



Institution Innovation Council (IIC-SEC)



(Affiliated to North Eastern Hill University, Shillong)
Recognized by the University Grant Commission under 2 (f) and 12 (B) of UGC act 1956
Laitumkhrah, Shillong – 793003, Meghalaya, India

Website: <http://sec.edu.in>

A. About IIC Institute

With the introduction of National Education Policy (NEP2020) in Higher Educational Institutions, the college need to invest in new fields/domains such as Research- Swachhta- Innovation in addition to normal teaching learning processes. It is deemed appropriate to establish an Innovation Council as mandated by Ministry of Education Innovation Council (MIC), Government of India. In the middle of the lockdown due to Pandemic, few members of the staff and students get together and formed the Innovation Council as per laid down principles of MIC and got the approval with ID202015433. The college wish to contribute to and take responsibility on the concept of “Aatmanirbhar Bharat” in the present reality which the world is facing that is transforming the way we live

- **Vision / Mission of IIC established at the Institute**

“Innovate today for a better tomorrow”

To facilitate a viable ecosystem in the campus for critical thinking, problem solving, innovations. and start-ups. The students are encouraged and motivated to think and dream beyond syllabi; identify and develop a proposal on a topic relevant to local and or national level; build a model that can be verified and standardised for a working model on start-ups.

- **Journey of IIC established at the Institute**

- (i) Started in the year 2020 by forming a IIC – SEC cell and uploading all the documents.
- (ii) Logo of the cell and the Vision & Mission of the cell identified.
- (iii) Students are involved in activities related to innovation by identifying a problem in the regional/local sphere.
- (iv) Experts identified as resource persons to deliver lecture on innovation, startups etc.



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- (v) A total of 10 lecture series were organized by involving eminent person from diversified field.
- (vi) Participated in mentor-mentee programs and regional meet at Guwahati, Assam.
- (vii) Prototype model on biofertilizer, face mask dispenser, anti-termite bioproduct are in process of calibration & standardization.

- **Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.**

The Council initiated its activities using the expertise of Alumni Network, local Entrepreneurs and organised online impact lecture series bringing in eminent Entrepreneurs from all over India.

The students and faculties were exposed to the idea/concepts of Entrepreneurship, innovations, start-ups – the challenges and prospects of such ventures. The social media accounts (face book, Instagram and twitter) were activated and presently there are 220 members participating in sharing of ideas and thoughts. Regular formal and informal interactions and meetings are held to discuss and deliberate on the working schedule of the council. The students were asked to identify issues, think critically and propose a working model through online presentation as well as in physical mode. All the self-driven and MIC driven activities were recorded and uploaded in the MIC portal for evaluation and assessment. The council members are in constant touch with the eminent persons and MIC experts to explore ideas and concept notes. The students are motivated to participate in all activities of the council and it is expected to yield an outcome in line with the mission of MIC.



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B. Brief mention of key functionaries at the IIC Institute

- **President**

The president of the IIC-SEC cell takes care of the various initiatives from the deliberations and suggestions of meeting of IIC council members. The funds requirement, logistics etc. are also taken care by the president.

- **Vice President**

The vice President of the IIC-SEC works hand in hand with the president in all the initiatives of the cell.

- **Convenor**

The convenor of the IIC-SEC plays significant role in deliberations and execution of the programs. Also, the feedback of the major stakeholders is taken into consideration as the convenor has the inbuilt leadership qualities. Regular meeting with the council members, with the management team and with other stakeholders are arranged in consultation.

- **Coordinators etc.**

The coordinator (s) takes the responsibilities in organizing self-driven, MIC driven activities of the cell. The designated coordinators also organize programs on celebrating important commemorative days.



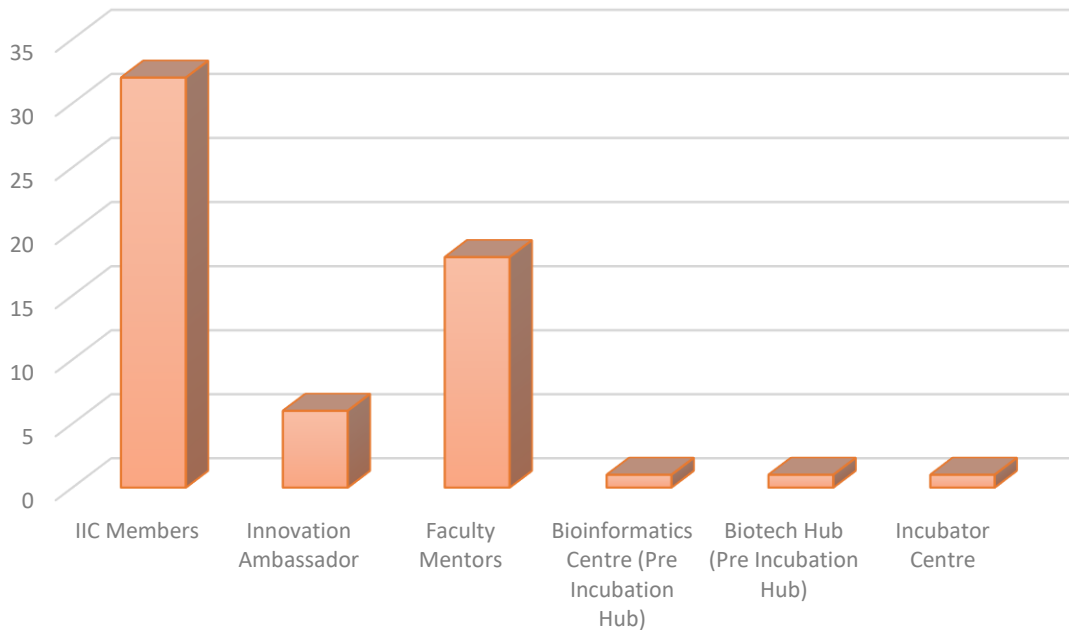
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C. Portfolio/graphical/Tabular representation of Resource strength (humancapital and Physical capital) of the IIC institution



D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

- **Key Highlights of IIC-SEC**
 - i. Good Communications skills among peer members
 - ii. Good Mentor: Mentee ratio
 - iii. Adequate IT facilities and use of digital tools for communication
 - iv. Good collaborations with Industry partners, Self Help groups etc.



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- v. Adequate infrastructural support for extension activities.
- vi. Interdisciplinary working environment.
- **Infrastructure of Bioinformatics Centre (Pre Incubation Unit)**
 - i. 20 Desktops with internet facility
 - ii. High end desktops for bioinformatics related work.
 - iii. Data Mining and access to various databases
 - iv. Other facilities like printing, photocopying, xerox etc
 - v. Smart boards for interactive meetings
- **Infrastructure of Biotech Hub (Pre Incubation Unit)**
 - i. Gel Documentation Facility
 - ii. PCR Workstation
 - iii. GC-FID Facility
 - iv. Rotatory Vacuum Evaporator
 - v. ELISA Reader
 - vi. Microphotography Facility
 - vii. Spectrophotometer
 - viii. Electrophoresis Facility



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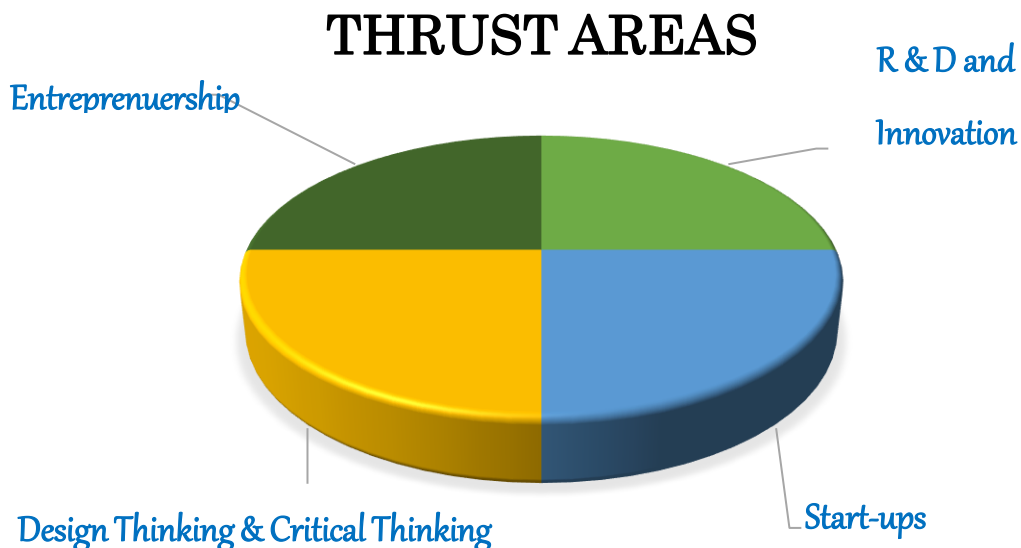
- **Incubation Centre**

- (i) Space for conducting prototype experiments.
- (ii) IT facilities
- (iii) Research facilitator for innovation.

- **Promotion of Innovation & Entrepreneurship activities through Clubs etc**

The college has different clubs/committees such as Science Club, Eco Club, Computer Club, NSS, NCC, RRC, Music Club, Art Club and UBA cell that coordinates with the IIC-SEC cell organize activities in the college and also outside the college based on the themes identified by the IIC-SEC cell.

E. Highlight Achievements (Narrative/Graphical/tabular representation)





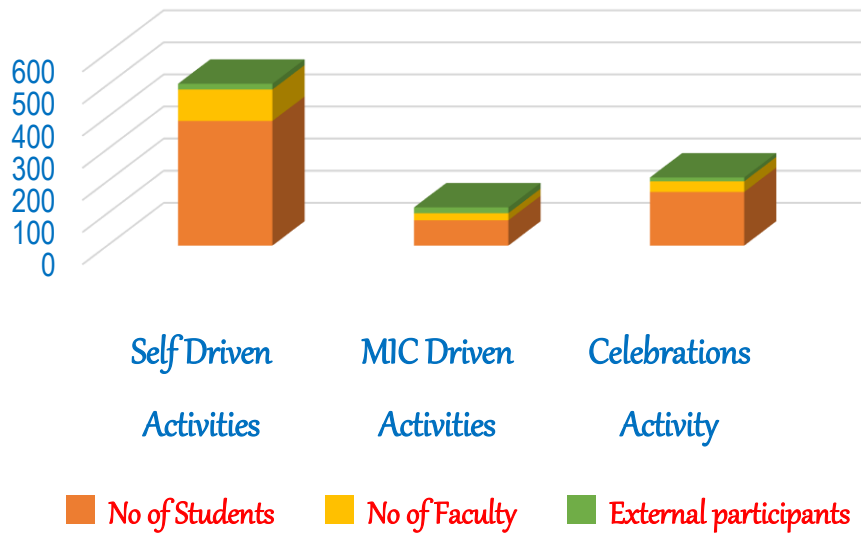
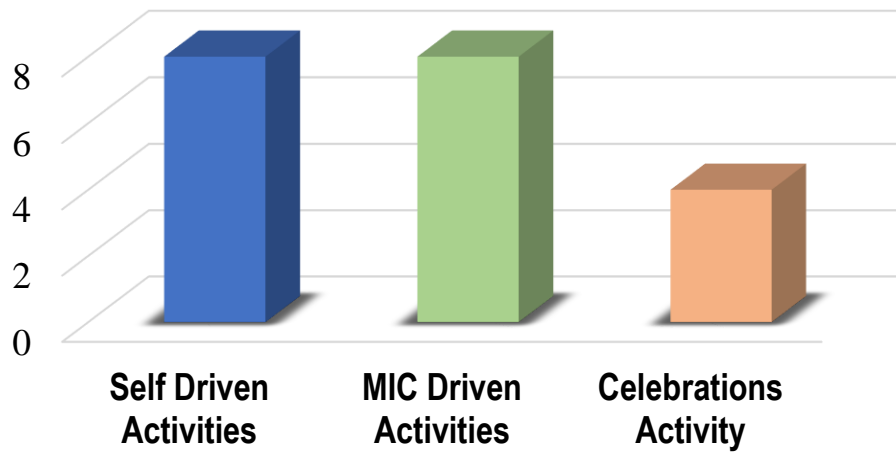
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No of Programs (2021-2022)





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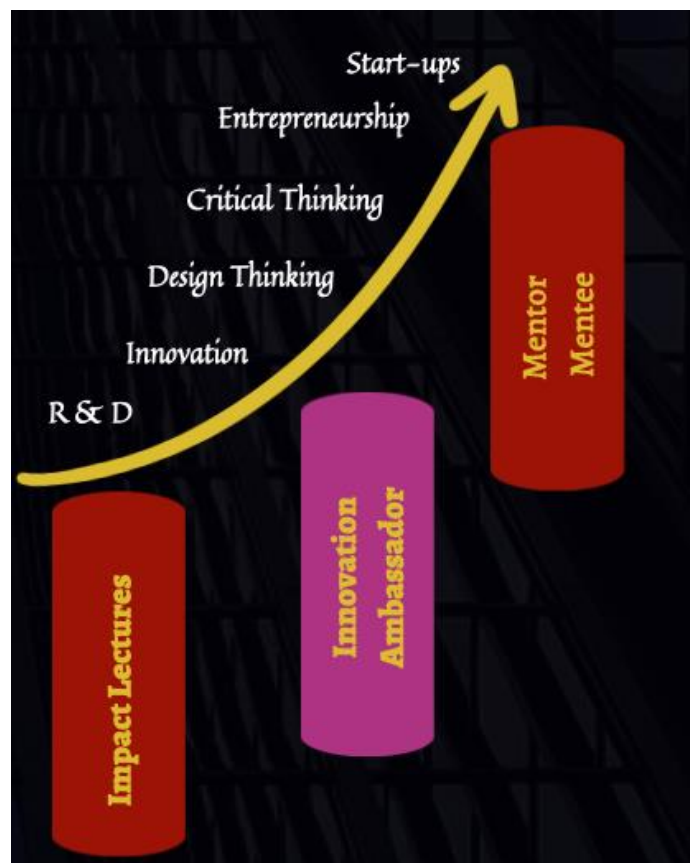


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Innovation/Start-ups Initiatives

	Name of the Initiative	Status
1	Face Mask Dispenser	Prototype phase
2	Paper Fertilizer	Pre Commercial
3	Anti-Termite bio product	Calibration Stage
4	Candle	Extension
5	Herbal soaps	Pre Commercial
6	Bioremediation of Oil Spills	Calibration Stage





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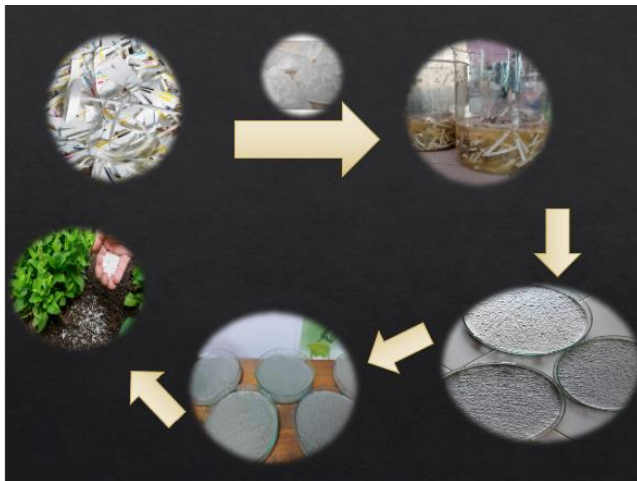
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F. Highlight few best IIC Faculty/Student members and their achievements/Rewarded for the innovations at different forum

- Two faculties have completed innovation ambassador training and being moved up to the advanced level.

G. Highlight selected best Innovations & images with mention of inventor/innovation name



Team Members

1. Ms Shabnam Barbhuiya (Student)
2. Ms Rittika Das Choudhury (Student)
3. Ms Vania C Shadap (Student)
4. Ms Ankita Sarmah (Student)
5. Dr Samrat Adhikari (PI)
6. Prof Sumit Deb (PI)

This idea concept has been submitted to Engineers India Ltd (EIL), Mumbai for grants for upgradation.