

Institute Innovation Council
National Fire Service College

Guideline Document

(In-line with National Innovation and Start-up Policy-2019)



National Fire Service College
Nagpur

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Chapter – 1 Introduction

The Ministry of Human Resource Development in 2019, released the National Innovation and Startup Policy 2019 for students and faculty of Higher Education Institutions (HEIs). The Policy is in line with the focus of the Central Government on entrepreneurial projects. The framework was created to enable the institutes to actively engage students, faculty, and staff in innovation and entrepreneurship-related activities. The Guidelines on National Innovation & Startup policy 2019 were published to provide the required direction and support in handling Innovation Startup and Intellectual Property rights-related issues.

The framework is designed to facilitate the Ministry of Human Resource Development in bringing uniformity across HEIs in terms of Intellectual Property ownership management, technology licensing, and institutional Startup policy, thus enabling the creation of robust innovation and Startup ecosystem across all HEIs.

Innovation and Entrepreneurship must emerge as one of the focal points of today's education system with a focus on the creation of economic hubs so that the nation aspires to become a five trillion-dollar economy in the near future. To achieve this milestone, systems and mechanisms must evolve to convert the present demographic dividends into high-quality technical human resources, which could eventually create wealth generation hubs through Startups and entrepreneurship.

Chapter – 2 Institute's Innovation Council, NFSC Nagpur

1. Staff Representation		
S. No.	Position	Name & Designation
1.1	President	Dr. Goutam Kumar Nadakuditi, Asst. Prof.
1.2	Vice President	Dr. Dhananjay Krmar Singh, Asst. Prof
1.3	Convener	N. Anavindan, Asst. Prof
1.4	IPR Activity Coordinator	Dr. Goutam Kumar Nadakuditi, Asst. Prof
1.5	Innovation Activity, ARIIA Coordinator	Gagan Upadhyay, Asst. Director
1.6	Start-up Activity Coordinator	Parshant Kumar, Asst. Director
1.7	Internship Activity Coordinator	Dharmendra Pal, Asst. Director
1.8	Social Media Coordinator	Vaishali Singh, Asst. Director
1.9	Member	Ram Avatar, Lab. Assistant Gr-I
1.10	Member	Rakesh Jakhar, Lab. Assistant
1.11	Member	Satyajit Pal, Lab. Assistant

2. Expert Representation		
Sl. No.	Position	Name & Designation
1.	IP Expert	Dr. G.K. Awari, HOD, Automobile Engg. Government Polytechnic, Nagpur
2.	Patent Expert	Dr. Pankaj Borkar, Dy. Controller of Patents, RGNIPM
3.	Incubation Centre	Dr. Abhay Deshmukh, INCUBEIN Foundation, RTMNU Incubation Center

3. Student Representation		
Sl. No.	Position	Name & Designation
1.	Innovation Coordinator	Krushna Vilas Talmale
2.	Start-up Coordinator	Saket Hiralal Nandeshwar
3.	Social Media Coordinator	Aman
4.	IPR Coordinator	Ashwarya Chaukikar
5.	Member	Rupal Rewatkar
6.	Internship Coordinator	Anurag Singh

Note: Ex-officio Positions will be updated directly on the IIC portal immediately after Institution's Office Order. IIC Composition will be released only twice in the year from the IIC's President Office, Director, NFSC, Nagpur

Chapter – 3 Objective

The objective of the IIC at NFSC, Nagpur is to:

- Meet once in a quarter to formalize the discussion and keep action points for activities in the coming quarter and regularly update it.
- Identification of the best of ideas and providing them a 'womb' to incubate eventually to transform into a Startup or entrepreneur endeavor.
- Soliciting an entrepreneur through the application of knowledge and expertise – academic as well as industrial.
- Empowering an idea with all important ingredients and resources aiding its conversion into a successful product or service.
- Helping entrepreneurs to grow holistically with business acumen.
- Bring socio-economic change in the country by finding innovative solutions to the daily met problems.

Chapter – 4 Functions of IIC

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in a time-bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by the institution's faculty and students.
- Organize Hackathons, idea competitions, mini-challenges, etc. with the involvement of industries.

Chapter – 5 Roles & Responsibility of IIC-NFSC

The roles and responsibility of different members of IIC at NFSC Nagpur is defined as under:

1. Staff Representation:

President:

- The President will constitute the IIC council and appoint its members.
- The President will constitute the IIC council and appoint its members. He/She is responsible for ensuring that Quarterly Council Meeting is planned effectively.
- Conduct Council Meeting in accordance with prescribed rules and that matters are dealt with in an orderly, efficient manner.
- He/ She will lead the IIC Council.
- He/ She will have the IIC portal Login ID and will be the custodian of IIC portal login and data/ reports uploaded therein.
- He/ She will call the meetings, set meeting agenda and will monitor the deliverable.
- He/ She will be the main point of contact with MHRD Innovation Cell.
- He/ She will respond to all communication from IIC National Coordination team (MHRD Innovation Cell) and will be responsible to ensure decent performance of IIC.
- He/ She will coordinate with MHRD innovation cell and responsible for all the IIC activities in the institute.
- He/ She will ensure Institution's participation in IIC calendar activity and take lead in the institution driven activities (own initiatives).
- He/ She will ensure the effective implementation of IIC activities with the help of Convener.
- He could change the council members as per the decision taken in council meetings and update the information on portal.
- He/ She will be responsible for submitting the monthly progress/activity reports on the IIC portal.

Vice President:

- It is an Honorary post for a senior expert representative from Industry/Ecosystem enablers. He/She can be from faculty representative as well in case no experts are available.

Convener:

- The Convener will work in close coordination with IIC president and will provide help wherever required for smooth conduction of activities.

- He/ She will ensure the participation in the meeting and will prepare the meeting agenda at least 10 days prior to meeting with the inputs from all valuable council members and President.
- He/ She will ensure that the internal examination dates would not interfere with the IIC activities and coordinate with all departments to ensure the same.
- He/ She will collect the inputs from all the members of the council at regular interval, especially external members for better planning of IIC activities and effective delivery of results.

Innovation Activity Coordinator:

- Will work to promote innovation related activities on campus or as mandated in IIC council meeting.

Start-up Activity Coordinator:

- Will work to boost startup generation among students and related activities or as mandated in IIC council meeting.

Internship Coordinator:

- Will work to arrange student internships in startups, so to expose them with startup ecosystem in India, real-life challenges in startup and their success stories or as mandated in IIC council meeting.

IPR Coordinator:

- To promote awareness about IPRs and conduct related activities on campus or as mandated in IIC council meeting.

ARIIA Coordinator: Coordinate for ARIIA related activities.

NIRF Coordinator: Coordinate for NIRF related activities.

Social Media Coordinator:

- Will create and manage IIC page/account on Facebook, Twitter and YouTube and other relevant social media platforms. He / She will be responsible for posting all the relevant information about council meeting resolution and action plan, IIC activities and

follow/tag MIC/IIC page and posts on these platforms. He/ She will also ensure that all students follow MIC/IIC page/account on social media to get first-hand information.

2. Expert Representation:

IP Expert/Patent Expert:

- Patent expert could be any registered patent agent/lawyer or the subject matter expert/faculty who have sufficient years of experience in the IPR domain.
- He/ She would suggest points related to patent and technology transfer in the council meeting.
- He/ She would also play a key role in the IPR workshops scheduled in the IIC calendar within that institute.

Start/Alumni Entrepreneur:

- Alumni network of any institution is the most valuable resource of any Institution. The role of alumni entrepreneur is to guide not only the council in the matters of startup ecosystem but to also guide the students of the institution. He/ She can share his success story as an entrepreneur/innovator.

Expert from nearby Industry/ Industry association/ Ecosystem Enablers:

- He/ She will attend the council meeting on regular basis (quarterly).
- Technical Expert would play the role of mentor/guide to the institute students.
- He/ She will help in organizing institute level idea Competition/Hackathon by suggesting suitable problem statements or theme.
- He/ She will give his inputs in council meetings about the latest trends in technologies and feasibility of the idea/point discussed.

FI/Bank Investor/Angle Investor/VC:

- He/ She will attend the council meeting on regular basis (quarterly).
- His/ Her role is to give information about loan schemes, grant and investments regarding startup and entrepreneurship.
- He/ She will also arrange meetings with investors/sponsor for the events organized by the institute based on the IIC calendar/guidelines.

Incubation Centre:

- He/ She will attend the general council meeting on regular basis (quarterly).
- He/ She will help the IIC in conducting idea workshops/ competition/Hackathon/ boot camps etc.
- He/ She will also help the IIC in identifying ideas from IIC events and provide mentoring, incubation guidance and business network support.

3. Student Representation:

- Student coordinators will act as a medium of communication between IIC and institute students. He/ She will understand the concept, idea and method of participation in IIC activities and disseminate it to all the students. He/ She will act as a volunteer for IIC programs and will support respective faculty coordinators.