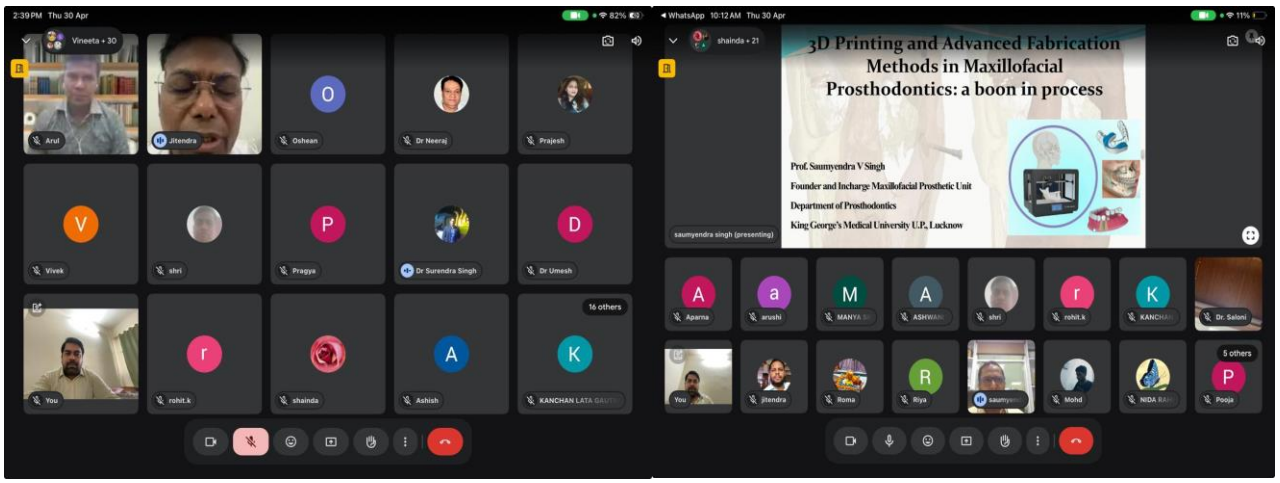
Title: FDP on "Additive Manufacturing for Healthcare Innovations (AMHI–2026)"
Organized by: Department of Mechanical Engineering, HBTU Kanpur
Dates: 28–30 April 2026

Three-day Faculty Development Programme (FDP) on *"**Additive Manufacturing for Healthcare Innovations (AMHI–2026)"***, organized by the Department of Mechanical Engineering, HBTU Kanpur, from 28th to 30th April 2026, was successfully conducted in hybrid mode. A total of 115 participants from different states, including faculty members, medical practitioners, research scholars, and students, actively participated in the programme. The FDP featured a series of expert sessions delivered by eminent academicians and professionals from both engineering and healthcare domains, significantly enriching the learning experience of the participants. The programme was conducted under the leadership of Prof. Vinay Pratap Singh, Chairman, Dean School of Engineering & HoD MED, HBTU Kanpur, with Prof. Jitendra Bhasker, Convenor and Professor, Department of Mechanical Engineering, HBTU Kanpur, and Dr. Saurabh Sangal, Coordinator and Assistant Professor, Department of Mechanical Engineering, HBTU Kanpur.

Prof. Jitendra Bhasker, Convenor and Professor, Department of Mechanical Engineering, HBTU Kanpur, initiated the technical sessions by highlighting the fundamentals and future scope of additive manufacturing. Distinguished expert lectures were also delivered by Prof. J. Ramkumar, Professor at Indian Institute of Technology Kanpur, Prof. Saumyendra Singh, Professor at King George's Medical University, and Dr. Subhadeep Roy, Assistant Professor at Birla Institute of Technology Mesra, who shared advanced insights on additive manufacturing applications in healthcare and regenerative medicine. Industry perspective was provided by Mr. J. Arul Regan, National Senior Manager–3D Applications at Monotech Systems Ltd, who discussed industrial practices and healthcare manufacturing workflows. In addition, clinical expertise was shared by Dr. Manish Vishnoi from Vishnoi Dental Hospital and Dr. Jebin Aron from Thangam Hospital, highlighting real-life applications such as dental prosthetics, maxillofacial reconstruction, and patient-specific implant design. A key highlight of the programme was the academic and clinical visit to Vishnoi Dental Hospital, where participants gained first-hand exposure to digital dentistry workflows, intraoral scanning, and the practical implementation of additive manufacturing in clinical settings. Additionally, a comprehensive hands-on session was conducted in the 3D Printing Laboratory of the Mechanical Engineering Department, where participants were trained in operating 3D printers, understanding slicing software, and developing prototypes from

digital models under expert guidance, These expert sessions, combined with interactive discussions and field exposure, provided participants with a comprehensive understanding of both theoretical concepts and real-world applications of additive manufacturing in healthcare.



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