

## Industry Readiness Training (IRT) Program on High-End Analytical Instrumentation & Data Analysis Organized by VIT-TBI

IRT is an initiative by VIT-TBI to enhance skill development through intensive hands-on training program on high-end molecular and analytical instrumentation to prepare students for jobs in health and pharmaceutical sector.

### ELIGIBILITY

Students pursuing B.Sc. / M.Sc. / B.Tech / M.Tech / Research scholars / & Graduates in Life science, Biotechnology, Microbiology

### INCLUSIONS

Certificate / Training kit / Study materials / Lunch & Refreshment on event days

**Date** : 5th-16th June 2023

**Duration** : Two Weeks

### Fees

**Module 1** : Rs. 6500/-

**Module 2** : Rs. 3500/-

**Both** : Rs. 9000/-

### Venue

TT012, BIRAC-BioNEST Lab  
Technology Business Incubator  
Technology Tower Building  
Vellore Institute of Technology,  
Vellore, Tamil Nadu, India

### For further details contact:

Course coordinator,  
[jagannathan.v@vit.ac.in](mailto:jagannathan.v@vit.ac.in)

[johnjoseph.j@vit.ac.in](mailto:johnjoseph.j@vit.ac.in)

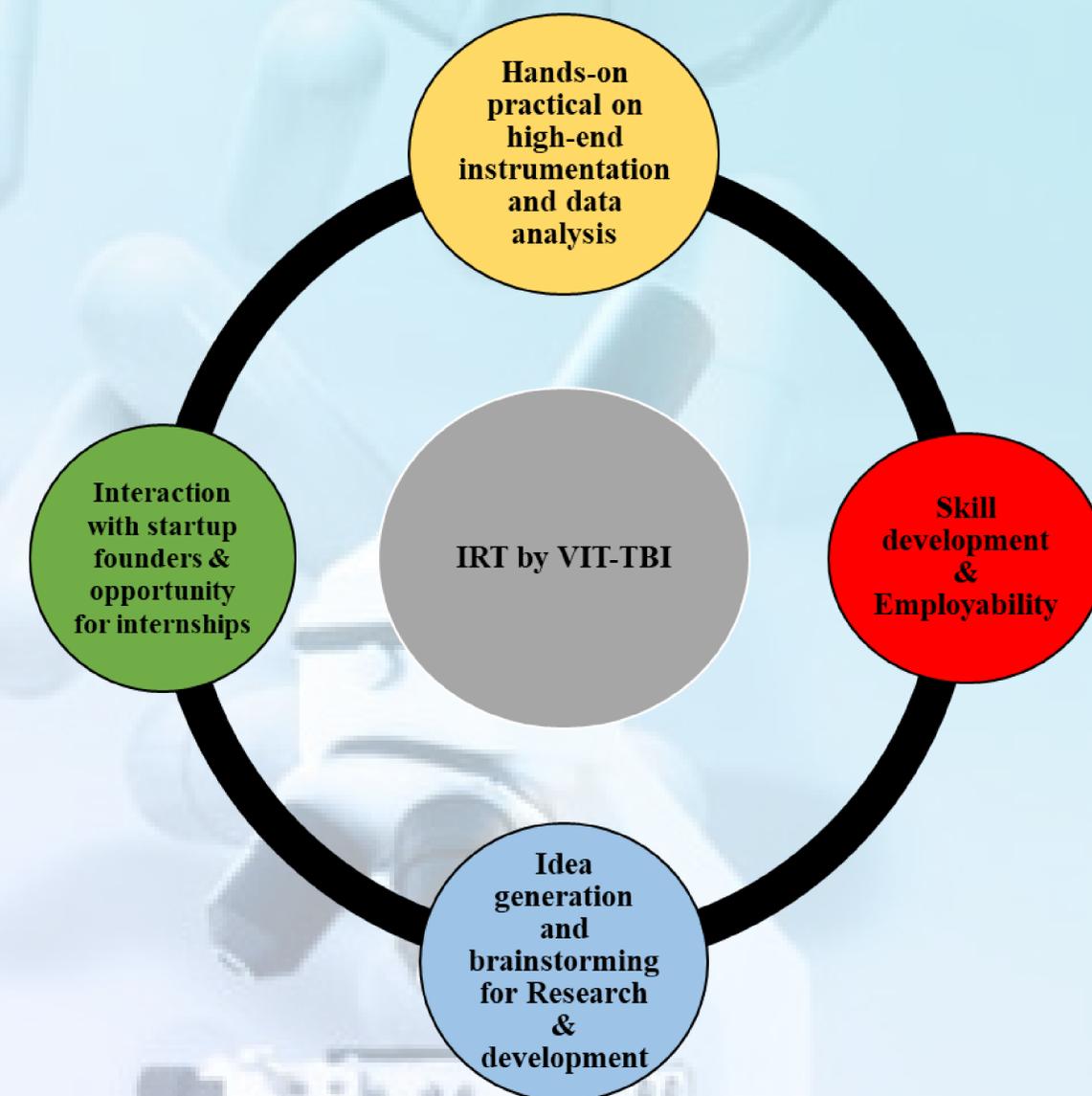
Phone: 0416-2202306

### Module 1

	Date	Topic
1	5.6.2023 – 7.6.2023	<b><u>Gene Profiling &amp; Expression</u></b> <ul style="list-style-type: none"> <li>Primer designing</li> <li>cDNA synthesis</li> <li>Gene expression study</li> <li>Data analysis</li> </ul>
2	8.6.2023 – 9.6.2023	<b><u>Proteomic profiling &amp; expression</u></b> <ul style="list-style-type: none"> <li>Western blotting</li> <li>Data analysis</li> </ul>
3	12.6.2023	<b><u>Big data analysis</u></b> <ul style="list-style-type: none"> <li>Mutation analysis</li> <li>DNA Sequencing data analysis</li> </ul>

### Module 2

	Date	Topic
1	13.6.2023 – 15.6.2023	<b><u>Liquid Chromatography (HPLC &amp; UPLC)</u></b> <ul style="list-style-type: none"> <li>Fundamentals of Liquid Chromatography</li> <li>Empower-3 Software handling.</li> <li>Mobile phase tuning, and Sample Preparation and Testing for good peak resolution.</li> <li>Basics of UV-VIS and PDA detector</li> </ul>
2	16.6.2023	<b><u>Atomic Absorption Spectroscopy (AAS)</u></b> <ul style="list-style-type: none"> <li>Fundamentals of AAS and Spectra-AA Software handling.</li> <li>Preparation of standard solution and samples, selection of UV range of the selected metal.</li> <li>Applications.</li> </ul>



**For Registration & Payment Details**

**Scan here**

