



A Report of “Two-Day Workshop on FESEM, EDS, and XRD”

Conducted by

PSGTECHS COE INDUTECH

PSG College of Technology

November 11th and 12th, 2022



PSGTECHS COE INDUTECH CENTER OF EXCELLENCE - INDUSTRIAL / HOME TEXTILES

Dept. of Textile Technology & Automobile Engineering - PSG College of Technology

Promoted by Ministry of Textiles - Government of INDIA

PSGiTech Campus, Avinashi Road, Neelambur, Coimbatore-641 062

Tel: 0422 3933 250-252 Fax: 0422 2573833 E-mail: info.int@psgtech.ac.in

REPORT ON THE TWO-DAY WORKSHOP ON FESEM, EDS, AND XRD

Date: November 11 and 12, 2022

Venue: PSGTECHS COE Indutech

Avinashi road, Neelambur

Coimbatore - 641062

Participants: Students, Research Scholars, Faculty Members, and Industry Personnel

Total number of participants: 36

Organizers:

1. Mr. V. Muthu Kumar, Manager - Testing, PSGTECHS COE INDUTECH
2. Mr. G. Selvakumar, Manager - Testing, PSGTECHS COE INDUTECH
3. Mrs. M.Vishnu Prabha, Assistant Manager- Product Development, PSGTECHS COE INDUTECH

ABOUT THE PROGRAM

1. The event was held on both days from 9:30 a.m. to 5:00 p.m.
2. The workshop began with a welcome address by Dr. S. Neelakrishnan, Joint Director, PSGTECHS COE INDUTECH, who also briefed the facilities available at COE.
3. Next, the erudite speaker, Mr. D. Senthil Kumar, Regional Sales Manager, South India, Malvern Panalytical, took over the presentation with a thorough overview of the XRD operating principle, instruments, and numerous applications.
4. Mr. V. Muthukumar performed live sample testing in front of the participants. The first-day session was concluded with a detailed discussion of the XRD report interpretation by Dr. Mangesh Mahajan, Application Specialist (XRD) via video conference mode.
5. Mr. G. Selvakumar discussed in detail the working principle, sample handling, and applications of FESEM & EDS.
6. The participants were also given a tour of the PSGTECHS COE INDUTECH manufacturing lab.
7. The participants found the workshop "Very Useful" and insisted to recommend the program to others.



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