



## DST STUTI TRAINING PROGRAM

Organized by  
IIT Indore  
on

**“Advance learning for  
biomedical technologies and  
its emerging applications”**

**22<sup>nd</sup> Dec-28<sup>th</sup> Dec 2022**

### Venue

**Indian Institute of Technology Indore  
Simrol, Indore- MP 453552**

Department of Biosciences and Biomedical Engineering  
Indian Institute of Technology Indore

Sponsored by



सत्यमेव जयते  
Department of Science and Technology  
Ministry of Science and Technology  
Government of India

## About The Training Program

The role of Science and Technology is pivotal for the evolution of mankind. The program being organized as part of **Azadi ka Amrit Mahotsav** consists of both theory and as well as hands-on training with various high-end instruments, supported by DST. The uniqueness of the program includes a minimum of four hours of theory and the remaining 50% of the duration is on practical training on the equipment.

The training program under DST-STUTI will focus on capacity building by training bachelor's, master's, doctoral students, and post-doctoral fellows. Young faculty members will also benefit from this program. An effort will be made for the hands-on training with equipment for demonstration/characterization by each participant. On the behalf of organizing committee, we are extending a cordial invitation to you and your colleagues to participate in this program.

The STUTI DST-supported training program is aimed to impart basic principles and advanced knowledge related to the translational sciences and open new vistas for students. The science awareness program provides a platform for interaction and exchange of innovative ideas on current trends in the fields of Biomedical Sciences and Therapeutics, with talks by eminent people in the field.

### Objectives of the Program:

- To enable the participants to understand the different communicable and non-communicable infections and associated diseases.
- To enable the participants to gain knowledge about the principles and applications of spectroscopic importance's in diagnosis and therapeutic's.
- To gain hands-on experience in Molecular docking and simulations in drug discovery.
- To enable the participants to learn the various tools in machine learning, artificial intelligence and signal processing in healthcare.
- To gain knowledge about the total synthesis of natural products and important therapeutic biomolecules.
- To gain knowledge about the various concept of proteomics.

### Resource Persons:

- Prof. Avinash Sonawane (BSBE, IIT Indore)
- Dr. Hem Chandra Jha (BSBE, IIT Indore)
- Prof. Rajesh Kumar (Physics, IIT Indore)
- Dr. Parimal Kar (BSBE, IIT Indore)
- Prof. Ram Bilas Pachori (Electrical Engineering, IIT Indore)
- Dr. Debayan Sarkar (Chemistry, IIT Indore)
- Dr. M Tanveer (Mathematics, IIT Indore)
- Dr. Harmendra Singh Parmar (Biotechnology, DAVV)
- Dr. Manivaanan Elangovan (Pharmacy, DAVV)

### Mode of Delivery:

- Lectures will be delivered through presentations, discussions, and hands-on training sessions.
- The ultimate goal of this event is to develop the faculty members/ research scholars/ scientists/ PDFs in the near pedagogy and emerging areas of Biomedical sciences and therapeutics.

### Registration and Eligibility Criteria:

- a. Persons of Indian origin.
- b. Minimum qualification should be UG (Science), PG (Science), or B.Tech. (Technologies)
- c. Professors/Scientists/ Post-Doc Fellows/ Ph.D. Fellows/ Industry Persons who are actively involved in research and development (R&D).
- d. Not more than 3 people from one institution per training program are allowed.
- e. There is no registration fee for this program.

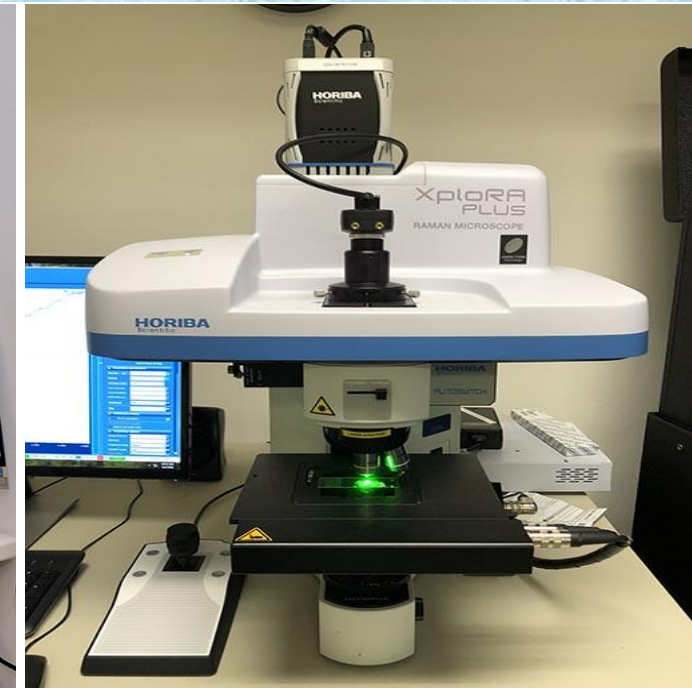
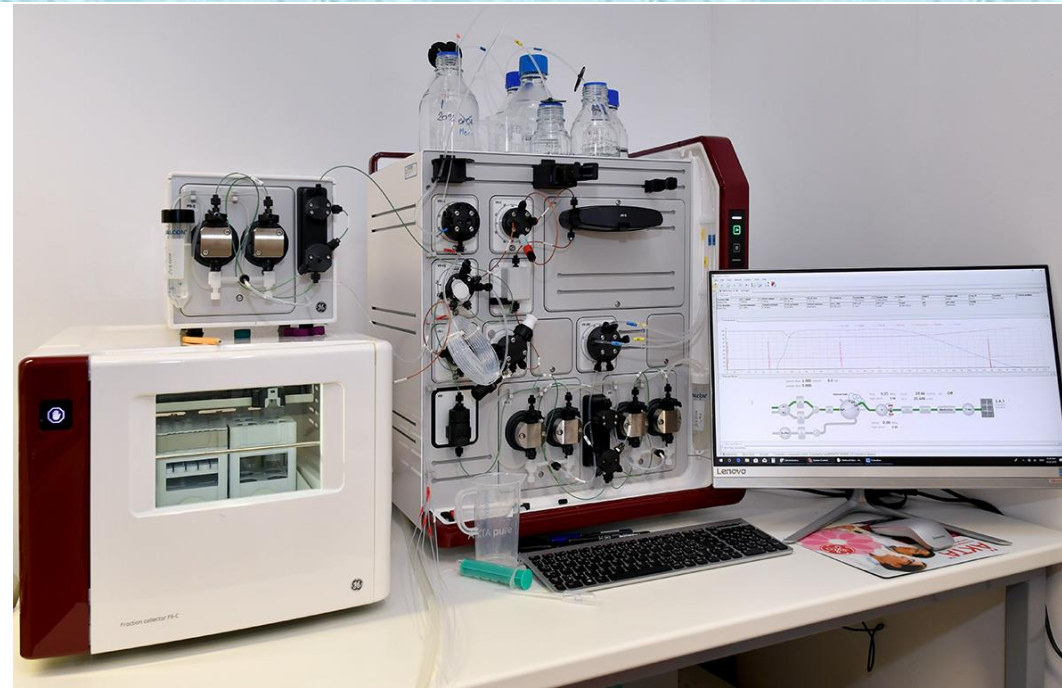


### About the IIT Indore

Indian Institute of Technology Indore located in Madhya Pradesh, known as IIT Indore or IITI, is an institute of national importance established by the Government of India in 2009. IIT Indore is one of the leading Institutions in India and worldwide which reflects through rankings such as NIRF, Asian University, World University ranking and Times Higher Education.

### About the Biosciences and Biomedical Engineering Dept

The Department of BSBE at IIT Indore was initiated in 2012, with a vision of establishing a center of excellence that will focus on human resource development and research in areas of Biosciences, Bioengineering and Biomedical Engineering.



### How to Apply:

Eligible candidates may apply through filling up a google form, either by clicking on this link or by scanning this QR code.

<https://forms.gle/hqaREp4i8QKxQi937>





**Prof. Avinash Sonawane**



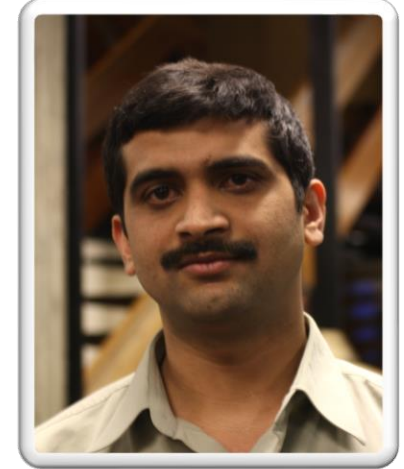
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**Dr. Manivanann Elogovan**