

Training program SISTC
FINAL REPORT
26TH APRIL TO 2ND MAY 2023

Day 1:- 26/04/2023

At 9 am the program started with the registrations process of candidates and also distributions of stationary to the participants. Then the program started with national song followed by inauguration by key guest honors. From 10 to 1 PM Fabrication and Applications of Nanostructured Thin Films and XRD: Principle and Applications was taken up by Dr. P. Kuppusami, from 11 to 1 PM. In the afternoon session Thermal Evaporation technique was taken up by Dr. T.S. Shyju SIST, Sputtering technique was taken up by Dr. P. Vengatesh, SIST, E-Beam techniques was taken up by Dr. S. Anandh Jesuraj, SIST from 2 to 4 PM. Stylus Profilometer Tribometer was taken up by Dr. D. Dinesh Kumar, SIST from 4 to 6 PM.

Day 2:- 27/04/2023

In the morning session Raman Spectroscopy and its Applications was taken up by Dr. T.R. Ravindran, Scientist, IGCAR, Kalpakkam from 9 to 11 AM, Atomic Force Microscopy was taken up by Dr. D. Ramachandran, SIST from 11 to 12 PM and from 12 to 1 PM. In the afternoon session Fundamentals in Origin software: A hands on training was explained by Dr. Kunal Biswas, SIST Raman Spectrophotometer was taken up by Dr. P. Vengatesh, SIST from 2 to 4 PM HPLC-PDA GC-FID Mr. S. Nandhagopal, SIST ZebraFish facilities was taken up by Mr. Carlton Ranjith, SIST from 4 to 6 PM.

Day 3:- 28/04/2023

In the morning session FESEM was taken up by Dr. Pradyumna Kumar Parida, IGCAR Kalpakkam from 9 to 11 AM, from 11 to 1 PM Translational Research Facilities was taken up by Dr. Krupakar Parthasarathy. In the afternoon session FESEM & EDAX was taken up by Mr. Viswanathan. K, SIST from 2 to 4 PM. XRD Hands-On was explained by Dr. D. Ramachandran SIST, Dr. S. Anandh Jesuraj, SIST and Mr. B. Vigneshwaran, SIST from 4 to 6 PM.

Day 4:- 29/04/2023

In the morning session Particle Size analyzer was taken up by Dr. Baalamurugan, SIST TG-DTA/DSC Dr. Stanley Abraham, SIST from 9 to 11 AM. ICP-MS GC-MS was taken up by Mr. Kumar Chandrasekaran, SIST and Animal Research Facilities was explained by Dr. Saravanan, SIST from 11 to 1 PM. In the afternoon session Ball milling was taken up by Dr. T. Dharini, SIST, Hall effect was taken up by Dr. G. Gopika, SIST, Photo reactor was taken up by Dr. G. Murugadoss, SIST from 2 to 4 PM. PCR was taken up by Dr. Amit Kumar, SIST Climate Change Facilities was taken up by Dr. S. Prakash, SIST from 4 to 6 PM.

Day 5:- 30/04/2023

In the morning session UV-Vis-NIR Spectrophotometer FTIR was taken up by Dr. J. Karthikeyan, SIST from 9 to 11 AM. Spectro-fluorometer Lecture and Hands-on was explained by Dr. Subhenjit Hazra, SIST from 11 to 1 PM. UV-Vis-NIR Spectrophotometer was taken up by Dr. Sanjeevi Prasath S, SIST Optical, Inverted and Fluorescence microscopy was taken up by Dr. Sudha Uthaman, SIST from 2 to 4 PM. Microbiology & Molecular biology Tools and Techniques was taken up by Dr. Sudha Uthaman, SIST and Ms. Sidhika, SIST from 4 to 6 PM.

Day 6:- 01/05/2023

In the morning session Principles and Applications of HRSTEM was taken up by Dr. Amirtha Pandian, IGCAR from 9 to 11 AM. Cell culture basics & Lab visit was explained by Dr. A. Madan Kumar, SIST Dr. S. Johnson Retnaraj Samuel, Mr. V. Saravanakumar from 11 to 1 PM. In the afternoon session FTIR was taken up by Dr. Sanjeevi Prasath S, SIST from 2 to 4 PM. HRSTEM (Hands On) was explained by Mr. M. Thangam, SIST from 4 to 6 PM.

Day 7:- 02/05/2023

In the morning session 3D Printing Contact Angle was taken up by Dr. Manjunath Kamath, SIST, Dr. K. Gobi Saravanan, SIST, Dr. S. Preethi, SIST, Dr. Sony Varghese, SIST, and Ms. Aruna from 9 to 1 PM. In the afternoon session certificates distribution and Valedictory from 2 to 6 PM.