



## AIMAN COLLEGE OF ARTS & SCIENCE FOR WOMEN

Sponsored by AIMA Education & Welfare Society

(Affiliated to Bharathidasan University)

Recognized by UGC Under Section 2(f) and 12(B)

K.Sathanur, Tiruchirappalli - 620 021.

### Department of physics

#### ASSOCIATION ACTIVITIES

Report on

One Day National Seminar on

### DEPOSITION & CHARACTERIZATION OF THIN FILM NANOMATERIALS

19 students from UG Department of Physics attended a one day National Seminar on "Deposition & characterization of thin film Nanomaterials" (NSDCTN'23) at Indra Ganesan College of Engineering, Trichy on 24<sup>th</sup> February, 2023.

The first session was handled by Dr. M.C.Santhoshkumar, Assistant Professor, Department of Physics, National Institute of Technology, Trichy on the topic "Preparation of Thin Films for Optoelectronic and Solar Cell Applications". He briefed on the preparation of thin films in Nano sizes like nanotubes, nanowires in the fields of optoelectronic devices. He also explained the application of thin films in LCD (Liquid Crystal Display), Nuclear reactor windows etc.,

The second session was handled by Dr. M.Anusuya, Registrar, Indra Ganesan Institutions, Trichy who delivered a lecture on "Properties Analysis of Thin Film Nanomaterials". She explained the characterization and experimental studies of thin films. Along with this program, a demo was arranged to show how thin films are produced in laboratory and how they are characterized using UV method.

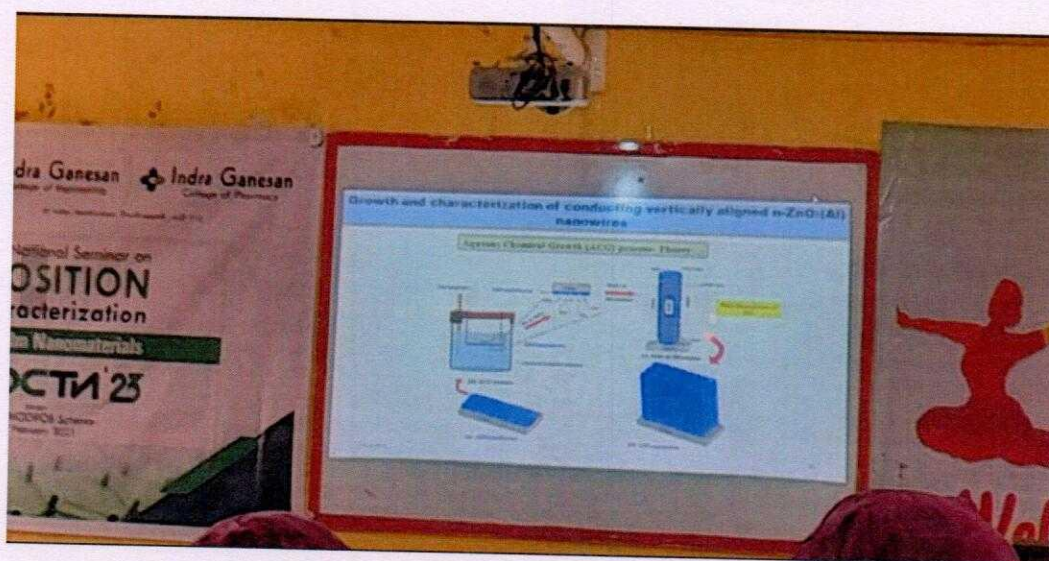
The third session was handled by Dr.T.C.Sabari Girisun, Assistant Professor, School of Physics, Bharathidasan University, Trichy who delivered a lecture on "Dye Sensitized Solar cells: An Interesting Solar Energy Harvester". He elaborated on solar cells.

The final session was handled by Dr. V.Sivakumar, Professor, Department of Physics, Anna University, Trichy. He spoke about "Methods of Thin Film Preparation and Characterization Techniques". He explained various methods and many types of characterization of thin films.

By attending the seminar, students of Department of physics gained knowledge about thin films.

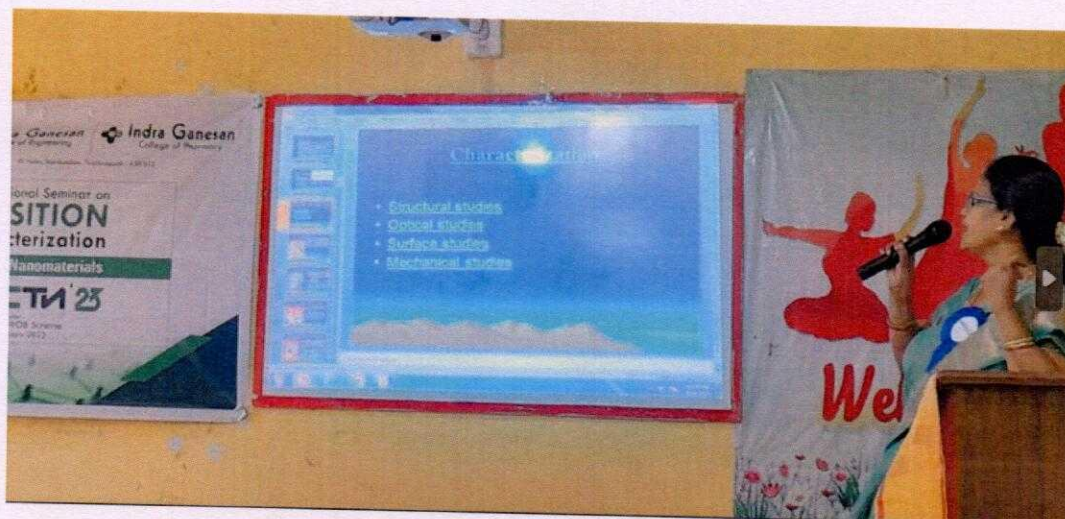
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PRINCIPAL





Dr.M.C.Santhoshkumar, explaining on "Preparation of Thin Films for Optoelectronic and Solar Cell Applications"



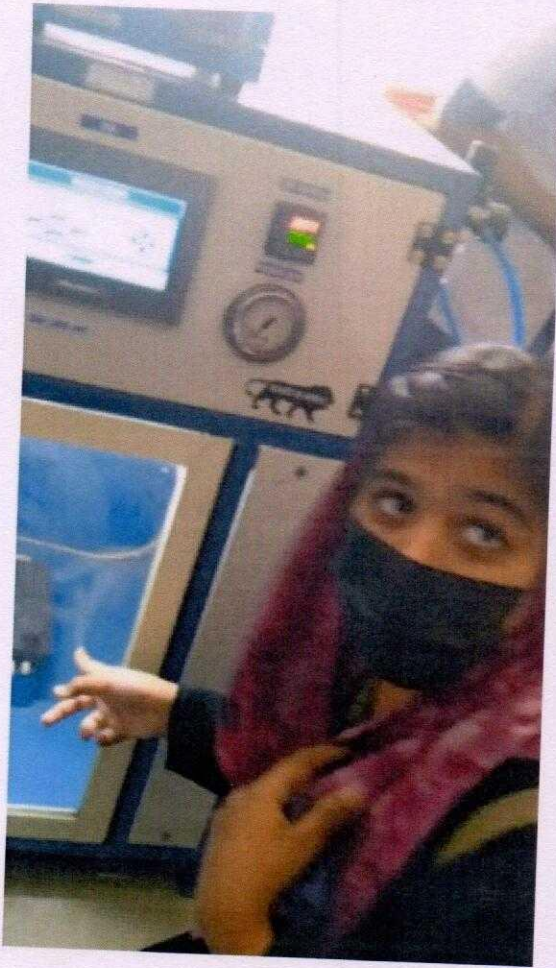


Dr. Anusuya spoke about "Properties Analysis of Thin Film Nanomaterials"



Students of physics department listening the seminar interestingly





Students of physics department coating Thin film on a substrate

*Aveshan*

Principal

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