

## Industry Readiness Training Program on High-End Bioanalytical Instrumentation & Data Analysis Organized by VIT-TBI

Industry Readiness Training (IRT) program 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** : 3rd-13th June 2024

**Duration** : 10 working days

### 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,**  
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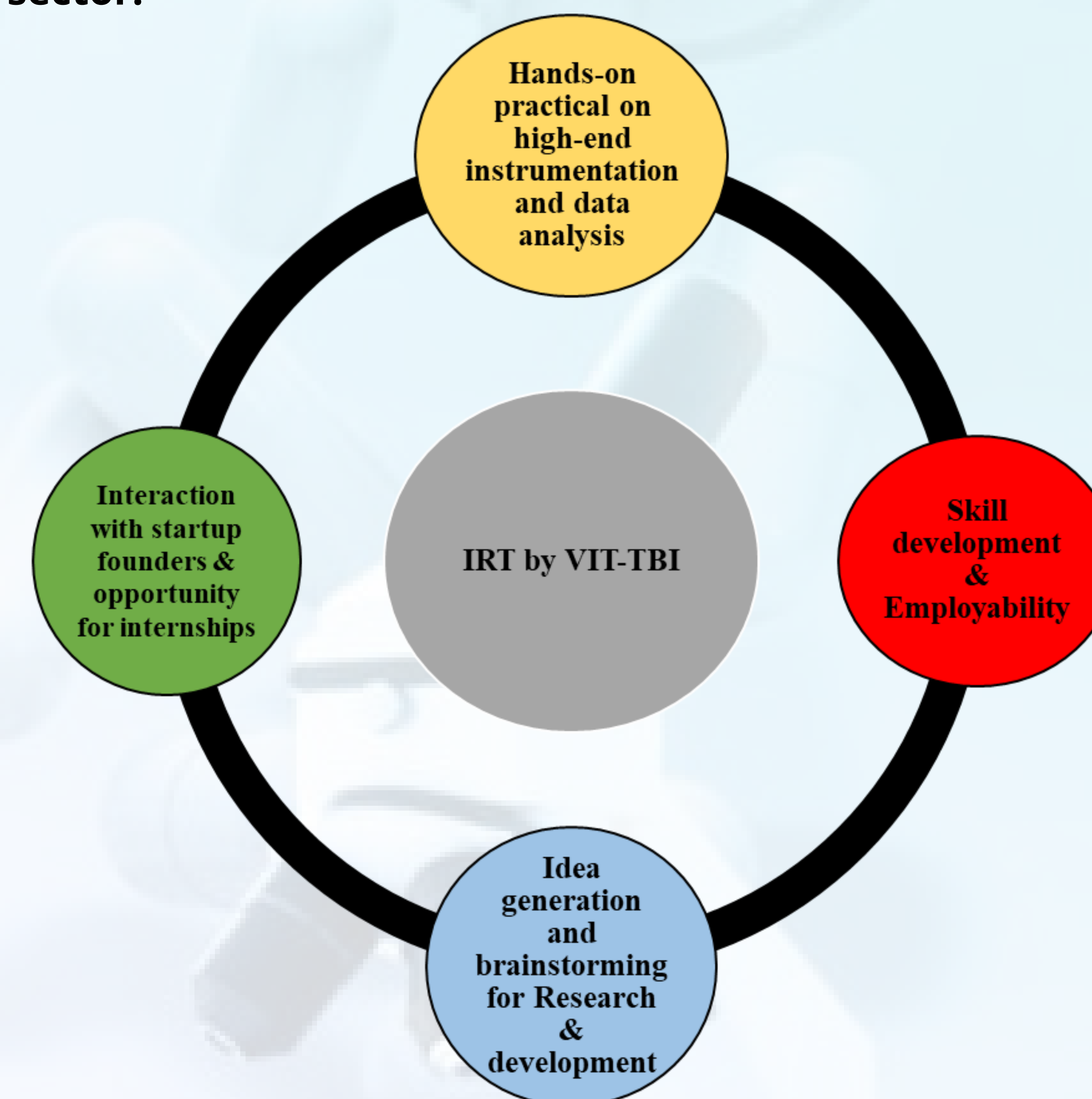
**Phone: 0416-2202306**

### Module 1

	Date	Topic
1	3.6.2024 – 5.6.2024	<u>Gene Profiling &amp; Expression</u> <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	6.6.2024 – 7.6.2024	<u>Proteomic profiling &amp; expression</u> <ul style="list-style-type: none"> <li>Western blotting</li> <li>Data analysis</li> </ul>
3	8.6.2024	<u>Big data analysis</u> <ul style="list-style-type: none"> <li>Mutation analysis</li> <li>DNA Sequencing data analysis</li> </ul>
4	10.6.2024	Industrial Visit (Tentative)  NOTE: Industrial visit is only for the participants preferred both <b>Module 1 &amp; Module 2</b>

### Module 2

	Date	Topic
1	11.6.2024 – 12.6.2024	<u>Liquid Chromatography (HPLC &amp; UPLC)</u> <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	13.6.2024	<u>Atomic Absorption Spectroscopy (AAS)</u> <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> </ul>
3	13.6.2024	Valedictory & Certificate distribution



**For Registration & Payment Details**

Scan here

