Report on a Workshop Seven days DST-STUTI Workshop on Material Characterization Techniques

Conducted by Department of Pure & Applied Physics

Date of Event: November 1-7, 2022

Venue: Department of Pure & Applied Physics, GGV



< DST-supported STUTI program on "Material Characterization Techniques >



<Inauguration function of DST-supported STUTI program on "Material Characterization Techniques">



Guru Ghasidas Vishwavidyalaya (A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

Details of Event Proceedings

Date (DD-MM-YYYY)	Details of the Session	Details of Resource Person	Number of Participants
01-11-2022	Day 1 Session 1&2	Dr. Pradip Das and Dr. M. P. Sharma from Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)	31
02-11-2022	Day 2 Session 1&2	Prof. P.K Bajpai, Dr. A. K. Singh, Dr. G. R. Turpu from Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) and Dr. Subhash Banerjee from Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)	31
03-11-2022	Day 3 Session 1&2	Dr. Jai Singh, Dr. R.K. Pandey, Dr. S.P. Patel Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) and Prof. Charu Arora, Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)	31
04-11-2022	Day 4 Session 1&2	Prof. G.K .Patra, Dr. U.P. Azad, Dr. B. Mondal and Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) and Dr. G. R. Turpu, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)	31
05-11-2022	Day 5 Session 1&Tour	Dr. Jai Singh, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), Participants interaction and Local tour	31
06-11-2022	Day 6 Session 1&2	Prof. M.N. Tripathi, Dr. R.P. Patel Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) and Dr. Ashish Singh and Dr. A Shrivastava, Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)	31

गुरू घासीदास विश्वविद्यालय (केन्रीय विश्वविद्यालय अधिनयन 2009 क्र. 25 के अंतर्गत स्वापित केन्न्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



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07-11-2022

Day 7 Session 1&2 Dr. S.P. Patel Department of Pureand Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), Accelerator Visit, 31

A Brief Abstract of the Event (Maximum 500 Words):

The Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh commenced a week-long training session on the DST-FIST-supported "*Material Characterization Techniques*" on its campus from 01st Nov to 7thNov, 2022. More than 30 faculty members, postdoctoral researchers, and doctoral students from all over India have participated in this training workshop. The event is funded by the Department of Science and Technology (DST), under **STUTI program** (Synergistic Training Program Utilizing the Scientific and Technological Infrastructure), in which IIT Gandhinagar is identified as a Project Management Unit (PMU). In welcome note by Vice-Chancellor Prof. Alok Kumar Chakrawal mentioned about the significance of such workshop from perspective of research and growth. Apart from the theoretical knowledge, the workshop has aimed to provide practical hands-on training experience to the participants through a laboratory session. Various characterization techniques i.e. X-ray diff reaction, Photoluminescence, FT-IR, UV-Visible spectroscopy, Raman Spectroscopy, Differential scanning calorimetry, and basic of Computational physics including density functional theory with basic theory and operation of instruments has demonstrated to create awareness among the participants.



Image: Resource person (Prof. P.K. Bajapai) delivering lecture (left & upper), Dr. P. das delivering lecture (right & upper), Prof. M. N. Tripathi delivering lecture (left & below) and Dr. Jai Singh delivering lecture (right & below) to registered participants

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Image: Demonstration of various instruments to registered participants and Accelerator centre visit.

Signature of Programme Coordinator