

NEW PRINCE SHRI BHAVANI

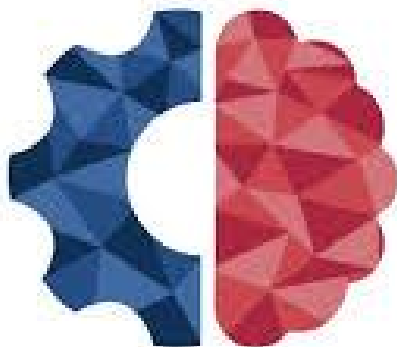
COLLEGE OF ENGINEERING AND TECHNOLOGY

Vengaivasal Main Road, Gowrivakkam, Chennai – 73

Affiliated to Anna University, Chennai



NATIONAL INNOVATION AND STARTUP POLICY (NISIP) 2020



**MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)**

Vision

To serve the society through student entrepreneurs by building streamlined and strengthened innovation and entrepreneurial ecosystem inside campus with the promotion of strong intra and inter-institutional partnerships and also with ecosystem enablers and stakeholders at regional, national and international level.

Mission

To develop a vibrant startup ecosystem with required infrastructure that can create, aid and nurture the environment that make students and faculty members to innovate, to model and to implement their potential ideas effectively with the support of Government, industries and peer institutions.

Short term objectives

1. To assist student groups to prototype their innovative ideas.
2. To promote innovation, creative and design thinking among student and faculty community.
3. To offer an improved Incubation facility for having better entrepreneurial ecosystem.
4. To promote entrepreneurial culture by organizing more number of relevant FDP, STTP, seminars and workshops
5. To reinforce institute industry interaction activity and to effectively use the outcomes for achieving the mission.

Long term objectives

1. To extend a dedicated support to Indian based start-ups developing innovative technology solutions for serving basic needs in our society.

2. To associate with government bodies like DST, CII, TNASC, MSME and other academic institutions for transferring world class facility to the stakeholders of NPSBCET
3. To encourage the stakeholders of NPSBCET to work on innovative commercial products based projects that will serve the needs of our nation.
4. To provide a platform for young students to develop products with global recognition that can generate business opportunities.
5. To engage start up by providing opportunity to explore more on consultancy activities.
6. To spread awareness to students and faculty on research and IPR activities.

Policy Problem or Thrust Area

S. No.	Plan
1	NPSBCET Strategies & Governance for Promoting Innovation & Entrepreneurship
2	Creating Innovation Pipeline and Pathways for Entrepreneurs
3	Building Organizational Capacity, Human Resources and Incentives
4	Collaboration Co-creation and Business Relationship and Knowledge Exchange
5	Norms for Faculty & Students Driven Innovations and Startups
6	Incentivizing Faculty & Students for Entrepreneurship
7	Norms for Faculty Start-up
8	Incubation & Pre-Incubation support
9	IP Ownership Rights for Technologies Developed at NPSBCET
10	Pedagogy & Learning Interventions for Supporting Innovations & Start-ups
11	Entrepreneurial Performance Impact Assessment

Benchmark- KPI Monitor and Evaluation

Hierarchy of Objectives	Key Performance Indicators (KPIs)	Means and Verification
Vision	<ul style="list-style-type: none"> •5% increase in Self-Employment rate •10 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 NPSBCET •5% of graduate students will choose Entrepreneurship as career •10% of students and graduates practice Entrepreneurship 	<ul style="list-style-type: none"> •Biannual Survey •ARIIA, NIRF Rankings
Outcomes	<ul style="list-style-type: none"> •50% of students & faculty members mass with Entrepreneurship orientation •25% of students & faculty members motivated to start any entrepreneurial activity •10 of IPR/Innovations developed for commercialization •10 of student/early stage Start-ups formed •25% of in-house expert capacity available for Advisory Services •25% 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"> •50% of student & faculty mass exposed to awareness/orientation building programs •50% of students covered through Entrepreneurship education; MOOC, Class Room, Experiential Learning programs etc. • 500 of beneficiaries are accessing the infrastructure & facilities per day, month 	<ul style="list-style-type: none"> • Biannual Survey • Monthly progress report

	<p>&Year</p> <ul style="list-style-type: none"> • 100 of innovators identified; 50 of awarded,/recognised; 50 of supported • 10 of Student projects turns to (commercialize) innovations • 28 of IPR based product/services generated and registration filed • 25% of in-housetrained professional developed for advisory services • 10 of Research Studies on Entrepreneurship published • 05 of Regional, National and International linkages established for the start-up &innovation • 10% representatives of experts & entrepreneurial students across Dept & Disciplines. • 10 of beneficiaries referred to Incubators/investors for further support through Start-up Cell 	
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Tentative plan for the next 5years

Sl.No	Activity	Frequency
1.	One Day Workshop on “Entrepreneurship and Innovation as Career Opportunity”	2/Year
2.	One Day Workshop on Problem Solving/Design Thinking/Ideation Workshop/ Campus Hackathon etc.,	2/Year
3.	Field/Exposure Visit to Village/Society /School/Industry/ Market – Identity real Life Problem	1/Year
4.	Special Talk on My Story - Entrepreneur’s Life & Crossroad – Motivational Speak - To be Share by Entrepreneurs	2/Year
5.	Product Development Phases - Story Telling - (Innovators in Campus)	2/Year
6.	National Conference on Start-up/Social Innovation & Entrepreneurship	1/Year

7.	Demo Day – Exhibition Cum Demo for PoCs & Mentorship Session for Innovators (or) Student Entrepreneurs	1/Year
8.	Internship at Innovation & Start-up Centre/Start-ups/Incubation Unit etc. during Semester Break(Duration may vary from minimum 15 day)	2/Year
9.	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre	1/Year
10.	Business Plan Contest	2/Year
11.	Workshop on Business Model Canvas (BMC) and (or) Business Plan Competition to Invite Innovative Business Models from Students	2/Year
12.	One day workshop on “How to plan for Start-up and legal and Ethical Steps	2/Year
13.	Half day Interactive/online Session/Mentoring Session “Hangout with Successful Start-ups” (Entrepreneurs in Campus)	2/Year
14.	One Day Awareness/Mentoring Session on IPR & IP Management for Innovation and Start-ups	2/Year
15.	Field/Exposure Visit to Design Centre/Makers’ Space/Fab Lab/Prototype Lab/Tinkering Lab etc	2/Year
16.	Seminar on Accelerator/Incubation - Opportunity for Student Faculty - Early Stage Entrepreneurs	2/Year
17.	Seminar on Understanding Angel and Venture Capital Funding - What is there for Early Stage Innovator & Entrepreneurs	2/ Year
18.	Bootcamp for Innovation product development	-
19.	Innovation Day Celebrations(Birthday of Dr.APJ)	1/ Year
20.	National Science Day	1/ Year

21.	Workshop Funding Opportunities for Innovation and Entrepreneurship Development	2/ Year
22.	NPSBCET Hackathon(Software)	1/ Year
23.	NPSBCET Hackathon(Hardware)	1/ Year
24.	Short Term Training course on Innovation /Start-up & Entrepreneurship	2/ Year
25.	Innovation and Entrepreneurship Annual Day	1/ Year

Program Implementation – Using Problem Tree and Policy Logical Tools

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} Long Term Objectives

