

NIT Jalandhar organized a 5-Day Short-Term Course on “Medical Textiles and Tissue Engineering”

Dr. B. R. Ambedkar National Institute of Technology (NIT) Jalandhar organized a five-day Short-Term Course on “**Medical Textiles and Tissue Engineering**” from September 7th to 11th, 2026 at the Institute. Organized by the Department of Textile Technology, the programme brought together researchers, faculty members, students and candidates from different parts of India. The course focused on the growing use of textile technology and new materials in healthcare and medical applications. It was conducted by **Prof. S. Rajendran** (PhD, AIC, FICS, CText, FTI), Emeritus Professor, University of Greater Manchester, Bolton, UK.

The course emphasized on how textiles and textile-based materials can be used to support healthcare and medical treatment. In this course, participants learned about materials used for wound dressings and bandages, as well as how medical devices are developed and tested before being used. sessions also covered the use of textile-based materials in **tissue engineering**, which aims to support the growth of new body tissue. They were introduced to **scaffolds**, which provide support for tissue growth, and **vascular grafts**, which are used in blood vessel-related medical applications. The course also included an introduction to clinical trials, recent developments in the field and how medical textile products can be taken from development to the market.

During the valedictory session held on September 11, the Institute acknowledged the academic contribution of the programme and the knowledge shared during the course. The sessions helped participants understand the connection between textile engineering and medical technology and how textile-based solutions can support healthcare applications. Participants were also awarded certificates upon successful completion of the course.

Prof. B. K. Kanaujia, Director of the Institute, appreciated the efforts of the Department of Textile Technology in organizing the programme and highlighted how such programmes help strengthen academic learning and provide an opportunity to understand the growing role of medical textiles and tissue engineering in healthcare.

The coordinators of the Short-Term Course, **Dr. Vinay Midha, Prof. A. Mukhopadhyay, Prof. A. K. Choudhary, Prof. Monica Sikka and Dr. Lalit Jajpura**, acknowledged the participation and contributions of the attendees and appreciated their engagement throughout the programme.