

## **Webinar on “Characterization Techniques for Nanomaterials”**

The online webinar on “Characterization Techniques for Nanomaterials” was organised by Department of Physics, The National Institute of Engineering, Mysuru, on 26<sup>th</sup> June 2020 under the sponsorship of TEQIP – III. Dr. S. Doreswamy, HoD, Department of Physics, NIE, Mysuru delivered a formal welcome address and briefed about the Department. The webinar was delivered by Dr. B. Daruka Prasad, Professor, Department of Physics, BMSIT, Bangalore.

The online webinar was conducted through google meet. Around 560 members were registered for the webinar, out of which more than 300 Faculty, Research Scholars and Students from all over India have participated. First 250 participants were accommodated through primary meeting ID and others through two alternative meeting IDs.

Dr. B. Daruka Prasad presented the topic very well. He highlighted that characterization is a fundamental process in the field of material science, without which no scientific understanding of engineering materials could be ascertained. He explained in detail about the photon probe characterization techniques such as Photoelectron Spectroscopy, UV-Visible spectroscopy, Ion particle probe - structural characterization such as X-Ray diffraction, Small Angle scattering and Atomic force microscopy which is an electron probe characterization techniques for Morphological studies. He also emphasized on the material characterization, Nano scale materials, Necessity of characterization, Planning to characterize the materials and Important characterization available for nano scale materials. All participants appreciated the way the speaker delivered the lecture.

