NPR COLLEGE OF ENGINEERING & TECHNOLOGY

Accredited by NAAC 'A' Grade with 3.25 CGPA! Recognized by UGC under 2(f)

NPR Nagar, Natham, Dindigul – 624401, Tamil Nadu, India.
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.
An ISO 9001: 2015 Certified Institution.
Phone No: 04544- 246 500, 246 501, 246 502.
Website: www.nprcolleges.org , www.nprcet.org.
Email: nprcetprincipal@nprcolleges.org

NATIONAL INNOVATION AND START-UP POLICY

(NISP)

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PREAMBLE

In November 2016, All India Council of Technical Education (AICTE) released a Startup Policy document for AICTE approved institutions, to address the need of inculcation of innovation and entrepreneurial culture in higher education institutions (HEIs). The policy primarily focused on guiding the AICTE approved institutions in implementing 'Startup Action Plan' of Government of India. Subsequent to release of the Startup policy by AICTE and further interaction & feedback received from education institutions, a need was felt for a more elaborate and comprehensive policy guiding document, which could be applicable for all the HEIs in India. This leads to the 'National Innovation and Startup Policy (NISP)'.

In context to the NISP, membered committee was constituted in NPR College of Engineering & Technology (NPRCET) to formulate detailed guidelines for various aspects related to innovation, Startup and entrepreneurship management. This committee deliberated on various facets for nurturing the innovation and Startup culture in NPRCET, which covered Intellectual Property ownership, revenue sharing mechanisms, norms for technology transfer and commercialization, equity sharing, etc.

Expert Committee for NPRCET Innovation and Startup Policy (NISP)

The following members are nominated for the NPRCET Innovation Startup Policy
Development Committee Based on National Innovation and Startup Policy (NISP) Guidelines.

S. No.	Members Details	Role
1.	Mr. M. Sivakumar, Chief Administrative Officer	Member nominated by Trust
2.	Dr. J. Sundararajan Principal & IIC President, NPRCET, Natham	Convener
3.	Mr. K. Aruna Senthil Kumar IQAC Coordinator, NPRCET, Natham.	Co- Convener
4.	Mr. S. Sathyamoorthi, IIC Convener, NPRCET, Natham.	NISP Coordinator
5.	Dr. S. Ponmalar, Professor & Head- ECE, NPRCET, Natham.	Member
6.	Dr. A. Hemalatha, Professor & Head – Civil NPRCET, Natham.	Member
7.	Dr. P. Kanirajan, Professor & Head – EEE, NPRCET, Natham.	Member
8.	Dr. M. Bhaskar, Professor, Department of Electronics and Communication Engineering, National Institute of Technology-Trichy	Academic expert
9.	Dr. C. Chirstober Asir Rajan , Professor, Department of Electronics and Communication Engineering, Pudhucherry Technological University, Pudhucherry	Academic expert

NATIONAL INNOVATION AND START-UP POLICY

About Us

NPR College of Engineering & Technology has joined the campaign on implementing National Innovation and Startup Policy (NISP) under the aegis of the Ministry of Education Innovation Cell (MIC) and adopted the policy framed which aims at promoting innovation and startup culture among the students and faculty of Higher Education Institutions.

Vision:

To develop robust startup and entrepreneurial ecosystems to facilitate innovation and research culture.

Mission:

1. To orient the educational infrastructure towards startup activities
2. To motivate and support students to opt startups and entrepreneurship as a career plan
3. To provide the mechanisms of startups through training, capacity building, networking and knowledge-based support services
4. To actively engage Alumni network for startups and promotion
5. To provide guidelines to stakeholders to manage IPR ownership, technology licensing and equity sharing in startups established by faculty and students

Short Term Goal:

1. To inculcate the importance of Innovation and Entrepreneurship through Seminars, Guest Lectures and Workshops in the institution
2. To motivate and facilitate the aspiring students to learn and practice innovations through projects

Long Term Goal:

1. To develop entrepreneurship culture in regional, social and community level
2. To facilitate Alumni of the institution as well as outsiders through startup ecosystems
3. To facilitate innovative startups through incubation center in the identified core areas of Engineering and Technology.
4. To facilitate registering patent for the prototypes developed.

Objectives:

1. To adopt and develop entrepreneurial culture in the institution
2. To prepare students to create new business ideas
3. To provide training for aspiring students to acquire necessary skills to and facilitate business knowledge.
4. To build the endurance to establish startups.
5. To help students realize the ecological changes and opportunities in business environment.
6. To practice effective IP Management.

1.NISP Implementation Expert Committee

Sr. No.	Name of Member	Member Type	Key Role/ Position assigned in IIC
1.	Dr. J. Sundararajan, Principal	Teaching	President
2.	Dr. A. Hemalatha, Prof. & Head – Civil Engg.	Teaching	Vice President
3.	Mr. K. Aruna Senthil Kumar Assistant Professor – Mech. Engg.	Teaching	IQAC Coordinator
4.	Mr. S. Sathyamoorthi, Assistant Professor - EEE	Teaching	Convener -IIC NISP Coordinator
5.	Dr. S. Ponmalar, Professor & Head - ECE.	Teaching	Innovation Activity Coordinator
6.	Dr. T. Priya Professor & Head – S & H	Teaching	NIRF Coordinator
7.	Dr. B. Velmurugan, Prof. & Head - MBA	Teaching	Start-up Activity Coordinator
8.	Mrs. C. Kalpana, Assistant Professor - CSE	Teaching	Social Media Coordinator
9.	Dr. S. Ameena Banu, Professor – ECE	Teaching	IPR Activity Coordinator

2. Policy Problem or Thrust Area

S. No	Plan
1.	NPRCET Strategies & Governance for Stimulating Innovation & Entrepreneurship
2.	Creating Innovation Pipeline and Pathways for Entrepreneurs
3.	Building Organizational Capacity, Human Resources and Incentives
4.	Collaboration, Co-creation, Business Relationship and Knowledge Exchange
5.	Norms for Student Driven Innovations and Start-ups
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 NPRCET
10.	Pedagogy & Learning Interventions for supporting Innovations & Start-ups
11.	Entrepreneurial Performance Impact Assessment

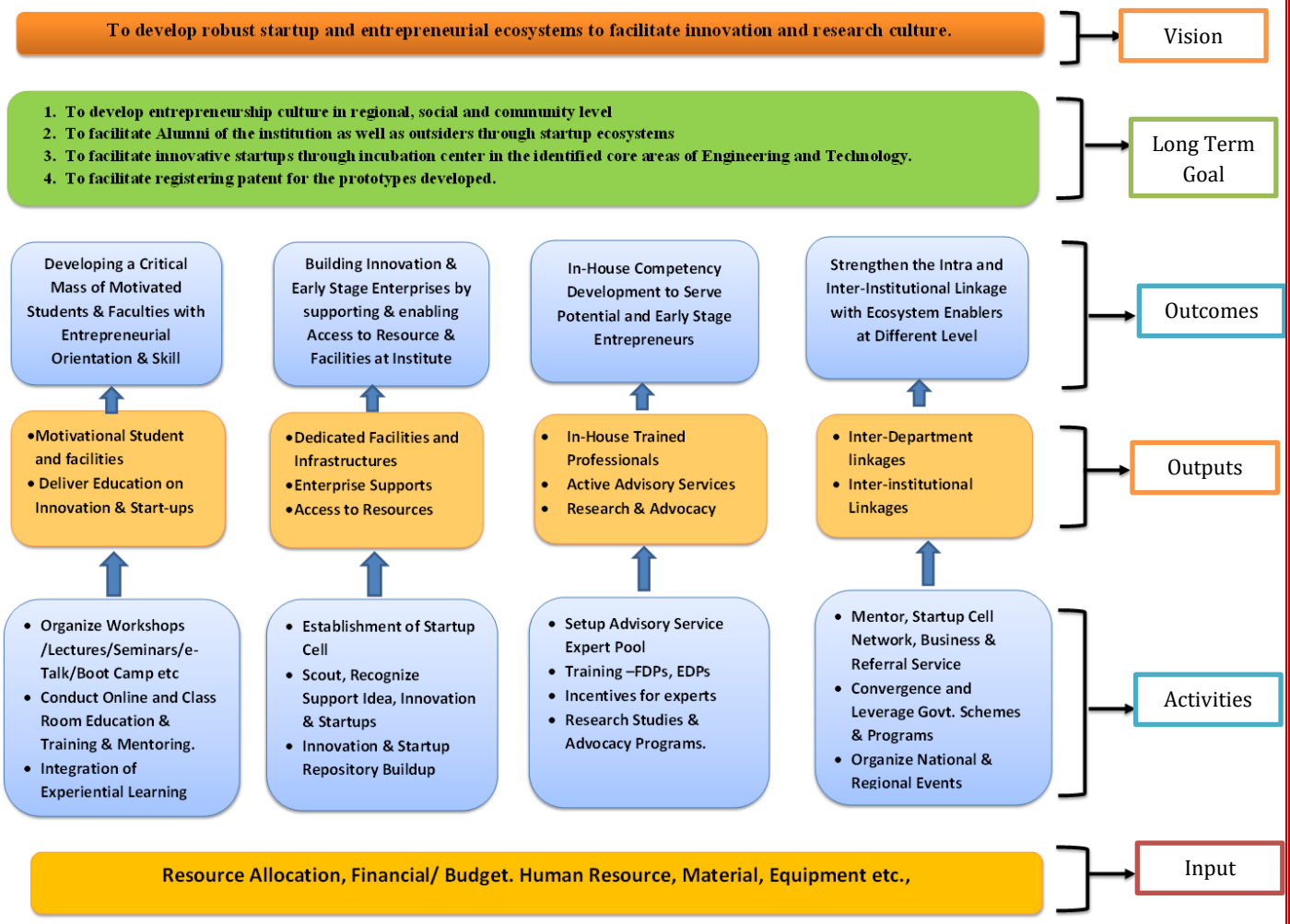
3.Benchmark – KPI Monitor and Evaluation

Hierarchy of Objectives	Key Performance Indicators (KPIs)	Means and Verification
Vision	• Increasing Innovation, IPR and Entrepreneurs in our NPRCET. • Establishing Start-ups in our NPRCET.	ARIIA, NIRF Rankings
Goal/Impact	• Using available Infrastructure in Institution contributing to develop and support for innovation & Entrepreneurship in NPRCET. • Graduate students taking career in Entrepreneurship. • Student and Graduates Practice Entrepreneurship	Biannual Survey, ARIIA, NIRF Rankings
Outcomes	• Student & Faculty focusing Entrepreneurship skills through training programme. • Student & Faculty motivated to start any entrepreneurial activity through funding agencies. • Commercialization of IPR/Innovations development in NPRCET. • Students & Faculty collaborate in Start-ups	Biannual Survey, News Letter / Magazines
Outputs	• Students educated with awareness/orientation programme • Students educated entrepreneurship skills through add on course/ Value added course. • Students & Faculty register / Filling IPR based product/projects. • Identification of Innovators, Entrepreneurs in the form of Students & Faculty • Expertise in all departments in the institution relating to Innovation, Entrepreneurship programme.	Biannual Survey, News Letter / Magazines
Activities	• Entrepreneurship programme conduct with stakeholders, students & faculty at Institution level. • Workshops, Seminars, Awareness and Orientation of skill development training programme. • Organizing Hackathon in the Institution	Biannual Survey, News Letter / Magazines

4. TENTATIVE PLAN FOR THE NEXT 5 YEARS

S. NO	Activity	Frequency
1.	Workshop/Seminar on "Entrepreneurship, IPR and Innovation"	1/Year
2.	Workshop on Problem Solving/Design Thinking/Ideation Workshop/ Campus Hackathon etc.,	1/Year
3.	Motivational Session by Successful Innovator/IPR/ Entrepreneur/Startup founder	1/Year
4.	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre/Village/Society /School/Industry/ Market – Distinctiveness real Life Problem	1/Year
5.	Project Expo for Innovators across all department in NPRCET.	1/Year
6.	Internship at Innovation & Start-up Centre/Start-ups/Incubation Unit etc. during Semester Break	1/Year
7.	One Day Awareness/Mentoring Session on IPR & IP Management for Innovation and Start-ups	1/Year
8.	Innovation Day Celebrations (Birthday of Dr.APJ)	1/Year
9.	National Science Day	1/Year
10.	Workshop Funding Opportunities for Innovation and Entrepreneurship Development	1/Year
11.	NPRCET Hackathon (Software & Hardware)	1/Year
12.	India Startup /National Innovation / National Education Day	2/Year
13.	National Energy Conservation (India)/ National Pollution Control /National Science Day	2/Year
14.	World Earth/World Intellectual Property/National Technology Day	2/Year
15.	World Environment Day/World Entrepreneurs Day	2/Year

5. Program Implementation- Using Problem Tree and Policy Logical Tools



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