



# CAMBRIDGE INSTITUTE OF TECHNOLOGY

(Run and managed by Cambridge Trust of India)

Tatisilwai, Ranchi, Jharkhand-835103, India

(Approved by AICTE New Delhi & Govt. of Jharkhand and

Affiliated to Jharkhand University of Technology Ranchi and Ranchi University, Ranchi)

## CIT-RISE

(Incubation Center)

---

---

### INNOVATION & START-UP POLICY OF

### CAMBRIDGE INSTITUTE OF TECHNOLOGY RANCHI

#### **Vision**

To cater the needs in building a strong ecosystem conducive for the growth of start-up activities at national level in order to drive sustainable economic growth through innovative ideas and entrepreneurship thereby making opportunities for employment generation

#### **Mission**

1. To promote innovation and entrepreneurships and related activities inside the campus
2. To motivate and encourage the students and faculty members towards start-ups
3. To facilitate the interested students and faculty members for implementing innovative ideas into real time implementation
4. To support, mentor, guide and nurture the innovative ideas for their conversion to start-ups
5. To organise start-up and entrepreneurship awareness programs periodically

#### **Short Term Objectives**

1. To facilitate the students and faculty members in prototyping their innovative ideas.
2. To provide platform for showcasing the innovative ideas and their prototypes through project exhibitions, idea pitch competitions, internal hackathons etc.
3. To offer awareness on IPR issues and support for patent drafting and patent filing.
4. To improve the level of design thinking among the students and faculty members
5. To provide Incubation Facilities for faculty driven or students driven business ideas
6. To organise expert lectures, awareness programmes, faculty development programmes (FDP), student development programmes (SDP), workshops etc to promote start-up ideas and entrepreneurial culture.
7. To strengthen the institute industry interaction activities and search for mentoring and technical support

#### **Long Term Objectives**

1. To contribute to the “Atm Nirbharbhar (Self Relaint) Bharat” through student and/faculty driven Start-ups and business models.

2. To initiate and strengthen associations with institutions like MSME, CII, DST, KIIT TBI, and other such organisations for seeking help and support for CIT-RISE (Incubation Center) activities.
3. To improve quality of B. Tech/M. Tech project works among students and to attain patent which can be commercially used in production.
4. To provide a platform for students to develop innovative products with global recognition and generate business opportunities.
5. To generate revenues through consultancy work and student start-ups.
6. To have maximum number of patents applied based on Students / faculty projects and innovative ideas
7. To have strategic partnership linkages with (a) Entrepreneurship Development Institute of India(EDII), Ahmedabad (b) National Innovation Foundation (NIF) of India to submit ideas and apply for schemes (c) Procure fund from AICTE for Entrepreneurship Development Cell for start-ups and entrepreneurs related schemes

### **Pre-incubation facility**

Firstly, it is very crucial at primarily level to identify which ideas can successfully go through the incubation process. This phase of pre-incubation can prepare aspiring entrepreneurs for the incubation phase by providing them prerequisite knowledge and skills which will assist them to validate and assess their ideas as well as prescribe their business models in detail. In the pre-incubation planning phase, the following activities are to be performed:

- I. Identification of problems: The problem should be identified such that it must solve the real life challenges.
- II. Idea generation: The idea should be novel, innovative and can be able to solve a real life problem effectively.
- III. Collection of Ideas: Students have to submit the ideas in proper format to the authority in online mode. The ideas may be considered to take part in state and national level competitions like smart India Hackathon and National Innovation Contest etc.
- IV. Screening of Ideas: Selected applicant will be invited to give presentation to evaluation committee based on their potency of idea they will be shortlisted.
- V. Supporting, mentoring and strengthening of ideas: The shortlisted ideas will go through series of workshops, webinars, lecture series etc. In order to improve their ideas to solve problems and know various aspects of start-ups, each idea may be under mentorship of a mentor provided by the Incubation Center from CIT-RISE. The following step may go to the incubation stage.
- VI. Business plan preparation: Workshop will be conducted on 'business plan development' for awareness of students by inviting renowned expert from industry or academia. Selected ideas are required to present their business plan with market analysis.
- VII. Prototype development: Finally students have to prepare a prototype for their ideas. The prototype may be prepared under direct supervision of mentor assigned.
- VIII. Basic Idea Testing: Student idea needs to be tested before applying for incubation. The validated list of promoters will be required at this stage
- IX. Registration of Start-up: The Student Start-up needs to be registered under a form of business entity like Partnership Firm, LLP, Private Limited Company and such start up

must be able to provide a copy of the registration certificate to Cambridge Institute of Technology, Ranchi.

## Incubation facility

After the process of pre-incubation, students have to be admitted in CIT-RISE for availing incubation facility. The objective of the incubation facility is to promote the received students ideas into successful start-ups. For this noble cause a number of facilities and services are provided by CIT-RISE to incubatees so that the innovative ideas can be converted to successful start-ups. The facilities and services provided to incubatees are illustrated in the institute website under “Incubation Center” tab with whose help Cambridge Institute of Technology Ranchi will try it’s best to turn students and faculties into successful entrepreneurs.

## Expert Committee

Sl. No.	Name	Designation /Association	Role
1	Prof. Amitabh Bhattacharyya	Director, Training and Placement, C.I.T Ranchi	Chairman
2	Prof. P N Singh	Dean (R&D), C.I.T. Ranchi	Member
3	Prof. Naveen Sinha	Dean (Academic), C.I.T. Ranchi	Member
4	Prof. Arshad Usmani	Head, Dept. of CSE, C.I.T. Ranchi	Member
5	Prof. Mukesh Kumar Sahu	Head, Dept. of Mech Engg., C.I.T. Ranchi	Member
6	Prof. Rasika Navneet Singh	Asst. Professor, Dept. of CSE, C.I.T. Ranchi	Member
7	Prof. Ankit Kumar	Asst. Professor, Dept. of MBA, C.I.T. Ranchi	Member
8	Ms Rachana Tiwari	Khadi India, Govt. of India	Member (Ext.)
9	Mr. Shashi Krishna,	Director, Ennoble Helps Pvt. Limited	Member (Ext.)
10	Mr. Pulkit Jain	Director, Electromotion E-Vidyut Vehicles Private Limited (Entrepreneur cum Alumni)	Member (Ext.)
11	Prof. KP Dutta	Professor In-Charge, Incubation Center	NISP Coordinator and Convenor

## Thrust Areas

1. 3-D Printing
2. Waste Management
3. Retrofitting Technology
4. Android based App development
5. IOT based Technologies
6. Embedded System
7. Advanced Manufacturing using CAD/CAM
8. Renewable Energy Systems

## 9. Coding Technologies

### **Collaboration, Co-creation, Business relation**

1. Stakeholder engagement would be given prime importance in the entrepreneurial agenda of the institute. Institute would find potential partners, resource organizations, micro, small and medium sized enterprises (MSMEs), social enterprises, schools, alumni, professional bodies and entrepreneurs to support entrepreneurship and co-design the programs.
2. Knowledge exchange through collaboration and partnership would be made a part of institutional policy and institute will provide support mechanisms and guidance for creating, managing and coordinating these relationships.
3. Through formal and informal mechanisms such as internships, teaching and research exchange programmes, clubs, social gatherings, etc., faculty, staff and students of the institute would be given the opportunities to connect with their external environment with an objective to accomplish the start-up and entrepreneurship goals

### **Tentative plan for the next 5 years**

Sl. No.	Activity	Frequency (Minimum)
1	Field/Exposure Visit to Village/Society /School/Industry/Market – Identity real Life Problem	1/Year
2	Special Talk on My Story - Entrepreneur’s Life & Crossroad – Motivational Speak - To be Share by Entrepreneurs	3/Year
3	One Day Workshop on “Entrepreneurship and Innovation as Career Opportunity”	1/Year
4	Industrial Motivation Campaign	1/Year
5	Internal Hackathon/ Idea Pitch Competition	1/Year
6	Project Exhibition	1/Year
7	Business Plan Contest	1/Year
8	Faculty Development Programme on Start-ups and Entrepreneurships	1/Year
9	Field/Exposure Visit to Design Centre/Makers’ Space/Fab Lab/Prototype Lab/Tinkering Lab etc	1/Year
10	Seminar on Understanding Angel and Venture Capital Funding - What is there for Early Stage Innovator & Entrepreneurs	1/Year
11	Boot Camp for Product Development (Early Stage)	1/ Year

### **Entrepreneurial Impact Assessment**

The socio-economic effectiveness of the activities of the Incubation Centre and the economic, social and cultural enhancement resulted from them shall be evaluated annually considering the output-outcome –impact dimensions. The impact assessments shall be qualified and analysed on the basis of:

1. Programs conducted by the Center or departments of the Institution for promoting innovation and entrepreneurships

2. Participation and representation of Students/faculty in various events/ programmes offered by the Incubation Centre, departments of the Institution or any other host institution
3. Additions to the existing Infrastructure and facilities oif the Incubation Center/R&D Cell
4. Number of registered Incubatee at the Center
5. Number of patents applied by the aspiring Entrepreneurs and number of patents granted
6. Research publications made by the Students/Faculty Members
7. Signing of MOUs and incubation associations with other reputed private and government organisations
8. Grants/funds/ start-ups income received by the Students/ faculty of the Institution
9. Participation of Students in Smart India Hackathon and other national level startup and Innovative Idea Competitions

### **Provision for Amendment in the Policy**

1. Every proposal to amend the Innovation and Start-Up Policy of Cambridge Institute of Technology will be passed at a meeting of the Expert Committee by a majority of not less than three-fourth of the votes of the members present in the committee and the meeting.
2. The proposal of the amendment in the Innovation and Start-Up Policy of Cambridge Institute of Technology duly recommended by the Executive Committee will be in force only after the approval of the competent authority/Principal of the Cambridge Institute of Technology, Ranchi.



(KP Dutta)  
Coordinator, NISP,  
C.I.T. Ranchi

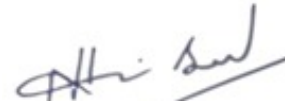


Prof. (Dr.) Amitabh Bhattacharyya  
Chairman,  
CIT-RISE (Incubation Center)

Remarks by the Principal:

**Approved**

Date 21/01/2021



Prof. N. Haribabu,  
Principal,  
Cambridge Institute of Technology, Ranchi

---

CIT-RISE, Second Floor, CM Building, Cambridge Institute of Technology, Ranchi

e-mail: [tnp@citranchi.ac.in](mailto:tnp@citranchi.ac.in), [ic@citranchi.ac.in](mailto:ic@citranchi.ac.in), [principal@citranchi.ac.in](mailto:principal@citranchi.ac.in)

Website: [www.citranchi.ac.in](http://www.citranchi.ac.in)