IIC Introduction

About IIC

Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation among all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years.

MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs) across selected HEIs. A network of IICs are established to promote innovation and entrepreneurship in the Institution through multitudinous modes leading to an innovation promotion ecosystem in the campuses. MIC has established Institution's Innovation Council in more than 2200 Instiutions till November 2020.

Shri Ramesh Pokriyal 'Nishank' , Hon'ble Education Minister and Shri Sanjay Dhotre Minister of State for MoE, inaugurated IIC (2.0 version) on September 11, 2019.
[In frame] Shri R. Subrahmanyam, Secretary, Department of Higher Education ; Prof Anil D Sahasrabudhe, Chairman, AICTE; Prof D. P. Singh, Chairman, UGC; Dr. Abhay Jere, CIO, MoE's Innovation Cell; Dr. M.P. Poonia, Vice Chairman, AICTE (From Right to left).

Major Focus
- To create a vibrant local innovation ecosystem.
- Start-up supporting mechanism in HEIs.

- Prepare institute for Atal Ranking of institutions on innovation achievements framework.
- Establish function ecosystem for scouting ideas and pre-incubation of ideas.
- Develop better cognitive ability among students.

Function of IIC

- To conduct various Innovation, IPR and entrepreneurship-related activities prescribed by MIC in 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 institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries.
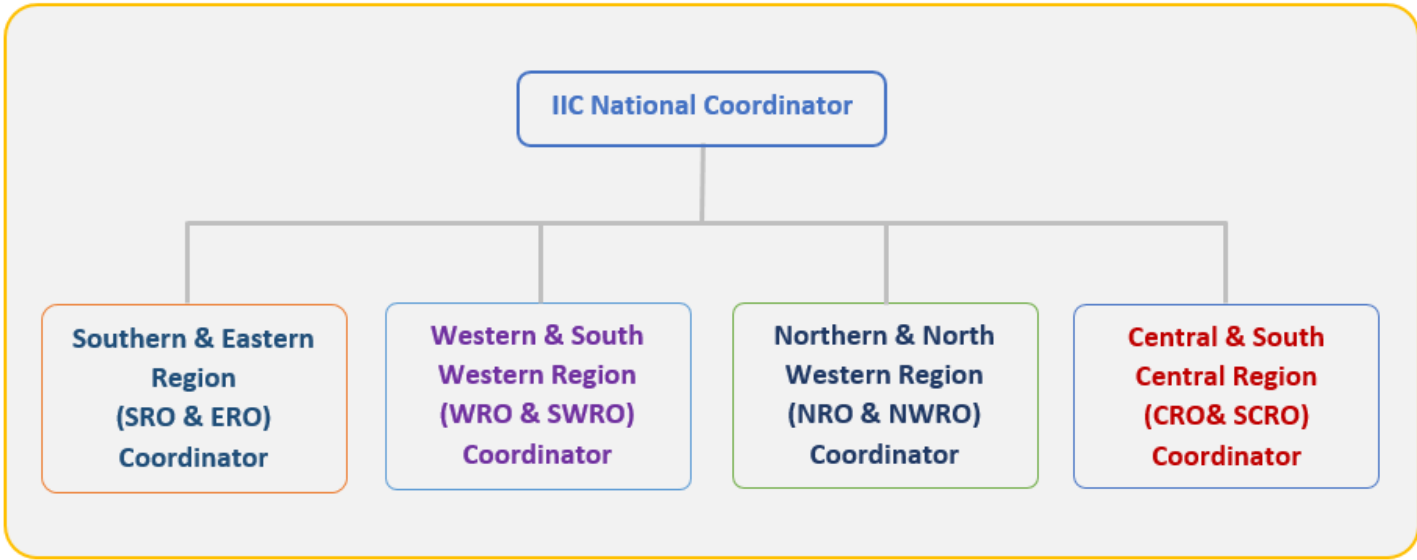
Who can apply for IIC

Any Institute willing to be part of IIC and having existing ecosystem to promote Innovation, Entrepreneurship and IPR.

Zonal Administrative Division of Institution's Innovation Council:

MIC team looks for overall program coordination, implementation and administration.

For ease of administration and monitoring IICs across country have been divided into Eight Zones.

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                        │  IIC National Coordinator │
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Southern & Eastern Region (SRO & ERO) Coordinator	Western & South Western Region (WRO & SWRO) Coordinator	Northern & North Western Region (NRO & NWRO) Coordinator	Central & South Central Region (CRO& SCRO) Coordinator

IIC 2020-2021 (IIC 3.0)

About IIC 3.0

IICs is a faculty-experts-student council which takes on multiple activities to promote Innovation and Entrepreneurship round the year. IIC's objective is to prepare the students with skills like critical thinking, Design Thinking, Innovative thought process and Entrepreneurial mindset.

IIC 3.0 is an upgraded version of IIC 1.0 & 2.0. Many features regarding monitoring & submission of reports, assessment criteria, star scheme, type of activities etc. have been added on IIC portal. IIC 3.0 is more comprehensive and will be able to establish a strong ecosystem of innovation, IPR and entrepreneurship in HEIs.

Features:

- Semester Based Approach for Preparing and Advising Annual Calendar Plan for IICs.
- Learning Modules for the Activities scheduled as part of IIC Annual Calendar.
- Self Driven and MIC Driven Activities and Differential weightage/ scoring system for each type of activity category.
- Report submission and evaluation by MIC on Quarterly Basis.
- Introduction of New Scoring Mechanism for Rating & Quarterly Rating System.

What's New

- Introduction of Semester Based Activities

- Advising Annual Calendar Plan for IICs.

- Prescribe Learning Modules for the activities along with the Annual Calendar Plan.

- Accommodate Self Driven and MIC Driven Activities .

- Based on IIC Calendar Plan(50%) Self Driven Activities conducted by IICs/Institute(30%) and MIC Driven Activities(20%).

- Capturing IICs Activities on Monthly Basis and Report Generation on Quarterly Basis.

- Introduction of New Scoring Mechanism - Incentive System.

Features

IIC is a unique initiative of MHRD Innovation Cell and is different from other existing models, It aims at streamlining and strengthening the Innovation and startup ecosystem in HEIs campuses in the following ways:

- **Breaking isolation and enhancing coherence and synergy** among departments, centers, units, student bodies at the institute. It derives experts and resources from different departments and ecosystem enablers from outside the institute in a planned manner to promote and support innovation and startup programs on campus. IIC being a faculty-expert-student council, also comprises of representatives from institute, industry, alumni, financial institutes, incubation unit and intend **to give guidance and directional support** to council and student team to achieve the desired result by **deriving support and expertise from member organizations and facilitating resource mobilization**.

- IIC ensures **to overcome seasonality nature of functioning of EDC and other centers and ensures round the year activities in the campus** to give exposure & multiple opportunities for students and faculties to take part and understand the importance of Innovation, inculcating entrepreneurship skill and mindset and encouraging taking startup as an alternative career option.

- To engage **key stakeholders (Student, Faculty, and Institute) effectively and developing healthy competition among IICs to carry out round the year activities** in synchronization with other similar bodies such as incubation units and pre-incubation centers –start-up cell and IEDC units, etc. IIC portal is built with monitoring, evaluation and reward system by capturing the efforts being carried out at IIC/institute level.

IIC 2.0 Features:
Based on our experience and suggestions from various IICs in IIC 1.0 following changes are being incorporated in IIC 2.0 **Bringing homogeneity and addressing the challenge of non-synchronization of academic calendar** in higher educational institutes spread across the country, because of non-homogenous academic timings many IICs either miss calendar activities or fail to conduct activities in time. To overcome this challenge, an annual calendar plan with more flexibility is being introduced as part of IIC2.0.

Therefore, **Introduction of a Semester based approach for preparing and advising annual calendar plan for IICs**. MIC recommends IICs to develop/adopt learning modules with suggestive pointers as learning objectives for the prescribed annual calendar activities. Learning module will bring more standardization and quality improvement in the activities delivered by IICs

Accommodating of activities related to innovation and entrepreneurship promotion being carried out by Institute in their campuses. Therefore, we are introducing new ways allocating scores and Star (*) to IICs by devising a differential weightage system based on the categorization of activities into three major types. IICs now have the option to undertake activities/events of their choice and based on their capabilities and resource availability. These categories are;

- **MIC Prescribed Annual Calendar Plan activities/Programs** – IICs have the option to select and organize a certain minimum number of activities in a quarter as prescribed in annual calendar plan from the pool of activities in the calendar. Institutes are encouraged to do a greater number of activities from calendar beyond the prescribed minimum. It is expected that institutes which are in the *emerging phase* of the innovation ecosystem- will follow the calendar plan vividly. IICs are now allowed to upload the reports for these activities in the portal and will be eligible to get a score on quarterly basis. Completing the minimum number of prescribed activities in the calendar can earn a maximum of 50% weightage.

- **Self-Directed Activities/Programs:** IICs are encouraged to plan their activities apart from IIC calendar for promoting entrepreneurship and innovation in their campuses. They may have collaborations with different agencies, departments, and Industries for organizing seminars, competitions, workshops, training sessions relevant to entrepreneurship and innovation.

- **MIC Directed Activities/Events:** MIC is going to launch and bring various programs for IICs from time to time to enhance the skill and mentoring capacity of IIC members on ideation, innovation, entrepreneurship, and startup.

Monthly Report Submission, Quarterly Score allocation, and report generation: IICs will have to submit the report of activities at the end of every month, the scores will be allotted to IICs quaterly.

Approach to Increase Portfolio of activities-IIC may adopt an approach of following "3C" principle in the process of devising short-term and quarterly action plan development.

- **Convergence:** Keeping in mind that, there are many programs/schemes already being implementation by various central govt and state govt. agencies as major ecosystem enabler focusing on higher educational institutes. IIC are advised to align the activities of various centers and departments within the institute and also to explore and adopt convergence approach to devise short term assignments to direct these programs and pass benefits to students and faculties of IIC-institute.

- **Collaboration:** IICs are also advised to devise new programs by collaborating with govt, non-govt, and private players where ultimate beneficiaries will be students and faculties of IIC-institute.

- **Connect/Refer:** This mode may be adopted to channelize the benefits of programs by various agencies. IIC can network with other IICs to carry out programs related to Innovation and entrepreneurship.

IIC council members- Roles & Responsibility

Constitution of IIC council & members roles and responsibility

1. Faculty Representation:

Faculty representation can be from teaching and non teaching staff. One faculty can have multiple roles in IIC council.

1.1. President –Faculty representative will be nominated by Head of the Institute.
1.1.1 View President
1.2. Convenor - Preferably Incubation in charge of institute or Faculty with Entrepreneurship Experience or Interest.
1.3. Innovation activity coordinator
1.4. Start-up activity coordinator
1.5. Internship coordinator
1.6. IPR activity coordinator
1.7. Social Media Coordinator
1.8. ARIIA Coordinator(optional)
1.9. NIRF coordinator(optional)
1.10. Members – No limit

2. Expert Representation: Members (Minimum 3 representative from following)

2.1. IP Expert/ Patent Expert
2.2. Startup / Alumni entrepreneur
2.3. Expert from nearby Industry/ Industry association/ Ecosystem Enablers
2.4. FI/Bank/Investor/Angel Investor/VC
2.5. Nearby Incubation Centre

3. Student Representation: will help Faculty coordinators to carry out various activities.

3.1. Innovation coordinator –Up to 10 Members
3.2. Startup coordinator –Up to 10 Members
3.3. Internship coordinator –Up to 10 Members

3.4. IPR coordinator –Up to 10 Members

3.5. Social Media coordinator –Up to 10 Members

3.6. General Members- No Limit

1.1. President: -

• 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 Convenor.

• 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.*

1.1.1 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.

1.2. Convenor: -

• The Convenor 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.

Faculty Member/Faculty representatives/ Non teaching staff: -
Following members will work in close coordination with President and Convener to develop a comprehensive ecosystem of innovation and synergy in efforts to boost entrepreneurship. They will work as per the responsibilities assigned in council meeting.

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

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

1.5. 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.

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

1.7. 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.

Format for IIC page name: "IIC *Institute Name*" e.g. IIC XYZ.

Accounts to follow: Like/Follow, share, subscribe and promote MIC accounts-

Facebook: https://www.facebook.com/mhrdInnovation (https://www.facebook.com/mhrdInnovation)

Twitter: https://twitter.com/mhrd_innovation (https://twitter.com/mhrd_innovation)

YouTube: https://www.youtube.com/mhrdinnovationcell (https://www.youtube.com/mhrdinnovationcell)

1.8. ARIIA Coordinator(Optional) - Coordinate for ARIIA related activities.

1.9. NIRF coordinator (Optional)- Coordinate for NIRF related activities.

1.10. Members – No limit

2.1. 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 with in that institute.

2.2. Startup / 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.

2.3. 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.

2.4. FI/Bank/Investor/Angel 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.

2.5. Expert from Nearby Incubation Center:

• He/ She will attend the general council meeting on regular basis (quarterly).

• He/ She will help the IIC in conducting idea workshops/ competition/ Hackathon/ bootcamps 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 Representative -

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.

- ## Special Invitee:

President can nominate any person as a special invitee in IIC council meetings. Special Invitee could be any eminent person in the field of academics/industry/research/innovation etc.

IIC Calendar 2020-21

MoE's Innovation Cell (MIC) prescribes an annual activity calendar for IICs. In each quarter Minimum prescribed activities out of scheduled activities are to be completed by an IIC to receive full score. Institutes are encouraged to do a greater number of activities from calendar beyond the prescribed minimum. It is expected that institutes which are in the *emerging phase* of the innovation ecosystem-will follow the calendar plan vividly.

Sl. No.	Activity	Mandatory/ Elective	Thrust Area
IIC Calendar Activities for Academic Year 2020-21			
Semester I			
Quarter 1			
1	IIC Council formation or upgradation (of existing council) at Institute level. Conduct first council meeting.	Mandatory	Inspiration, Motivation and Ideation
2	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Elective	
3	My Story - Motivational Session by Successful Innovators	Elective	
4	My Story - Motivational Session by Successful Entrepreneur/Startup founder.	Elective	
5	Session on Problem Solving and Ideation Workshop	Elective	
6	Exposure and field visit for problem identification	Elective	
7	Pitching workshop & linkage of innovators with Innovation Ambassadors.	Elective	
8	Panel Discussion on Atmanirbhar Bharat- Vocal for Local, Make In India for the world.	Elective	
9	Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship)	Mandatory	
Quarter 2			
1	IIC Council Meeting- Review of Q1 progress and Planning for Q2.	Mandatory	Validation and Concept Development
2	Session on Process of Innovation Development	Elective	
3	Workshop on Design Thinking, Critical thinking and Innovation Design	Elective	
4	Field/Exposure Visit to Fab lab, Makers Space, Design Centres, City clusters etc.	Elective	
5	Workshop on Entrepreneurship Development Phases	Elective	
6	Design Validation through various model of design validation (e.g. Double Diamond Approach)	Elective	
7	Session on identifying Intellectual Property component at the early stage of Innovation	Elective	
8	Idea/ PoC pitching & validation and Institute level PoC competition. Submission of Idea/PoC on IIC Portal	Mandatory	
9	Orientation session for all students & faculties of Institute by Innovation Ambassador	Elective	
10	Call for paper writing and research report on Innovation	Elective	
11	Orientation Session on National Innovation and Startup Policy (NISP)	Mandatory	
12	Semester Break : Internship at startup	Elective	
Semester II			
Quarter 3			
1	IIC Council Meeting- Review of Q2 progress and Planning of Q3.	Mandatory	Prototype, Design, Process
2	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre /Technology Transfer Centre/ Co-working spaces	Elective	
3	Workshop on Prototype /Process Design and Development - Prototyping	Elective	
4	Session/ Workshop on Business Model Canvas (BMC)	Elective	
5	Business Plan/Prototype Competition to Invite Innovative Business Models from Students	Elective	

6	Session on "How to plan for Start-up and legal & Ethical Steps"	Elective	Development for Business Model/ Process/ Services
7	Interactive Session/Mentoring Session with "Successful Start-up founders" (Entrepreneurs in Campus)	Elective	
8	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	Elective	
9	Mentorship Session for Innovators (or) Student Entrepreneurs through experts and (or) Innovation Ambassadors/Innovation Agent	Elective	
10	**Orientation session for all students & faculties of Institute by Innovation Ambassador(s).**	**Mandatory**	
Quarter 4			
1	IIC Council Meeting- Review of Q3 progress and Planning of Q4	Mandatory	Awareness about Startup and related Ecosystem
2	Session on Prototype Validation - Converting Prototype into a Startup	Elective	
3	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs	Elective	
4	Organise Session on "Lean Start-up & Minimum Viable Product/Business"- Boot Camp (or) Mentoring Session	Elective	
5	Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs	Elective	
6	Session on Building an Innovation / product fit for market	Elective	
7	Session/ Panel discussion with innovation and Startup Ecosystem Enablers from the region /state/national level	Elective	
8	Orientation session for all students & faculties of Institute by Innovation Ambassador	Elective	
9	Semester Break : Internship at startup.	Elective	

Note:	
A	To score maximum marks/star in a particular quarter, it is necessary to complete atleast 3 elective activities along with the mandatory activities from **IIC calendar Activities**.
B	The report shall be submiited within 10 days after a particular quarter gets over.
C	Detailed guidelines about each activities **https://iic.mic.gov.in/iic202021-calender**.
D	All MIC Driven Activities are mandatory and will be announced by MIC from time to time on IIC website under **MIC driven category**.
E	To score maximum marks/star in a particular quarter, it is necessary to complete atleast 3 activities under **Self Driven Category**.