr.Manager, Bosch Energy
Ltd, Bidadi, Bangalore**



Venue: Seminar Hall & Thermal Lab

Date: 22.04.2024

Time: 10.00 am to 4.00 pm

Organizer:

**Mr.K.Udhayakumar,
AP/Mechanical,
PMC Tech, Hosur**

Convenor

**Dr.P.Rajasekaran,
HOD/Mechanical,
PMC Tech, Hosur**



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DEPARTMENT OF MECHANICAL ENGINEERING

Two Days Workshop on “Nano Technology & Smart Materials used in Power Plants”

Two Days Workshop on “Nano Technology & Smart Materials used in Power Plants” was conducted on 22.04.2024 to 23.04.2024 & 10.00am – 04.00pm at PMC Tech., Hosur. This event has been organized by Department of Mechanical Engineering and ISHRAE Subchapter Hosur. It has been conducted Offline mode of our UG students of Er.Perumal Manimekalai College of Engg. Hosur. Mr.Manikandan, Sr.Manager Bosch Energy Ltd, Bidadi, Bangalore was the resource person and delivered special lecture and hands on experience. This workshop can be highly effective at helping you advance a wide range of technologies. Future developments of smart materials for domains such as self-sustainable wireless sensor networks, self-tuned vibration energy harvesting devices, seismic applications etc. Nanotechnology-based innovation is being credited with improvements in efficiencies and life-spans of existing technologies, as well as the introduction of new and disruptive power-generating components. Many of the damage mechanisms that affect power plant performance, such as abrasion, corrosion and oxidation – which are responsible for millions of dollars in operating costs for a typical fossil-fuel plant each year – act on the surface of the plant’s components. The integration of such nanotechnology advances into large-scale power generation has led to significant improvements in the durability and performance of the material infrastructure in these plants.

At the end of the session, students asked many queries and clarified their doubts. Mechanical Engineering Department/PMC Tech has arranged seminar hall for attending the programme. The program ends with vote of thanks proposed by Dr.P.Rajasekaran, HOD/Mech/ PMC Tech.



Galaxy M33 5G



GPS Map Camera



Nallaganakothapalli, Tamil Nadu, India
MXC8+XF9, Nallaganakothapalli, Tamil Nadu 635117, India
Lat 12.67269°
Long 77.966043°
23/04/24 09:30 AM GMT +05:30



GPS Map Camera



Chappadi Village, Tamil Nadu, India
MXF8+36H, Chappadi Village, Tamil Nadu 635117, India
Lat 12.67244°
Long 77.965896°
23/04/24 09:31 AM GMT +05:30