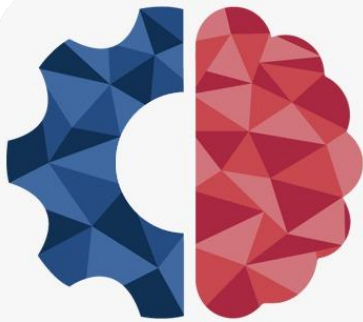# School Innovation Council

SCHEME & GUIDELINES 2024-25

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)

SCHOOL INNOVATION COUNCIL (SIC)

(An Initiative of MoE's Innovation Cell, Ministry of Education)
Website- https://sic.mic.gov.in

I. Introduction:

India is one of the youngest countries in the world, with a substantial population in schools. Concerted efforts and policy interventions are required to translate this demographic potential into dividends. The current school education is heavily focused on rote learning and a rigid examination system which ignores the ever- increasing importance of **creative thinking, design thinking, ideation, innovation, patents, problem-solving, and entrepreneurial mindset**. The current school education system lacks a focus on innovation-oriented activities.

National Education Policy 2020 (NEP 2020) restructures and advocates for synergetic convergence in our education system: From pre-primary to higher education and also reconfigures the education system with new skills, innovation, and a research ecosystem. It lays great emphasis on promoting ideation, out of box thinking, innovation, and entrepreneurship (IIE), at the school education level in a sustainable manner. It advocates for synergetically connecting the IIE ecosystem at the school education level with that of the higher education ecosystem including hands-on learning and skill development.

Taking forward the aim of NEP 2020, the **Ministry of Education's Innovation Cell (MIC)** envisages the establishment of the School Innovation Council in the schools. This **initiative will foster the culture of ideation, innovation, entrepreneurship**, **creative thinking, design thinking, prototyping, out-of-box thinking, and IP commercialization** by facilitating training (for teachers), field visits, leadership talks, awareness, orientation sessions, boot camps, national-level exhibitions, hackathons, skill modules, new courses for students, linking of school innovation ecosystem with higher educational institutions (HEIs), etc. at schools.

The School Innovation Council initiative will bridge the gap in connecting schools with the Innovation & Entrepreneurial enabler ecosystem of the country. SIC will provide a platform for the schools, academia, industry, HEIs, experts, innovators,entrepreneurs etc., to come together and work in unison to make
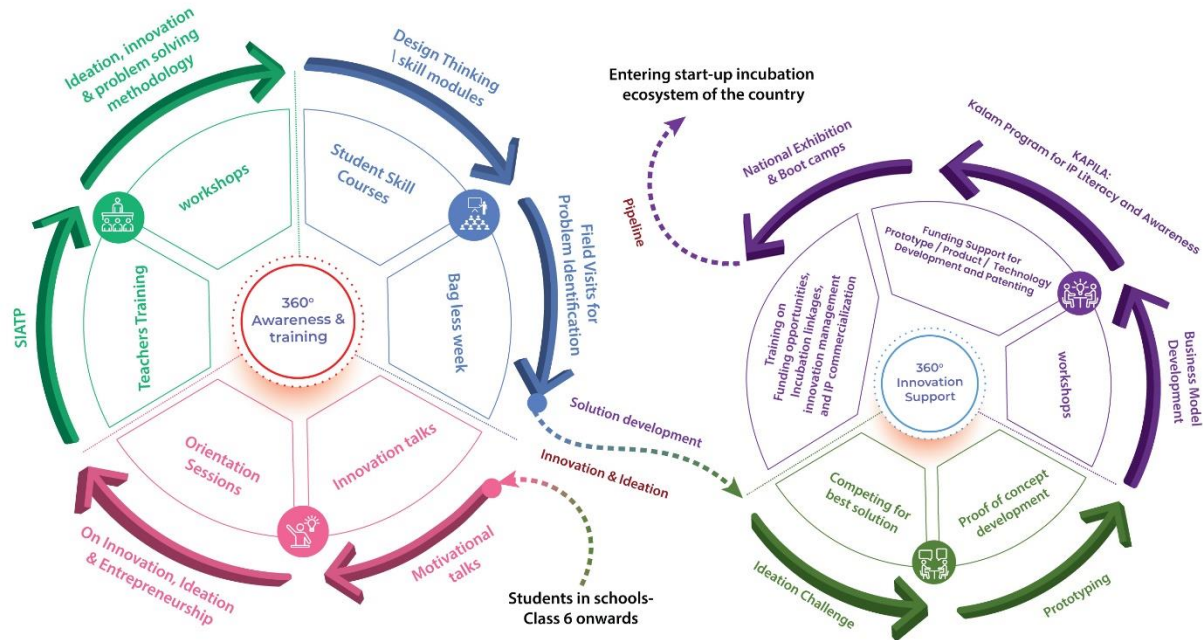
disruptive progress in I&E ecosystem at the school level in the country.

II. Objective

- The School Innovation Council will foster the culture of Ideation, Innovation and Entrepreneurship (IIE) in schools.

- SIC will act as an umbrella program for all the initiatives of the Department of School Education and Literacy, Ministry of Education's Innovation Cell, AICTE, and other institutions regarding the promotion of Innovation and Entrepreneurship among school teachers and students.

- SIC will enable mindset change, awareness, and training on IIE, design thinking, startup finance, HR and IPR among teachers and students.

- Systematically measuring and enabling the ranking system for schools on thelevel of innovation-oriented activities.

- Providing mentoring and utilizing the existing infrastructure of the school tonurture innovation in learners.

- Encouraging, incentivizing, and upskilling teachers to enhance their mentoring capabilities.

- Enabling exchange programs, collaborations, field visits, and ideation activities.

- To implement and initiate the various programs on innovation-related activities through the established school innovation council committee.

- To act as the enabling platform for implementing the National Policy for Promoting Innovations in Schools.

- The council will create a synergetic bridge between the Innovation and Entrepreneurship ecosystem of higher education and school education through various initiatives of MIC in Higher Education.

III. SIC's 360 degree Philosophy.

School Innovation Program – 360 degree approach

IV. Who can establish the School Innovation Council?

- The Ministry of Education's Innovation Cell recommends the establishmentof the School Innovation Council in all the secondary and higher secondary schools of the country.

- Any school affiliated with any of the educational boards including state boards in India can establish School Innovation Council and register the same on the SIC website.

V. **School Innovation Council committee.**

The schools will create the School Innovation Council committee at the school level with the following members. The details of all the committee members shall be provided by the schools during the registration of the School Innovation Council on the SIC website.

(A-E)

A. **Executive representatives-**

1. **Chairperson of the Council** –School Principal (or equivalent)

2. **Convener/ Activity Coordinator** - School Vice Principal/ Senior teacher from the school.

   Note– Executive members will have the login credentials for SIC. They can log in with the registered email and password created on the SIC website. The nominated members should have interest and experience in Ideation, Innovation, entrepreneurial ecosystem, or in conducting innovation-related activities/ festivals/hackathons/ competitions.

B. **Teacher representatives:**

1. **Innovation ambassadors trained under SIATP-** Schools can nominate teachers here for Innovation Ambassador Training. Teacherscan login on SIATP website (https://sia.mic.gov.in) with a registered email.

2. **Additional Members** (Minimum 2 Teachers) **–** Teachers nominated by School Principal – to carry our SIC calendar and other Innovation and Entrepreneurship related activities in school.

3. **Atal Tinkering Lab in charge** (if ATL exists in the school)

C. **Social Media Coordinator**- Teacher/non-teaching staff nominated by the principal with experience and interest in social media management.

D. **Student representatives:**

1. **School captain/ head boy/head girl from the school**

2. **Student Members** (Minimum 5)- nominated by executive members to support the council in carrying out SIC activities**.**

E. **External Expert Representatives:**

1. **Successful entrepreneur:** Start-up founder/ co-founder or alumni entrepreneur from school or entrepreneur or from nearby Higher Educational Institute (HEI).

2. **Expert member:**

- Officer from nearby Incubation/ pre-incubation Centre

  and/ or

- Technology/ finance/ sales/ banking expert from nearby industry/ bank/ institution.

  and/ or

- President/ convener/ member of Institution's Innovation Council established by MIC in nearby HEI (IIC website- https://iic.mic.gov.in)

  and/ or

- IPR Expert.

  and/ or

- Senior industry experts having experience in sales/ marketing/product design/ product manufacturing etc.

- Parents of a student of respective school who falls under above category, can also be nominated as an expert member

  Note*- MIC will facilitate linking of Higher Education Institutes / Incubation Centres Institution's Innovation Councils with SICs to help schools onboard expert representatives.*

VI. **Process of School Innovation Council establishment.**

- The Executive Representatives (principal/vice principal) of the school shall initiate the process of registration for the School Innovation Council by constituting the SIC committee as given in point V.

  Note- The schools registered for the School Innovation Ambassador Training Program (SIATP) will be automatically upgraded to SICs with existing details and login credentials. Such schools can update the details and furnish additional details after the first login on the SIC website.

VII. Monitoring of School Innovation Council

- The Ministry of Education's Innovation Cell will monitor the progress of the School Innovation Council on a quarterly basis.

VIII. Expected outcomes from the establishment of School Innovation Council

- Establishing and strengthening the Ideation, Innovation, and Entrepreneurship (IIE) ecosystem in schools.
- Awareness creation on IIE, design thinking, creative thinking, IPR, finance, and product sales, among school teachers and students.
- Aligning School Ideation, Innovation, and Entrepreneurial ecosystem with the needs of established ecosystem at the higher education level.
- Extending the existing Innovation and Entrepreneurship ecosystem infrastructure to schools.
- Preparing the schools to handhold the ideation and entrepreneurial initiativesof their students and create awareness to reach more number of students.
- Guide and handhold the schools to create a sustainable ecosystem of Innovation, Entrepreneurship, IPR creation, Design Thinking etc.

IX. Report Submission.

The schools are required to submit the compliance report for the activities on a monthly basis to the MIC through the SIC Website (https://sic.mic.gov.in). The format of the reporting will be available in the School Login on the SIC website.

X. Credit point system and performance rating

The SICs will be given credit points for doing activities given in the SIC calendar and for undertaking additional activities to further the Innovation and Entrepreneurial agenda in the schools. The credit points will drive the performance rating of the SICs. The credit points will lead to a rating and SICs with higher ratings will be acknowledged as top performers. This credit point system will help MIC to systematically rank the schools on their innovation achievements at the national level.

Sr. No.	Activity Type	Weightage
1	SIC Calendar Activities	50 %
2	MIC Driven Activities (hackathons, exhibitions, etc.)	30%
3	School / Self Driven Activities	20%

XI. Activities for Schools under SIC.

SIC Calendar Activities for Academic Year 2024-25

Orientation session on "School Innovation Council (SIC) in Schools"

SIC Calendar Activities for Academic Year 2024-25				
S.No	Activity	Mode	Organizer	Month
1	Leadership talk /Motivational session	Online	MIC	1st July 2024 to 31st August 2024
2	Session on Design Thinking and Innovation & Problem Solving	Online	MIC	
3	Field visit and Identification of Problems Innovation Contest: Idea Creation Challenge/Ideation: Invite Ideas from Students (Note: Kindly refer to 3b of SIC activity guidelines)	Offline	School	2nd September 2024 to 30th September 2024
4	Session on Proof of Concept and Prototype: Development of Proof of concept and Prototype by students	Offline	School	
5	Demo Day for students regarding: Proof of Concept and Prototypes	Online	School	30th September 2024 to 8th October 2024
6	Session on Business Model Development Develop the business plan for ideas submitted by students. Develop Business-Plan and upload them on portal	Offline	School	14th October to 30th November 2024
7	Webinar/Session- Entrepreneurship and Startup support ecosystem in the country	Online	MIC	2nd December 2024 to 30th December 2024
8	Session on Intellectual Property Rights	Online	MIC	
9	Motivational Sessions by successful Innovators/Entrepreneurs/	Online	School	31st December 2025 to 31st January 2025
10	Session on products developed by School Students/ Exhibition of Prototypes / Products developed at the School Level	Offline	School	

1. **MIC Driven Activities:**

a) Under MIC Driven Activities, the schools will be given periodic activities by MIC in addition to SIC Calendar Activities.

b) Formation of an **"SIC"** in each school to promote the free flow of ideas and allow students to showcase their innovation creatively.

c) The School Innovation Council committee meets twice a year at the beginning of the first and second half of the calendar year to plan and coordinate these activities.

2. **School Driven Activities:**

The schools are encouraged to engage in Ideation, Innovation, Entrepreneurship, IPR, and start-up-related activities in addition to SIC Calendar Activities and MIC-driven activities.

XII. SIC Implementation Organisations:

Department of School Education and Literacy, Ministry of Education's Innovation Cell and All India Council for Technical Education, Central Board of Secondary Education.

****

SCHOOL INNOVATION COUNCIL (SIC)

https://sic.mic.gov.in

Calendar of Activity Guidelines for Academic Year 2024-25

1. Leadership Talk / Motivation Session

A. Participants

i. School should record the attendance of all participants and keep it for the record to be produced as and when required by the Ministry of Education's Innovation Cell (MIC) in the future. The school shall submit the participants' details (i.e., the no. of female/ male students and teachers) on the SIC Portal under the Calendar Activity Tab.

ii. All the School Innovation Council members and Innovation Ambassadors should attend the session/ watch the video shared by MIC (Available on SIC Portal under activity calendar Tab of School / Self Driven Activity).

iii. All the teachers and students of the school are advised to participate in this activity.

B. Activity Report Upload: To be submitted on the SIC portal under SIC login.

i. School must upload two photographs displaying participants. The photographs shall cover the participants in a manner so that the number of attendees can be recognised. The second photograph shall cover the audience from the back side, facing the screen. The photographs shall not be more than 2 MB each and should be in JPEG/PNG format.

ii. If a session were taken online, take screenshots and make two collages of the photos. Upload them on the portal.

iii. MIC will broadcast the Leadership talk/ motivation session over its YouTube Channel (https://www.youtube.com/MoEInnovationCell). It can be watched on YouTube.

iv. School must ensure the proper audio-video system and seating arrangement for gathering the school students/teachers to watch this session.

v. If the school organizes a session, it should be held in a seminar hall or auditorium with proper audio-video systems. The report submission process is the same for both cases, whether the activity is organized by MIC or by the School.

C. Usage of Logo

i. Use the School Innovation Council (SIC) logo on communication materials like posters/ banners etc. Do not use the MIC or Ministry of Education logo without written approval from your SIC regional coordinator.

D. **Social Media Promotion**
i. The social media coordinator/ team of SIC shall publicise these events well in advance and shall post photographs of the events after the event is conducted. The post may be made on relevant social media platforms like Twitter, Facebook, Instagram etc.

Note: While posting on Twitter/Instagram/Facebook, please tag the following Twitter handles. (@mhrd_innovation, @EduMinOfIndia)

Innovation Contest:

(Exclusive for schools established School Innovation Council)

The skilling and innovation-driven activity calendar of the School Innovation Council advocates various activities for the students. The purpose of the School Innovation contest is to motivate, skill, train, handhold and nurture the Innovations from school students and finally fund them to create startups out of them. The selection of student teams will be through various stages of training and scouting, as mentioned below-

- **Team Size**- The team size should not be more than five students. Participation of girls students is encouraged.

2. Session on Design Thinking and Innovation & Problem Solving

a) MIC will conduct a webinar on the above topic through online mode.
b) Schools (students/ teachers) have to watch the session in online mode.
c) The report should be submitted on the SIC portal in the required format.

3. Field Visit and Identification of Problems
Innovation Contest- Idea Creation Challenges / Ideations:

a) **Idea creation challenge:** Conduct training sessions and competitions/ challenges to ask students to ideate on pressing problems in the School, society, city, state, and country. Schools may provide the problem statements to the students, or studentscan propose their own ideas.

b) **Field visits**
ii. **Idea creation and training sessions**
Students should be engaged in a field visit by the school to nearby Higher education institutes, incubation centres, Innovation/ research part, start-up ecosystem enablers, etc., so that they can understand the overview of the start-upecosystem in India. Students can also be taken to places where there is a scope tofind specific issues and for which they can think of solutions, such as sewage treatment plants, power plants, biodiversity parks, safe industrial areas etc, where students can think out of the box and ideate for solutions.

iii. Idea rubric and idea validation session

MIC will conduct an online session for members of the SIC council to train them on innovation validation and shortlisting for further stages.

Note- Maximum students should be encouraged to participate in idea submission. They can submit their ideas and propose a solution for any kind of issue broadly on the following themes.

C. Themes

1. Healthcare & Biomedical Devices.
2. Agriculture & Rural Development.
3. Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology.
4. Food Processing/Nutrition/Biotech
5. Robotics and Drones.
6. Waste Management/Waste to Wealth Creation
7. Clean & Potable water.
8. Renewable and Affordable Energy.
9. IoT based technologies
10. ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML.
11. Software / App Development
12. Quantum computing
13. Travel & Tourism
14. Finance Life Sciences
15. Smart Education
16. Smart Cities
17. Sports & Fitness
18. Smart Textiles
19. Sustainable Environment
20. Infrastructure
21. Manufacturing
22. Defence & Security
23. Mining, Metals, Materials
24. Consumer Goods and Retail
25. Fashion and Textiles
26. Education
27. Other Emerging Areas Innovation for Start-up

D. Idea Creation Challenge

Students will submit their ideas to the SIC council, and SIC members and Innovation Ambassadors will identify the ideas from their schools to submit on the School Innovation Council Portal. (An option is available for submission of Ideas on the SIC portal).

4. Session on Proof of Concept / Prototype
Development of Proof of Concept / Prototype

a) Once the ideation is completed and submitted on the SIC Portal. The submitted ideas will progress to the next stage of Prototyping / Proof of concept development.

b) MIC will conduct an online session to train members of the SIC council on prototype development.

c) Best teams/ prototypes will be selected by the schools and submitted for the next stage of Business Model Development through the SIC portal.

5. Demo Day for students regarding Proof of Concept and Prototypes

a) Demo Day is a culmination of the innovative spirit and hard work of students who have explored proof of concept and developed prototypes. It showcases their ability to identify problems, devise creative solutions, and bring their ideas to life. By celebrating their achievements, Demo Day inspires future generations of students to think critically, innovate boldly, and contribute meaningfully to their communities and beyond.

b) Students should present their product on this particular day to other students of schools (If required, other school's students may also participate)

6. Session on Business Model Development

a) Develop the business plan for ideas submitted by students

- Once the student teams have developed the prototype, they will develop a business model.
- Each selected team has to go through the Business Modal Canvas Training &preparation.
- MIC will conduct an online session on Business Modal Canvas training for SIC members, teachers and selected teams.

b) Provide students with case studies on India's successful startups and ask them to compare their studies with similar startups, focusing on business models, e.g., Swiggy vs. Zomato.

Additionally, all students (participating or not participating in the Innovation Contest) shall be exposed to one of two case studies on the business models of successful Indian start-ups. Students should be exposed to a comparative study of the business models of given start-ups.

7. Webinar / Session Entrepreneurship and Start-up support ecosystem in thecountry

a) MIC will conduct a webinar on the above topic through online mode.

b) Schools (students/ teachers) have to watch the session in online mode.

c) The report should be submitted on the SIC portal in the required format.

8. Session on Intellectual Property Rights

a) MIC will conduct a session on the above topic through online mode.

b) Schools (students/ teachers) have to watch the session in online mode.

c) The report should be submitted on the SIC portal in the required format.

9. Motivational session by successful Innovators/entrepreneurs from schools/colleges

a) School will conduct a session on the above topic through online mode.
b) Schools (students/ teachers) have to watch the session in online mode.
c) The report should be submitted on the SIC portal in the required format.

10. a) Session on Products Developed by Schools Students

1. Participant details

a) School should record the attendance of all participants (i.e. including the no. of male/ female students and teachers).
b) Teachers must encourage students to be a part of such activities.
c) Session will be organized by MIC; schools have to watch the video.

2. Usage of Logo

a) Use the SIC logo on communication materials like posters/ banners/ PPTs/ Pamphlets etc.

3. Media

a) If schools have conducted this session at the school level, then the recording or live streaming of the session should be posted on schools YouTube channel. Link of YouTube should be posted on social media platforms and tag AICTE, MoE's Innovation Cell, MoE, School name, and SIC.
b) MIC will conduct this session virtually. Students/ Teachers should join the live stream/recorded streaming from the school auditorium/ seminar hall.

4. Report submission

Activity Report Upload: To be submitted on the SIC portal under SIC login (Same as stated above in point 1-B of Leadership Talk / Motivation Session / Webinar / Awareness sessions).

10. b) Exhibition of Prototypes / Products developed at the School Level

a) Exhibition should be organised to display the best prototypes developed out of the Innovation Contest.
b) This is for creating awareness and acknowledging the efforts of your school's innovative students.
c) The report should be submitted on the SIC portal in the required format.

Other Activities:

Boot camp / National Exhibition by MIC: MIC will conduct a boot camp/ National Level Exhibition for the participants of School Innovation Contest (Principal/Teachers/Students from the schools).

Selection of Ideas/innovations/Prototypes for Seed Funding Support

1. The best teams from national exhibitions and boot camps with Novel Ideas and high business potential will be shortlisted/considered for initial seed funding support of up to Rs.1.5 Lakh for a one-year duration/up to product development.
2. The funding support will be awarded through SIC/AICTE for the development of the proposed student innovation/startup.
3. To monitor the progress of the funded ideas/innovations, an external Project Monitoring Committee will be appointed, consisting of technical and business experts from the field. The project monitoring committee is expected to submit progress reports bimonthly.
4. If the progress is satisfactory after one year and the student's innovation/startupshows great business potential, then these innovations /startups will be strongly recommended/encouraged for incubation in a nearby incubation centre for furtherdevelopment and support.

For any further details. Please do contact us on

Email id: schoolinnovation@aicte-india.orgWebsite: https://sic.mic.gov.in

Contact your regional officers: https://sic.mic.gov.in/sic-contact

****