



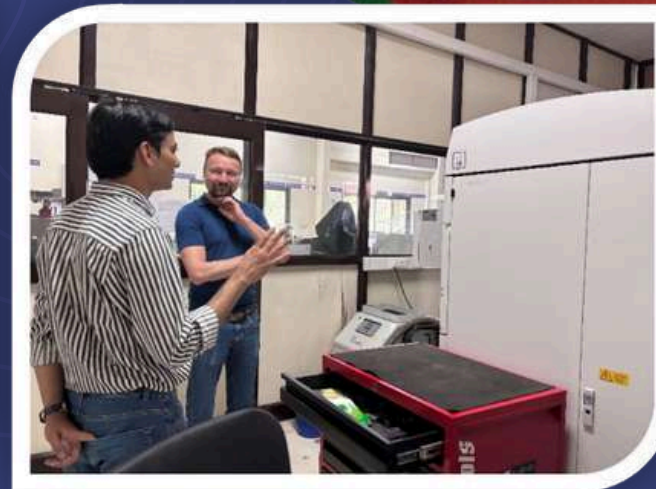
Visit of German PI to IIT Palakkad, India under SPARC-GIANT Project



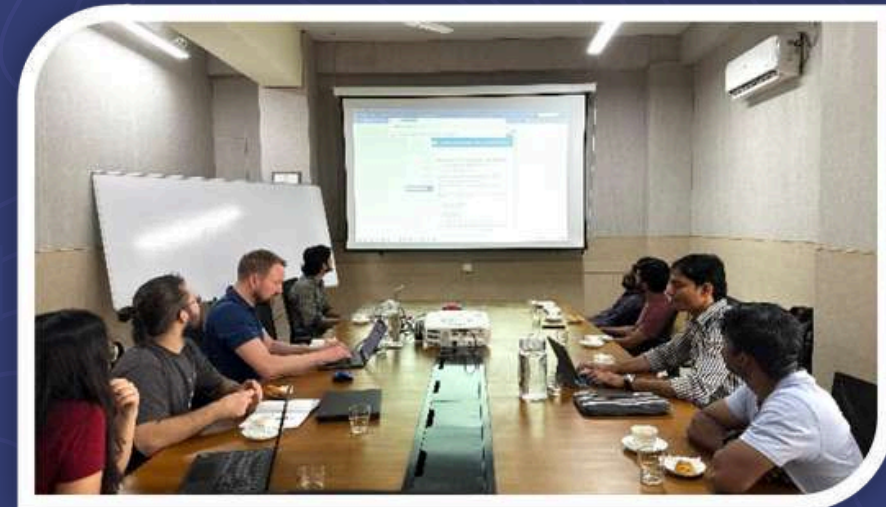
Indian team welcomed the German team to Indian Institute of Technology Palakkad (IIT Palakkad), Kerala, India



Lab visits: Indian PI explained the research facilities in the Mechanical Engineering laboratory to the German PI and team



A team meeting was organized to review progress, collaborative research activities and discussions related to the SPARC-GIANT Indo-German project





SPARC-GIANT Indo-German Workshop on “Additive Manufactured Bio-Implants: Approaches, Trends & Challenges”



A one day workshop was conducted on 20-11-2025 and a total of 240 participants attended the workshop from Tamilnadu (Coimbatore, Trichy), Karnataka (Mangaluru, Bengaluru), Kerala (Palakkad, Ernakulam, Idukki, Thrissur, Calicut, Kannur)

Expert talks and insights on Additive Manufactured Bio-Implants



Prof. Henning Zeidler

PROFESSOR, CHAIR FOR ADDITIVE
MANUFACTURING

TU BERGAKADEMIE FREIBERG, GERMANY



DR. MAHESH KAPPANAYIL

PROFESSOR, PAEDIATRIC
CARDIOLOGY

AMRITA HOSPITAL, KOCHI



MR. VIJAY KITTATHEL

DIRECTOR,
JAYON IMPLANTS PVT. LTD. ,
ADLER HEALTHCARE PVT. LTD.

The workshop featured a series of expert lectures, wherein Prof. Henning elaborated on the significance of Additive Manufacturing (AM) technologies in the development of Bio-Implants, Dr. Mahesh presented insights into the real-world applications of AM-based Bio-Implants, and the program concluded with Mr. Vijay discussing industrial practices in the fabrication of bio-implants using AM





Development and Fabrication of the Prototype



Casing for the prototype setup is being fabricated

Laser Head mounted XYZ Precision Stage is developed for Laser based fabrications and post processing





THANK YOU