

Training program on “Bioartificial Organ Construction using 3D Printing”

PSG Institute of Advanced Studies, Department of Biotechnology organized a training program on “Bioartificial Organ Construction using 3D Printing” from 8th to 10th January 2024 for the M.Sc., Biotechnology and M.Sc., Medical Biotechnology students of Bharathiar University, Coimbatore. Lectures covering the fundamentals of biomaterials, tissue engineering and their ethical challenges, progressing to advancements such as anti-infective biomaterials and neural tissue engineering were delivered by faculty members of PSG IAS. Dr. K. Gopal Shankar, Department of Biotechnology, National Institute of Technology, Calicut delivered a guest lecture. The training program was coordinated by Dr. R. Selvakumar, Dr. V Priyadharishni and Dr. J. Sowndarya, PSGIAS.





Various techniques including, 3D-Bioprinting, Fused Deposition Modeling, Rheological Analysis, and compression analysis, were demonstrated to the participants during training session. Professors from the Department of Biotechnology, Bharathiar University also actively participated. Towards the end of the training program, the participants visited the 3D printing facility at TIFAC core, PSG College of Technology. Dr. Sreedhar Kumar, Senior Manager and Mr. Gunaseelan at TIFAC core demonstrated different kinds of 3D Printers and scanners.

