

## Sectors Focus



## Impact Highlights



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## CIIC CAMPUS

### CHENGALPATTU

B. S. Abdur Rahman Crescent Institute of Science & Technology,  
Seethakathi Estate, GST Road, Vandalur,  
Chengalpattu - 600 048, Tamil Nadu, India.

### CHENNAI

1st Floor Seethakathi Business Centre, Anna Salai,  
Thousand Lights East, Thousand Lights,  
Chennai - 600 006, Tamil Nadu, India.

### MADURAI

Seethakathi Estate, Alagar Kovil Road,  
Madurai - 625 301, Tamil Nadu, India.

### BENGALURU

ETA Mall, Tank Bund Road, Binn Pete,  
Cottonpete, Bengaluru - 560 026, Karnataka, India.

CIIC UPDATES



CIIC is one-stop shop for transforming bold ideas into impactful startups. With a strong foundation rooted in innovation and entrepreneurship, CIIC empowers students, faculties, alumni, and startups to turn ideas into scalable, real-world solutions.

## Crescent Innovation & Incubation Council



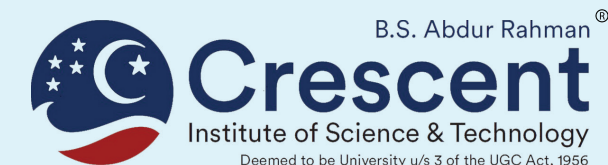
Ideate

Incubate

Accelerate

## ONE STOP SHOP STARTUP INCUBATOR

INNOVATION AMBIT OF

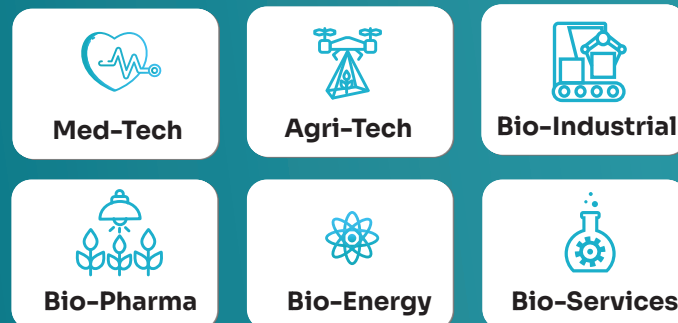






## LIFESCIENCES SERVICES

### THRUST AREAS



### R&D FOCUS



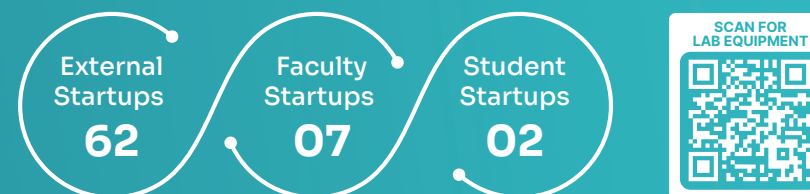
### TRAINING PROGRAMS



### LAB FACILITIES



## Number of Lifesciences startups - 71



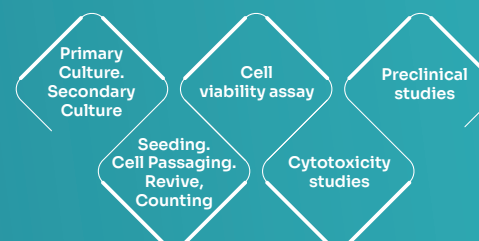
### MOLECULAR BIOLOGY

Primer Designing	Transformation	PCR
Construct Designing	DNA Extraction (Manual + Column Based)	Reverse Transcription PCR
Competent cell preparation	RNA Extraction	Agarose Gel Electrophoresis, SDS PAGE

### PHYTOCHEMICAL EXTRACTION AND PURIFICATION HERBAL

- Solvent Extraction
- Purification of compound by chromatography
- Estimation of compound
- Compound Characterization
- HPLC-Purity compound
- Functional Groups of Compound
- Mass Spectrometer. Size of Compound
- NMR- Structure of the Compound
- Crystallography -Structure of the Compound
- MTT assay-Cytotoxicity of the Compound
- DPPH assay-Free Radical Identification

### CELL BIOLOGY



### BIO PROCESS

Up-stream process	Media optimization/ Parameters optimization	Product purification (Centrifugation ration)
Strain identification isolation	Fermentation	Product testing and validation (QC/QA)
Strain development	Down-Stream Process	Lyophilization and packing

### BIOINFORMATICS

Sequence Alignment	Multiple Sequence Alignment
Structure Alignment	Protein Parameter identification
Swiss PDB	CCPP4
COOT	RASMOL

Sanger Sequencing	Whole genome sequencing (WGS)
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### NEXT GENERATION SEQUENCING

Metagenome Sequencing (16 rRNA & ITS2)	Data Analysis
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### OTHER SERVICES

Testing Services	Student Project/ Internship
Contract Research	Entrepreneurship program
IPR/Technology transfer	Scientific Writing & Publication



## PROGRAMS OFFERED

### RAI PROGRAM

- Robotics
- Artificial Intelligence
- Internet of Things



### PBI PROGRAM

- Project Based Internship on Gen AI - AI - ML - DS - IoT - Robotics

### ITP PROGRAM

- Industrial Training Program on Industry 4.0 & 5.0 Technologies



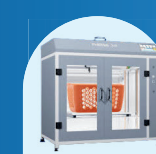
### VAC PROGRAM

- Value Added Courses on Industry 4.0 & 5.0 Technologies

## EQUIPMENT FACILITIES



Edge Computing Kit



3D Printer



Autonomous Robots Kits



Image Sensing Cameras



HPC Workstations



Cloud Computing AI - MI HPC Servers

## TECHNOLOGIES SUPPORTED

