

IIC National Innovation Contest 2020
Institution's Innovation Council (IIC), MHRD's Innovation Cell
All India Council for Technical Education, New Delhi
Guideline and Evaluation Criteria Sheet for Idea Submission

Idea Title:			
Team Leader Name:		Email:	
		Contact no:	
Idea Type: <i>(can select multiple)</i> <input type="checkbox"/> Introduction of new or improved services <input type="checkbox"/> Introduction of new method of production/ process <input type="checkbox"/> Opening of new market <input type="checkbox"/> Exploration of a new source & supply <input type="checkbox"/> Reengineering/ organization of business management process.		Theme Name <i>(Annexure 1):</i>	
Sl. No.	Parameters	Total Marks	Marks Obtained
1.	Relevance of Problem & Solution	15 Marks	
	(a) Whether the identified problem really exists in Society/Market/ Industry ?	<i>10 Marks</i>	
	(b) "How big is the problem"? <i>(Low, Moderate, High)</i>	<i>5 Marks</i>	
2.	Feasibility of solution (SMART) <i>(Check the appropriateness of the proposed solution)</i>	25 Marks	
	(a) Specific- How specifically the proposed solution resolves the identified problem.	<i>5 Marks</i>	
	(b) Measurable- Whether the proposed solution is measurable and step wise approach towards innovation is followed	<i>5 Marks</i>	
	(c) Attainable- Clarity of team. Is the team competent enough to develop the solution and achieve its objectives?	<i>5 Marks</i>	
	(d) Realistic- Given the resources available, how realistic is the team's approach to achieve the solution in time bound manner?	<i>5 Marks</i>	
	(e) Timeline- How confident is the team with the proposed solution & timeline to complete the prototype (TRL 2 or TRL 3 in 2-3 months) <i>(refer Annexure 1)</i>	<i>5 Marks</i>	
3.	Applicability of Solution	10 Marks	
	(a) Usability: Level of acceptance of Solution/Features among target group	<i>2.5 Marks</i>	
	(b) Scalability: Adoption Potential of Solution as Business Model/Startup	<i>2.5 Marks</i>	
	(c) Economic Sustainability: Potential of solution to Become profitable or financially viable	<i>2.5 Marks</i>	
	(d) Environment Sustainability: Potential of solution to become environment friendly or address environment problems	<i>2.5 Marks</i>	
	(e) Existence of Intellectual Property Component, if any?	<i>2.5 Marks</i>	
Total		50 Marks	

Note:

- IICs need to disseminate and encourage students to take part in idea submission. Encourage the ideas taken from the real life problem encountered by students during their visits to Society, market industry etc.
- Problems from SIH, internal Hackathons and other campus hackathons can be considered.
- Idea may be technical and (or) non-technical.
- IIC Institute need to organize an ideation workshop for participants and evaluate the ideas received.
- **No limit on submission of number of ideas and team size.** Gender balance is encouraged.
- All ideas need to be carefully evaluated by the evaluation committee setup for the purpose. Evaluation committee may have external experts and (or) member's representation from incubation and startup.
- Above evaluation criteria can be used for the evaluation purpose of ideas received from students. Ideas, which receive minimum score of 25, should be considered for next level (PoC level).
- The details of ideas received need to be uploaded on IIC portal under **MIC Driven activities** (activities are scheduled under **ACTIVITY tab** in IIC homepage).

Annexure 1

Please make familiar about Technology Readiness Levels (TRLs) among students and faculties

Themes:

1. Healthcare & Biomedical devices.
2. Agriculture & Rural Development.
3. Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology.
4. Food Processing.
5. Robotics and Drones.
6. Waste management.
7. Clean & Potable water.
8. Renewable and affordable Energy.
9. IoT based technologies (e.g. Security & Surveillance systems etc.)
10. ICT, cyber physical systems, Block chain, Cognitive computing, Cloud computing, AI & ML.

Stages of TRL (Technology Readiness Level):

- TRL 0 : Idea.** Unproven concept, no testing has been performed.
- TRL 1 : Basic research.** Principles postulated observed but no experimental proof available.
- TRL 2 : Technology formulation.** Concept and application have been formulated.
- TRL 3 : Applied research.** First laboratory tests completed; proof of concept.
- TRL 4 : Small scale prototype** built in a laboratory environment ("ugly" prototype).
- TRL 5 : Large scale prototype** tested in intended environment.
- TRL 6 : Prototype system** tested in intended environment close to expected performance.
- TRL 7 : Demonstration system** operating in operational environment at pre-commercial scale.
- TRL 8 : First of a kind commercial system.** Manufacturing issues solved.
- TRL 9 : Full commercial application,** technology available for consumers.

For any Query, contact respective IIC Zonal Coordinators: <https://mic.gov.in/mic/innovation-council/implementation-team/>

Contact: 011-2958-1239 /1223/1241/1513 Email: iic.mhrd@aicte-india.org

IIC National Innovation Contest 2020

IIC- MHRD's Innovation Cell is pleased to announce 2nd edition of **IIC National Innovation Contest 2020** for all IIC Institutes. Drawing from the success and learnings of National Proof of Concept contest (POC contest -2019) & regional mentoring sessions 2019, National Innovation Contest 2020 is promulgated with improved process and features.

Second edition of National Innovation Contest 2020 is being announced in the month of February 2020, so that IICs and students will get enough time to go through the complete **360-degree process** of learning which starts with exposure to real life environment, problem identification, Ideation & solution development, **Proof of concept development & validation, Prototype/Innovation development** and finally **nomination of best of best student innovations from IICs in the National IIC portal**. Like last year, this year too we will organise a series of **regional mentoring sessions** and national level bootcamp for the nominated innovator students.

Please find the attached timeline and benefits of contest.

The IIC-National Innovation Contest 2020 aims at identifying creative minds, engaging them in building innovations, nurturing them through series of mentoring sessions and bootcamps. Innovation Contest is a 360-degree approach to complete a cycle of Innovation and entrepreneurship through a process of problem identification, ideation and enterprise building in a time period of Half- One year.

The Innovation contest is also integrated and synchronized with IIC calendar activities. **The IICs who have completed the activities given in Contest cycle/ timeline during previous quarters as part of IIC calendar could skip them. Institute who have missed these activities can reschedule them as **SELF-DRIVEN** activities and could complete in duration of Innovation Contest.** Please ensure that, student team should go through all the above learning steps before IICs nominate their POCs on National IIC portal. IIC Innovation Ambassadors, who have received training through Innovation Ambassador Training Program, should guide and mentor students/Innovators to shape their innovative ideas.

Team Size:

There is no limit on team size, but maximum two members will get the chance to attend the regional mentoring sessions, which will be conducted during the month of June-July 2020 at regional level.

Themes:

IIC Institutes should scout student innovation on the following themes-

1. Healthcare & Biomedical devices.
2. Agriculture & Rural Development.
3. Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology.
4. Food Processing.
5. Robotics and Drones.
6. Waste management.
7. Clean & Potable water.
8. Renewable and affordable Energy.
9. IoT based technologies (e.g. Security & Surveillance systems etc.)
10. ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML.

What needs to be uploaded on IIC Portal:

1. **Idea nominations-** IICs will have to submit details of ideas received from students.
2. **POC nomination-** IICs will have to submit details of best shortlisted proof of concepts (PoC) after first level of screening at Institute level.
3. **Prototype nominations-** IICs will have to submit details of best shortlisted prototypes for regional level mentoring and pitching sessions.

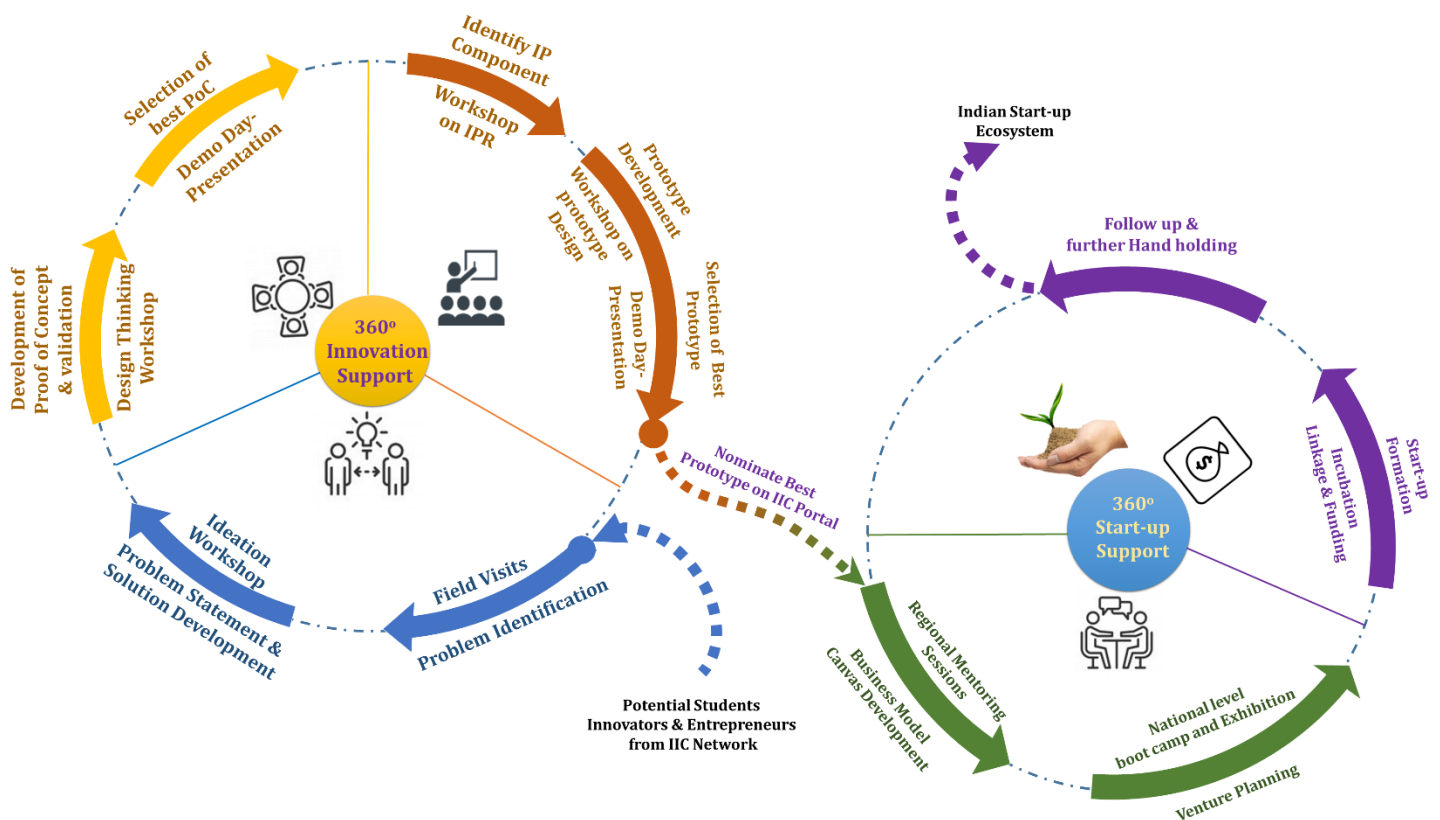
Above activities will be scheduled as **MIC Driven Activities** and IICs will have to upload data as required.

IIC POC Contest 2019 (IIC 1.0):

Last year (during IIC1.0) we have received more than 1650 numbers of PoC nominations from 700 IICs and more than 2500 enthusiastic student innovators/entrepreneurs took part in regional mentoring sessions organised in 14 different locations across India during the period from July-Aug 2019. Further, 102 teams were shortlisted for national level bootcamp and exhibition and more than 250 student entrepreneurs/innovators have gone through 2 days attentive bootcamp on Startup and Business modeling at AICTE HQ, New Delhi. These innovators exhibited their innovations on the occasion of Annual Innovation Festivals of MHRD's Innovation Cell on 11th Sept 2019 and finally 24 teams were declared as FINALISTS. From these, a 5-member team received international Startup ecosystem exposure tour cum training at CCEI Daegu, South Korea from 30th Oct - 5th Nov 2019 and a 5-member female entrepreneur team went through 2 week long Canada India International Acceleration program (CIAP 2020) at Carleton University, Ottawa, Canada from 19th Jan 2020.

AICTE and MHRD's Innovation Cell would also like to provide further support in terms of Technology Business incubation linkage with funding support upto Rs. 10 Lakhs per team for next financial year (on an avg. funding in tune with 3-6 lakhs per team after evaluation of proposals) to pursue an entrepreneurship career.

IIC National Innovation Contest 360- degree Cycle:



IIC National Innovation Contest Benefits:

IIC National Innovation Contest is a National level competition for students from IICs to help and guide them to convert their idea into startup.

Contest promotes students to identify local level problems through Field Visits.

Contest inculcates entrepreneurial mindset among students through workshops on IPR, Design thinking, POC & Prototype development.

MHRD's Innovation Cell & AICTE will organizes orientation and prototype mentoring sessions for students at regional level free of cost.

Attendees of mentoring and orientation sessions will become IIC Innovation Ambassador

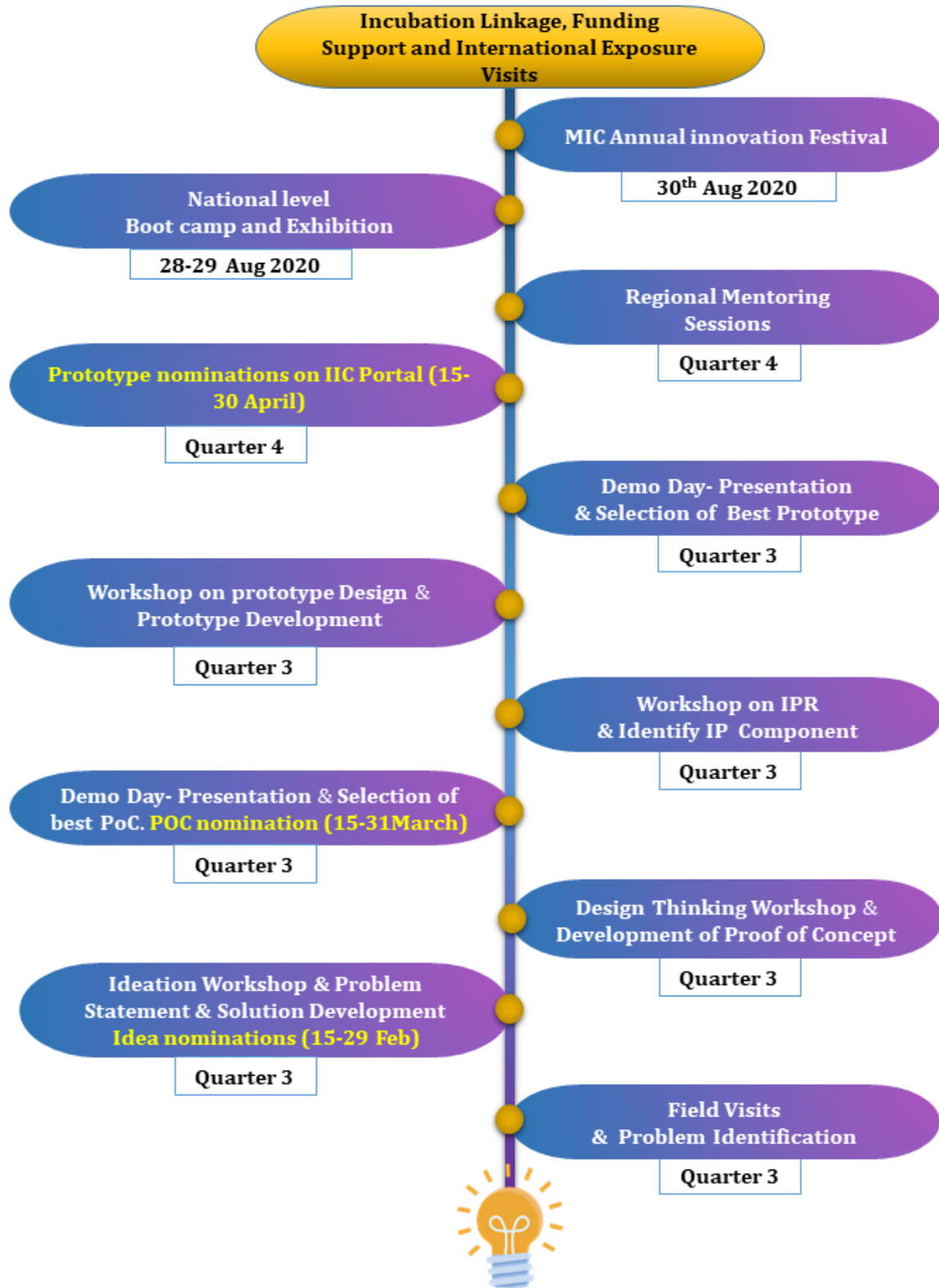
Students selected at regional level will get an opportunity to be part of two- Day National level bootcamp at AICTE Head Quarter

Students selected at National level will be eligible for incubation linkages and funding support (assessment based).

Five best startup/ Prototypes will be awarded "MIC Innovation Award-2020"

Students will also get an opportunity to be part of International Start-up Ecosystem Exposure visits

IIC National Innovation Contest timeline:



For any query, write to us at iic.mhrd@aicte-india.org or in respective zonal WhatsApp group.