



DEPARTMENT OF SCIENCE
REPORT – International webinar on
"NANOTECH APPLICATIONS"
DATE: 24th and 25st July 2020

BACKGROUND & OBJECTIVE:

Department of Science, St. Joseph's College of Engineering organized an International webinar on "NANOTECH APPLICATIONS" for Faculty, Students, Research Scholar and Industrial persons on **24th and 25st July 2020**. The main objectives of this webinar are to provide in depth knowledge to enhance scientific research in potential applications of nanomaterials in various industries. The ultra nanocrystalline materials are getting prime importance of its technological applications. The day 1 of webinar was planned to deliver about the various synthesis methods of ultra nanocrystalline diamond and its potential application as gas sensors. Day 2 of webinar was about the application of nanocrystalline materials in the lithium ion batteries. The following table outline the topic and speaker details, in addition youtube link were provided for reference.

RESOURCE PERSON DETAILS:

DATE	TOPIC	PRESENTER	Link
24-07-2020 10.30 – 11.30 AM	“Ultra nano crystalline diamond: The new generation optoelectronic material”	Dr. SARAVANAN ADHIMOORTHY, M.Sc., Ph.D. Assistant Professor, Ntust, Taipei, Taiwan	https://youtu.be/2KhcFrD9pVg
25-07-2020 10.30 – 11.30 AM	“Nanomaterials for High performance Lithium ion Batteries”	Dr. A. SAKUNTHALA, M.Sc., Ph.D. Assistant Professor, Department Of Physics, Solid State Ionics & Thin Film Batteries Lab, School Of Sciences, Arts, Media & Management , Karunya Institute Of Technology & Sciences,	https://youtu.be/fxmixweDs6U

WEBINAR DETAILS:

The international webinar on "NANOTECH APPLICATIONS" was conducted using the Google link <https://forms.gle/HdrArjwRicrzGVD58> and E-certificate has been issued to the participants those who were submitted feedback form through feedback link <https://forms.gle/TQLgMwP8vRUSvT8d8>, <https://forms.gle/rt4JEWGXHqmV2YJt7>.

PARTICIPANT'S DETAILS:

Total Number of Registrations: 902 responses

Around **795** participants attended the webinar and E-certificate was issued to participant's registered mail ids. In this faculty development programme, **373** faculty members, **126** Research Scholar, **286** students, and **100** industrialists participated from more than **300** various institutions.

Participants from Tamilnadu: 589

Participants from other States: 184 (AP, Telengana, Kerala, J&K, UP, Maharashtra, Karnataka, Delhi, Haryana, Chhattisgarh, Nagaland, Chandigarh, Rajastan)

Participants from other Country: 22 (Pakistan-8, Nigeria-4, Sultanate of Oman-3, China-2, Taiwan-2, Philipines-1)

OUTCOME:

An intense response has been received for the webinar from various educational institutions and industrial persons. The participants have given very good feedback for the flawless organization of the program. Furthermore the certificate for the participants and speakers were delivered within three days.

HOD/Convener

Dr.V.N. Nandini Devi M.Sc., Ph.D.,

Principal

Dr. Vaddi Seshagiri Rao

Professor and Head

Department of Science

Organizers

Dr. S. Manikandan/AP/Dept. of Physics

Mr. S. Kaleel Mohamed Ibrahim/AP/Dept. of Physics

Dr. P. Krishnan/AP/Dept. of Physics

Dr. K. Sathesh Kumar/AP/ Dept. of Physics