



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University)

Category -1 University by UGC

MAKERSPACE

Centre of Excellence By Stratasys™

Accredited 'A++' grade by NAAC | 12B Status by UGC | Approved by AICTE

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu

Centre of Excellence for Additive Manufacturing

MAKERSPACE

Organizes

5 day Workshop & Hands-on Training on

ADVANCED BIOMATERIALS

PROGRAM CONTENTS

- ❖ Fabrication of fibers by electrospinning
- ❖ Scaffold fabrication by 3D bio-printing
- ❖ Antimicrobial analysis Techniques
- ❖ Wettability studies of nanomaterials
- ❖ Surface morphology analysis of fabricated samples (FESEM)
- ❖ FTIR analysis of electrospun fibers
- ❖ Expert Talks & Brainstorming sessions

Facilities available

- ❖ FDM & Polyjet Printers
- ❖ Bioprinter (BioX, Cellink)
- ❖ Electrospinning
- ❖ Microbiology Facility
- ❖ FESEM, FTIR spectroscopy, etc

Registration Details

Internal Students :	750/-
UG/PG Students :	2,500/-
Researchers :	3,000/-
Faculties :	4,000/-
Indutries :	5,000/-



Bioprinter

Account Details

Account Name: Dean (Publications and Conferences), Sathyabama Institute of Science and Technology

Account Number : 891734627

IFSC Code : IDIB000T020

Name of the Bank: Indian Bank

Gpay Number : 8300839868

Register Here

<https://forms.gle/Q3vGExtxKA>

MBCB5FAA



Electrospinning

9:00 a.m. – 3:00 p.m.

2nd Sept.– 6th Sept. 2024

Makerspace & IRC



About the Program

The training program mainly covers the basics and applications of Bio printing, electrospinning and cell culture techniques. The scaffolds will be analyzed by FTIR spectroscopy and field emission scanning electron microscope (FESEM) for functional moieties and surface morphology, respectively. The prepared 3D scaffolds and electrospun fibers will be studied its wettability nature, anti-bacterial and cytotoxic behavior. The training program is also planned to give hands on training on electrospinning, microbial and cell culture techniques, etc.

About the Makerspace

Makerspace is a state-of-art additive manufacturing facility established to foster innovations in young engineers, facilitate research and support additive manufacturing in industries. This unique facility is distinguished as a “Centre of Excellence for Additive Manufacturing” by Stratasys, India.

About the Institute

Sathyabama Institute of Science and Technology is a prestigious institution which excels in the fields of Engineering, Science and Technology for more than three successful decades. It offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, Law, Dental Science, etc. It is established under Sec.3 of UGC Act, 1956 and is Accredited with ‘A++’ Grade by the National Accreditation and Assessment Council. The Institution has been ranked in 51st position by the NIRF, Government of India among the Universities in India for the year 2023 and ranked one among the top 100 Universities for eight consecutive years. Sathyabama has emerged as a leading Institution and achieved excellence in higher education of International standards owing to its research and academic excellence.



Print your imaginations



We provide consultancy services to students, faculties, researchers and industries for their 3D designs and 3D printing. Contact us for the available materials for printing and consultancy charges.

Makerspace will provide internship on request

Contact Us

email: 3dprinting@sathyabama.ac.in

Phone no: 8300839868, 7092863207, 9952337671

Chief Patrons

Dr. Mariazeena Johnson, Chancellor

Dr. Marie Johnson, President

Mr. J. Arul Selvan, Vice President

Ms. Maria Bernadette Tamilarasi,
Vice President

Ms. Maria Catherine Jayapriya,
Vice President

Patron

Dr. T. Sasipraba, Vice Chancellor

Conveners

Dr. K. Gobi Saravanan, Associate. Prof. (R)

Dr. M. Madhanagopal, Assistant Prof. (R)

Co-Conveners

Dr. Sajneevi Prasath, Assistant Prof. (R)

Dr. K. Viswanathan, Assistant Prof. (R)

Dr. S. Preethi, Assistant Prof. (R)

Dr. Sony Varghese, Assistant Prof. (R)

Dr. Aruna, Scientific Assistant

Mr. Kathiravan S, Scientific Assistant



Last date of Registration

First 25 participants only (first come, first serve basis)

Accommodation

Hostel accommodation will be provided (if required)

Note

Welcome kits, Refreshments, Lunch and certificates will be provided to the participants