



Patrician College of Arts and Science

A Christian Minority Institution

A Sister Institute of St. Michael's Academy and St. Patrick's A.I. Hr Sec School

Approved by the Govt. Of Tamilnadu (G.O. No 168) & Affiliated to the University of Madras
Accredited 'A' Grade by NAAC

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Patrician College Of Arts and Science has joined the campaign on implementing National innovation and start-up policy (NISP) under the aegis of the Ministry of Education Innovation Cell (MIC) and adopted the policy framed by MIC. The policy aims at promoting innovation and start-up culture among the students and faculty of Higher education institutes. A copy of the NISP document is attached below

NATIONAL INNOVATION AND STARTUP POLICY

VISION

To make Patrician College of Arts and Science as Advancement Centre and the foremost favoured goal for Start-ups by 2025

MISSION

To produce, reinforce and develop a dynamic Start-up biological system in Patrician college coming about in advancement and enterprise driven business and financial development

Short term Objectives

1. To facilitate development of an entrepreneurial ecosystem in the organization
2. To support and develop start-ups with all amenities

Long term Objectives

- 1.To spread awareness among the students and the faculty on research and IPR activities
- 2.To extend a dedicated support to Indian based start-ups developing innovative technology solutions for serving the basic needs of our society
- 3.To provide a platform for young students to develop products with global recognition that can generate business opportunities.
- 4.To encourage start-up initiatives by providing opportunities to explore more into consultancy activities

Committee Members:

| S.NO | NAME | POSITION | CONTACT DETAILS |
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Policy Problem or Thrust Area:

The proposed thrust areas for the incubation are chosen based on the regional needs and the strengths of resources available to the college.

These chosen focus areas include:

1.Rural Innovation and Social Entrepreneurship,

2.Agri-Business (farmer producer company, post-harvest technology, foundation seed production programme)

3. Information and communication Technologies (to include Social media and e-commerce),

4.Data Analytics, Education and Education Technologies,

5.Operations and Supply Chain Management, Social Start-ups with focus on creating social impact, Management of Innovation, creation of IPR, Management of Innovation, Types of IPR, Patents and Copyrights, Patents in India. Details are as follows:

PLAN

| S.No | Plan |
|------|--|
| 1 | 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 Start-ups |
| 6 | Incentivizing Faculty & Students for Entrepreneurship |
| 7 | Incubation & Pre-Incubation support |
| 8 | IP Ownership Rights for Technologies Developed at PIIC |
| 9 | Pedagogy & Learning Interventions for Supporting Innovations & Start-ups |
| 10 | Entrepreneurial Performance Impact Assessment |

Benchmark – 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 •2 Established Start-ups | ARIIA, •NIRF Rankings |
| Impact | <ul style="list-style-type: none"> •Enable Environment with multiple level of support for innovation & Entrepreneurship in Patrician •5% of Graduate students will choose Entrepreneurship as career •10% of Student and Graduates Practice Entrepreneurship | Biannual Survey •Quarterly News Letter |
| Outcomes | <ul style="list-style-type: none"> 25%of student & faculty mass with entrepreneurship Orientation •25% of Student & faculty motivated to start any entrepreneurial activity. •1 of IPR/Innovations developed for commercialization. •1 of Student/Early-Stage Start-ups formed •15% of In-house Expert Capacity available for Advisory Services •15%of Satisfaction over Advisory services offered to Innovators &Early-Stage Entrepreneurs •Network Established with connecting multiple stakeholders& Ecosystem Enablers | •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, Classroom, Experiential Learning programs etc. •10% of Student projects turns to (commercialize)Innovations. •2-3 IPR registration to be done. • 25%of in-house trained 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. | Biannual Survey •Monthly progress report |
| | <ul style="list-style-type: none"> 2 Education/Skill certification program on Entrepreneurship IIPR, Innovation etc •2 of workshops, awareness, market outreach events, orientation, •2 of networking eventt (Intra and Inter-institutional, enablers, stakeholders) organized •2 of skill and competency development training programs/FDPs/EDPs organized •3 of research studies related to Entrepreneurship conducted | Biannual Survey •Monthly progress report • Review report |

| | | |
|--|--|--|
| | <ul style="list-style-type: none"> •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 | |
|--|--|--|

Tentative plan for the next 5 years:

| S.No | Activity | Frequency |
|------|---|-------------|
| 1 | One Day Workshop on "Entrepreneurship and Innovation as Career Opportunity" | Yearly |
| 2 | One Day Workshop on Problem Solving/Design Thinking/Ideation Workshop/ Campus Hackathon etc. | Half yearly |
| 3 | Field/Exposure Visit to Village/Society /School/Industry/Market – Identity real Life Problem | Yearly |
| 4 | Special Talk on My Story - Entrepreneur's Life & Crossroad – Motivational Speak - To be Share by Entrepreneurs | Yearly |
| 5 | Product Development Phases - Story Telling - (Innovators in Campus) | Yearly |
| 6 | National Conference on Start-up/Social Innovation & Entrepreneurship | Yearly |
| 7 | Demo Day – Exhibition Cum Demo for PoCs& Mentorship Session for Innovators (or) Student Entrepreneurs | Yearly |
| 8 | Internship at Innovation & Start-up Centre / Start-ups/Incubation during Semester Break (Duration may vary from minimum 15day | Yearly |
| 9 | Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre | Yearly |
| 10 | Business Plan Contest | Yearly |
| 11 | Workshop on Business Model Canvas (BMC) and (or) Business Plan Competition to Invite Innovative Business Models from Student | Yearly |
| 12 | One day workshop on "How to plan for Start-up and legal and Ethical Steps | Yearly |
| 13 | Half day Interactive/online Session/Mentoring Session "Hangout with Successful Start-ups" (Entrepreneurs in Campus) | Yearly |
| 14 | One Day Awareness/Mentoring Session on IPR & IP Management for Innovation and Start-up | Yearly |
| 15 | Seminar on Accelerator/Incubation - Opportunity for Student Faculty - Early-Stage Entrepreneurs | Yearly |
| 16 | Seminar on Understanding Angel and Venture Capital Funding - What is there for Early-Stage Innovator & Entrepreneurs | Yearly |
| 17 | Bootcamp for Innovation product development | Yearly |
| 18 | Innovation Day Celebrations (Birthday of Dr.APJ) | Yearly |
| 19 | National Science Day | Yearly |
| 20 | Workshop Funding Opportunities for Innovation and Entrepreneurship Development | Yearly |
| 21 | Short Term Training course on Innovation /Start-up & Entrepreneurship | Yearly |
| 22 | Innovation and Entrepreneurship Annual Day | Yearly |

Policy and Governance

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1. Responsibilities

The ultimate decision-making authority in the determination of the permission to the Staff and Student led Start-up will be the Secretary and Director of the institution in consultation with the Academic Director and Principal . The NISP Policy Committee shall be the advisory body for any such decisions on Start up cost sharing, equity etc..

2. Entrepreneurship Development Cell (ED Cell):

The Institution has established an Entrepreneurship Development Cell (EDC) to assist the Institution in promotion of entrepreneurship and organising relevant activities. The Cell organises activities aligning to the activities proposed by the ED Hub Madras university EDII Tamandu plethora of activities are also self-driven ones which promotes the establishment and sustenance of the entrepreneurial spirit among the faculty and students.The activities of the cell are

- a. Outreach/awareness programmes to the students of the college as well as other institutions and schools
- b. Relationship management with potential entrepreneurs,
- c. Organising Skill development courses.
- d. Organising entrepreneurship promotion activities and events

3.Start up activities

The institution has signed a MoU with BYST and NEN for promotion of leadership and entrepreneurship skills among the students. The coordinator of the BYST and NEN shall organise programs that enable talent acquisition and capacity building for contribution towards nation building, entrepreneurial development and leadership training.

Institution will facilitate the start-up activities/ technology development by allowing students/ faculty/ staff to use institute infrastructure and facilities, as per the choice of the potential entrepreneur in the following manners:

- i. Short-term/ one -month/ three months part-time entrepreneurship training.
- ii. Mentorship support on regular basis by connects with start-ups, entrepreneurs, industries etc
- iii. Mentorship support on regular basis by connects with start-ups, entrepreneurs, industries etc.
- iv. As per the policy a total of 1% of the annual budget spent by the institution for various activities pertaining to academic/research/ infrastructure maintenance etc. shall be ear marked or promotion of Innovation and Entrepreneurship related activities either on case to case basis or through the Institution Innovation Council.
- v. Institute shall prefer recruiting staff who have a strong innovation and entrepreneurial/ industrial experience, behaviour and attitude for fostering the I&E culture

Start-up engagement. Students will be free to dedicate any time outside their regular academic hours and duties towards their companies. However, if deemed necessary, they may be allowed special leave towards start-up activities subject to approval from the respective department heads and under no circumstance they will be allowed to avail this leave during the time of their scheduled exams both Continuous Internal Assessments (CIA) and End Semester Examinations (ESE)

4 IPR Cell

To achieve better engagement of staff in innovation and IP activities, institution will have a Iseparate IPR policy is in existence with the objective to facilitate IPR filing by students and faculty members.

5.Incubation support

Setting up a start-up and allowing students, faculty and research staff to work part-time for the start-ups while studying / working.

- i. Creating facilities within the institution for supporting pre-incubation (e.g. IICs as per the guidelines by MHRD's Innovation Cell, EDC, IEDC, New-Gen IEDC, Innovation Cell, Start up Cell, Student Clubs, etc.) and Incubation/ acceleration by mobilizing resources from internal and external sources.
- ii. Provide business incubation facilities:
- iii. Premises at subsidised cost.
- iv. Laboratories,
- v. Research facilities,

- vi. Services,
- vii. Training and Mentoring Services, etc.
- viii. Licensing of IPR from institute to start up

7. Collaboration, Co-creation, Business Relationships and Knowledge Exchange

For all the activities relevant to the entrepreneurial agenda of the institute, participation and collaboration of industry partners, institutes of national importance, international institutions, social enterprises, schools, alumni, professional bodies and entrepreneurs will be encouraged. EDC and team will be Single Point of Contact (SPOC) in the institute for the students, faculty, collaborators, partners and other stakeholders.

6. Startups Enabling Institutional Infrastructure

Institute has already developed institutional infrastructure to enable startups and progressed in this direction from ED Cell establishment to its promotion into Incubation. As a part of developed infrastructure, a dedicated building with 5000 sq. ft. of operational area consisting of well-equipped cubicles for startup working, with all the facilities of co working space, prototyping, mentoring for IPR, marketing, business plan development, product development etc. is available in the campus.

The list of all the pre-incubation units in the campus i.e. hobby clubs, students' clubs working on various technologies, E-cell, advanced labs and design centers, centers of excellence and innovation center has been disseminated. A functional IIC is managing all the activities regarding innovation, entrepreneurship and startup related activities within the institute. A separate policy document has been created to offer mentoring and other relevant services through Pre-incubation/Incubation units for nominal charges or zero payment basis. The modalities regarding Equity Sharing in Startups supported through these units will depend upon the nature of services offered by these units and are elaborately explained in the policy document.

7. Entrepreneurial Impact Assessment

The various parameters to be considered for Entrepreneurial Impact Assessment are

- a. Satisfaction of the participants in micro degree certification program, workshops and training programs
- b. Participation in awareness programs
- c. Utilization of pre-incubation facilities by students
- d. Number of curriculum projects addressing real life problems
- e. Participation in various idea, PoC, Prototype, b-plan competitions and hackathons
- f. Participation in pitching for fund raising and grants/support from government and non-government agencies
- g. Contribution in industrial projects and consultancy projects
- h. Idea to PoC projects

- i. PoC to Prototype/MVP projects
- j. Product development and its launching in the market
- k. Fund raising
- l. Startup registrations and company incorporation
- m. Annual Turn over
- n. IPR application filing, grant and commercialization

The EDC team will be responsible for assigning appropriate weightages to the above parameters depending on the maturity of the process. A separate document regarding this will be made available by IIC and reviewed annually.

Approved
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 27/8/21

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