

CIT Innovation and Start-up Policy

Vision

“To cater the needs of young student entrepreneurs with innovative ideas of social relevance and there by introducing a culture of entrepreneurship inside campus which will strengthen our education system and there by promoting the national economical and social growth”.

Mission

“To develop an ecosystem with required infrastructure that can enable students and faculty to innovate and prototype their potential ideas with industrial standards and support from Government, industry and reputed academic institutions around the world and help them to realize their potentials”.

Short Term Objectives:

1. To help student groups to prototype their ideas.
2. To improve innovation, creative and design thinking among student community.
3. Incubation facility for faculty driven start-up and student/Alumni start-up.
4. Organize FDP, seminars and workshops, distinguish talks for students, Faculty and Alumni and promote entrepreneurial culture.
5. Strengthen institute industry interaction cell activity and effectively use the outcomes for achieving the mission.

Long Term Objectives:

1. Associate with DST, CII, MSME and other academic institutions for transferring world class facility for CIT IEDC activities.
2. Improve quality of research work among students and to attain patent which can be commercially used in production.
3. Provide a platform for students to develop innovative products with global recognition and generate business opportunities.
4. Generate revenues through consultancy work and student start-ups.

5. Spread awareness to students and faculty regarding IPR related activities.
6. Strategic partnership linkage with
 - a) Entrepreneurship Development Institute of India(EDII), Chennai
 - b) National Innovation Foundation (NIF) of India to submit ideas and apply for schemes
 - c) Procure fund from AICTE for Entrepreneurship Development Cell.

Committee Members

S. No.	NAME	POSITION
1	Dr.A.Ramesh Principal, Chennai Institute of Technology, Chennai	President
2	Dr.R.Balamurali Associate Professor, ECE Department	NISP Coordinator
3	Dr.P.Suresh Kumar Professor, ECE Department	Innovation Ambassador
4	Dr.V.Veerappan Co Founder & Director, Tessolve semiconductor Pvt.Ltd	Industrialist
5	Mr.S.Gokula Krishnan ,CEO, Chennai Institute Technology Business Incubation Forum (CITBIF), Chennai.	Incubation Coordinator
6	Dr. P. Chandra Kumar Start Up Manager, Veltech R&D Institute of Science and Technology	Incubation Coordinator
7	Mr.S. Thangapandian Assistant Controller, Indian patent office, Chennai	Patent Expert
8	Mr.G.Saran Foundar GoGo Soon Private Limited,Chennai	Alumni Entrepreneur
9	Mr.S. Sampath Kumar CEO & CMO Festa Solar Private Limited,Chennai	Entrepreneur
10	Mr.Radhakrishnan CAPCP Engineering Services Private Limited Chennai	Entrepreneur

Thrust Area

S. No.	PLAN
1	CITBIF Strategies & Governance for Promoting Innovation & Entrepreneurship
2	Creating Innovation Pipeline and Pathways for Entrepreneurs
3	Building Organizational Capacity, Human Resources and Incentive

4	Collaboration Co-creation and Business Relationship and knowledge Exchange
4	Norms for Faculty & Students Driven Innovations and Start-ups
5	Incentivizing Faculty & Students for Entrepreneurship
6	Norms for Faculty Start-up
7	Incubation & Pre-Incubation support
8	IP Ownership Rights for Technologies Developed at CIT and CITBIF
9	Pedagogy & Learning Interventions for Supporting Innovations & Start-ups
10	Entrepreneurial Performance Impact Assessment

KPI Monitor & Evaluation

Hierarchy of Objectives	Key Performance Indicators (KPIs)	Means and Verification
Vision	<ul style="list-style-type: none"> •5% Increase in Self-Employment Rate •5 Established Start-ups 	<ul style="list-style-type: none"> • ARIIA, NIRF Rankings
Goal/Impact	<ul style="list-style-type: none"> •Enable Environment with multiple level of support for innovation & Entrepreneurship in CITBIF •5% of Graduate students will choose Entrepreneurship as career •10% of Student and Graduates Practice Entrepreneurship 	<ul style="list-style-type: none"> • Biannual Survey • ARIIA, NIRF Rankings
Outcomes	<ul style="list-style-type: none"> •25%of student & faculty mass with entrepreneurship Orientation •12% of Student & faculty motivated to start any entrepreneurial activity •5 of IPR/Innovations developed for commercialization •5 of Student/Early Stage Start-ups formed •12% of In-house Expert Capacity available for Advisory Services •12% of Satisfaction over Advisory services offered to Innovators & Early Stage Entrepreneurs •Network Established with connecting multiple stakeholders & Ecosystem Enablers 	<ul style="list-style-type: none"> • Biannual Survey •Quarterly News Letter
Outputs	<ul style="list-style-type: none"> •25% of Student & faculty mass exposed to awareness/orientation building programs •25% of Students covered through entrepreneurship Education; MOOC, Class Room, Experiential Learning programs etc. •250 of beneficiaries are accessing the infrastructure & facilities per day, month & Year •50 of innovators identified; 25 of awarded,/recognized; 25 of Supported 	<ul style="list-style-type: none"> •Biannual Survey •Monthly progress report

	<ul style="list-style-type: none"> •5 of Student projects turns to (commercialize) Innovations •5 of IPR based product/services generated and registration filed •12% of in-house trained professional developed for advisory services •5 of Research Studies on Entrepreneurship published •02 of Regional, National and International linkages established for the start-up & innovation •5% Representatives of experts & entrepreneurial students across Dept & Disciplines. •5 of Beneficiaries Referred to Incubators/investors for further support through Start-up Cell •10 of Beneficiaries generated under various schemes and programs leveraged and converged at Start-up Cell 	
Activities	<ul style="list-style-type: none"> •5 Education/Skill certification program on Entrepreneurship, IIPR, Innovation etc. •25 of workshops, awareness, market outreach events, orientation, advocacy meetings etc. •12 of networking event (Intra and Inter-institutional, enablers, stakeholders) organized •5 of skill and competency development training programs/FDPs/EDPs organized. •5 of research studies related to Entrepreneurship conducted •01 of national and regional award and campus Hackathon like events organized •Incentivizing Entrepreneurship and Innovation; services and facilities; Start-up Manual, policies, tool kits etc. •1% of total budget/year spend against total institution revenue for start-up •Budget allocation and Spend ratio for the start-up mandate in institute 	<ul style="list-style-type: none"> •Biannual Survey •Quarterly News Letter •Monthly progress report •Review Meetings
Equity	<ul style="list-style-type: none"> •Incubation support and facility with an exchange of equity (approximately 5-15%) for startups based on TRL level and market potential of the products. 	<ul style="list-style-type: none"> •Biannual Survey •Monthly progress report •Review Meetings

Tentative plan for the next 5 years

S. No.	Activity	Frequency
1	One Day Workshop on “Entrepreneurship and Innovation as Career Opportunity”	One per Year
2	One Day Workshop on Problem Solving/Design Thinking/Ideation Workshop/ Campus Hackathon etc	Two per Year
3	Field/Exposure Visit to Village/Society /School/Industry/Market – Identity real Life Problem	Two per Year
4	Special Talk on My Story - Entrepreneur’s Life & Crossroad – Motivational Speak - To be Share by Entrepreneurs	Two per year
5	Product Development Phases - Story Telling - (Innovators in Campus)	Two per year
6	National Conference/workshop on Start-up/Social Innovation & Entrepreneurship	One per Year
7	Demo Day – Exhibition Cum Demo for PoCs & Mentorship Session for Innovators (or) Student Entrepreneurs	One per Year
8	Internship at Innovation & Start-up Centre/Startups/Incubation Unit etc. during Semester Break	One per Year
9	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre	Two per Year
10	Business Plan Contest	One per Year
11	One Day Awareness/Mentoring Session on IPR & IP Management for Innovation and Start-ups	One per Year
12	Field/Exposure Visit to Design Centre/Makers’ Space/Fab Lab/Prototype Lab/Tinkering Lab etc	Two per Year
13	Seminar on Accelerator/Incubation - Opportunity for Student Faculty - Early Stage Entrepreneurs	One per Year
14	Seminar on Understanding Angel and Venture Capital Funding - What is there for Early Stage Innovator & Entrepreneurs	One per Year
15	Bootcamp for Innovation product development	One per Year
16	Innovation Day Celebrations	One per Year
17	National Science Day	One per Year
18	Workshop Funding Opportunities for Innovation and Entrepreneurship Development	Two per Year
19	CITBIF Hackathon	One per Year
20	Short Term Training course on Innovation /Start-up & Entrepreneurship	Two per Year

IPR and Patent Policy

Intellectual Property Rights (IPRs) are legal right that protects creations and/or inventions resulting from intellectual activity in the Institutions.

CIT has its IPR policy which will serve the purpose of creating awareness on converting potential ideas into IPR and protecting the IPRs which genuinely belong to the Institution and inventors. The policy is detailed below:

The intellectual properties can be broadly listed as follows:

- a) Patent: is an exclusive right granted for an invention, which is a product or a process that provides a new way of doing something, or offers a new technical solution to a problem.
- b) Copyright: is an exclusive right given to the author of the original literary, architectural, dramatic, musical and artistic works; cinematograph films; and sound recordings.
- c) Trade/Service mark: means a mark capable of being represented graphically and which is capable of distinguishing the goods or services of one person from those of others and may include shape of goods, their packaging and combination of colours

1.1 PURPOSE

CIT has formulated this policy for the management of intellectual property right to:

1. Provide a conducive environment leading to development of intellectual property
2. Facilitate, encourage, promote and safeguard scientific investigation and research and the freedom of the faculty/ scholars involved in R&D
3. Promote, facilitate and provide incentives to the members of the community of creators who take initiatives to transfer institute intellectual property to the public under this policy
4. Enable the institute to secure sponsored research funding at all levels of research
5. Make the institute a leading academic research institution
6. Make the creator of IPR aware of the applicable laws and rules for ensuring their compliance

1.2 OBJECTIVES

The objectives of the policy are as follows.

1. To promote academic freedom and safeguard in creation of intellectual property at the institute
2. To promote IPR culture
3. To preserve the academic freedom to publish the research results and to make them aware that if they do decide on public release, the patent system cannot be brought in to play thereafter.
4. To ensure that once they decide to explore the prospectus of commercialisation of IP, they must disclose it to the Institute, while continuing to keep the information confidential until patent applications are being processed; and
5. To ensure the release of institute's rights relating to an IP, back to the researcher where institute decides not to pursue the opportunity for commercialisation.

1.3 FOR WHOM THIS IS MEANT

This policy covers all the faculty members, students and also persons engaged in sponsored schemes and projects, from government and any other initiatives of the Institute as well as visiting scientists/professors/personnel who participate in the research work carried out at the Institute.

1.4 WHAT CONSTITUTES INTELLECTUAL PROPERTY

- 1.4.1 IP is an intangible knowledge product resulting from the intellectual output of the inventors, namely faculty, staff and students of the Institution. IP thus is an outcome of in-house or sponsored research, industrial consulting or other forms of collaborative R&D
- 1.4.2 Any product of the human intellect which is unique, novel and unobvious and which qualifies for protection under relevant acts of the government governing to patents, copy rights and so on, and developed at CIT BELONGS TO THE Institute. IP can be of the following forms: know-how, and other proprietary concepts, solutions, procedures, including an invention, scientific or technological development, and even computer software, genetically engineered microorganisms and business models and other forms as the need arises.
- 1.4.3 The above forms of IP can be protected, under domestic and international institute. It can then be protected within the country or abroad. The office of the intellectual property cell (IP Cell) deals with all activities relating to Intellectual Property of the Institution.
- 1.4.4 The product of the intellect can have potential for faculty entrepreneurship. Such activities will ensure that the intangible IP reaches a tangible form that can be marketed. When this is the case, the guidelines for Faculty Entrepreneurship shall be followed. The office of Entrepreneurship Development Cell (EDC) handles all activities related to entrepreneurship of any faculty.

1.5 OWNERSHIP

1.5.1 In – House Research

All rights in respect of investigations carried out at the Institute shall vest in and be the absolute property of the Institute except in respect of the activities carried out jointly with other Institutions or agencies or under a sponsorship by an agency, in which case the ownership will be decided and agreed upon mutually.

1.5.2 Sponsored Research

Intellectual Property Rights (IPR) of inventions arising out of research projects undertaken on behalf of the sponsoring agencies shall be taken jointly in the name of the Institute and sponsoring agencies, when the sponsoring agencies bear the cost of filing and maintaining of the IPR equally. If the sponsoring agencies are not forthcoming, the Institute at its discretion may file the application with absolute ownership and Institute will meet the entire cost of filing and protection of IPR.

1.5.3 Collaborative Research

All intellectual property jointly created, authored, discovered, invented, conceived or reduced to practice during the course of collaborative research undertaken jointly by Institute with collaborating Institutions, shall be jointly owned, and the Collaborating Institutions will be requested to bear the cost of filing and maintenance of IPR. In case the Collaborating Institutions are not forthcoming to bear fully the cost of filing and maintenance, if considered expedient by the Institute, the Institute will share the cost equitably with the Collaborating Institutions. Where the Collaborating Institutions are not forthcoming for filing joint IPR application, the Institute at its discretion may file the application with absolute ownership and Institute will meet the entire cost of filing and protection of IPR.

1.6 COPYRIGHT

1.6.1 CIT shall be the owner of work, including software created by CIT personnel with significant use of CIT resources.

1.6.2 If the Institute foresees a gainful return from copyrights it may initiate steps to file and protect such copyrights and share the financial benefits with the inventor on terms and conditions of the Institute.

1.6.3 CIT shall be the owner of copyright on all teaching or technical materials developed by CIT personnel as part of any of the academic programmes at CIT. The authors shall have the right to use the non – funded technical material in his / her professional capacity. If the teaching or technical materials are prepared by the author on behalf of CIT, then the copyright will be equally shared between the institute and the author. As traditional exception, CIT shall not claim ownership of copyright on books and publications authored by CIT personnel.

1.6.4 Any IP generated when an inventor from the Institute works in a University or company abroad / in India on EOL/Sabbatical leave/earned leave, will be jointly owned by CIT and the University/Company.

1.7 TECHNOLOGY TRANSFER

- 1.7.1 The Intellectual Property of the Institute held either in the name of CIT or jointly with other Institutions/Industry will be marked for commercial exploitation under agreements involving technology transfer, licensing and revenue sharing models.
- 1.7.2 The IP Cell shall identify potential licenses(s) for the IP to which CIT has ownership. In case of joint ownership, the organisations/Industry which has sponsored the activity, will have the first right to commercially utilize and exploit intellectual products emanating from the collaboration activity, whether or not the same have been formally protected by patent(s). The licensing to commercially explicit would involve technology transfer fee and also royalty payment from the first date of such commercial exploitation for a period that will be as mutually agreed upon.
- 1.7.3 In the event of the other collaborating organisation/industry not undertaking the commercial exploitation within reasonable period of two years from the first date of development of the technology, CIT reserves the right to transfer the said know-how to a third party for its commercial exploitation and use. In such instance, however, CIT shall share the net proceeds from such commercial assignments, in equal measure with the collaborating organisation/industry in the ratio 1:1.
- 1.7.4 CIT would endeavour to exploit the IP by commissioning a Technology Management Agency and thereby bring to favourable light the IP produced by its inventor(s). The inventor(s) may seek CIT to assign the rights to them after a certain holding period.

1.8 REVENUE SHARING

- 1.8.1 The revenue sharing out of licensing of IP and royalty would be shared in the appropriate ratio (currently, this ratio is 60:40) between the inventor(s) and the Institute. If CIT reassigns the right of the IP to its inventor(s), the inventor(s) shall reimburse all the costs incurred by CIT, which include protection, maintenance, marketing and other associated costs.

1.9 INFRINGEMENTS, DAMAGES, LIABILITY AND INDEMNITY

- 1.9.1 As a matter of policy, CIT shall, in any contract between the licensee and CIT, seek indemnity from any legal proceedings including this, but not limited to manufacturing defects, production problems, design guarantee, upgradation and debugging obligations.
- 1.9.2 CIT shall also ensure that CIT personnel have an indemnity clause built into the agreements with licensee(s) while transferring technology or copyrighted material to licensees.

1.10 CONFLICT OF INTEREST

- 1.10.1 The inventor(s) are required to disclose any conflict of interest or potential conflict of interest.

1.11 DISPUTE RESOLUTION

1.11.1 In case of any disputes between CIT and the inventor(s) the implementation of the IP policy, the inventor(S) and appeal to the Principal of CIT. Efforts shall be made to address the concerns of the inventor(s) by developing and instituting an arbitration mechanism and arrangement. The Principal's decision in this regard would be final and binding on both Institute and inventor.

1.12 JURISDICTION

As a policy, all agreements to be signed by CIT will have the jurisdiction of the courts of Coimbatore and shall be governed by appropriate laws in India.

1.13 FINANCIAL ASSISTANCE

CIT has the provision to get the liability incurred over the intellectual property developed in this institute. As a support to inventor Management will provide the following financial assistance to the faculty members

- Patent filing fee Rs. 8900/-
- Patent FER respond fee Rs. 7500/- for expert advise
- Patent after granting Maintenance fee for 20 years. (approx. Rs. 50,000/-)

By the above support the institution get the commercialisation amount in the ratio of 40% and 60% to inventor.

In addition CIT may provide the seed money of maximum of Rs. 1,00,000

RESOLUTION

Governing Body in its meeting conducted on 29.12.2022, has passed the following resolution

Agenda 46 : Approval for CIT innovation and Start-up policy.

Principal has presented the CIT Innovation and Start-up policy framed in accordance with the National Innovation and Start-up Policy and Tamil Nadu Start-up policy. He has highlighted the salient features of CIT innovation and Start-up policy

Resolution : Members of the Governing body has given the approval to the CIT Innovation and Start-up policy which was presented by the Principal and has instructed the Principal to post the same in the Institution website and also conduct awareness sessions to the students

/ APPROVED /



CHAIRMAN
GOVERNING BODY