

FDP On "Materials Engineering in Device Manufacturing"

Event No	PHY002
Organizing Department	Physics
Associate Dept. NSC	International Society for Technology in Education
Date	05/02/2022
Event Type	FDP
Event Level	National
Venue	-
Details Link	https://meet.google.com/qxn-hpxo-umc
Total Participants	85
Faculty - Internal	15
Faculty - External	55
Students - Internal	15

Outcome

One day Faculty Development Program on " Materials Engineering in Device Manufacturing" was very informative and useful session for both faculty members and students to carry out their future research perspectives.

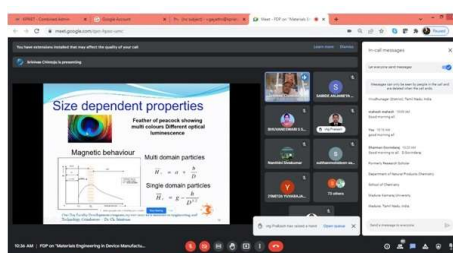
Event Summary

This FDP was conducted by Department of Physics in association with ISTE Faculty chapter, KPR Institute of Engineering and Technology on 05.02.2022. Dr.A. Kalaivani and Ms. V. Gayathri were the coordinators of this FDP. This FDP mainly focuses on the fabrication of energy storage devices. Dr. Ch.Srinivas from Sasi Institute of Technology and Engineering, Andrapradesh was the speaker of this FDP in Session-1. The speaker addressed the participants with Magnetic materials and its applications. The total participants are 85 in number. The participants were actively interacted with the speaker. In the afternoon session Dr.Pandiyarasan Veluswamy had given a talk regarding thermoelectric properties of different materials and its applications. This FDP was conducted to recall the basic concepts involved in device manufacturing. We are sure that this FDP will benefit for all aspiring participants who are interested in device manufacturing.



The poster is for a One day Faculty Development Program on "MATERIALS ENGINEERING IN DEVICE MANUFACTURING". It is organized by the Department of Physics in association with the ISTE Faculty Chapter. The program is held on 5th February 2022. The resource persons are Dr. Ch. Srinivas, Ph.D., Professor of Physics, Nanomaterials and Nanomagnetism Research Laboratory, Sasi Institute of Technology & Engineering, Tadepalligudem, and Dr. Pandiyarasan Veluswamy, Assistant Professor, Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kanchiappuram. The sessions are Session 1 (FN 10.00 AM - 11.00 AM) and Session 2 (AN 2.00 PM - 3.00 PM). The convenor is Ms.S.Shubaneswari, Head / Physics. The faculty coordinators are Dr.A.Kalaivani, AP/SG/Physics and Ms.V.Gayathri, AP/Physics. The registration link is <https://forms.gle/9mSvULQILhepyUJ27>.

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The screenshot shows a presentation slide titled "Size dependent properties". It discusses the magnetic behavior of multi-domain particles and single domain particles. The slide includes a graph showing the magnetic behavior of multi-domain particles and single domain particles. The graph shows the magnetic field (H) on the x-axis and the magnetic induction (B) on the y-axis. The curve for multi-domain particles shows a hysteresis loop, while the curve for single domain particles shows a steeper hysteresis loop. The slide also mentions the feature of perovskite showing multi-domain different optical transmittance.

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