



Institution's Innovation Council – Asansol Engineering College (108)

IIC ID - IC202115808

Aishe Code – C-6333

Vision & Mission

Vision:

To foster innovation and an entrepreneurial ecosystem in institute by providing opportunities to transform the business ideas of students, alumnae and faculty.

Mission:

- ✓ To create an ecosystem to support innovative ideas
- ✓ To create entrepreneurship opportunities for students and faculties.
- ✓ To nurture the startups by providing them necessary support
- ✓ To provide support to commercialize innovative & sustainable ideas.

The IIC-AEC was established in the year 2020-2021 in IIC 3.0. Asansol Engineering College got 1-star rating in the very year for the establishment.

The excellent initiative by Government of India helped to continue our effort and the IIC-AEC council was able to get **3-star** rating in IIC 4.0 in the year 2021-2022.

Our Institute also participates in National accreditation programs by IIC and we were extremely happy to report that our institute got **NIRF (Innovation)** ranking in 2023 as reflection of our utmost zeal and desire for setting up the vibrant I&E ecosystem in the campus.

The number of activities helped to enrich our IPR, pre-incubation and incubation facility this year in IIC 5.0. The innovation and entrepreneurial activities conducted became beneficial to all departments of the institute.

The activities were of much diverse in nature starting from ideas inculcation on Yukti platform, getting training sessions in the form of **Innovation ambassador**, idea or prototype encouragement by pre-incubation units like **EDC, IEDC, New Gen IEDC** and growing incubation in our institute by providing **AEC Incubation Centre** platform.

The patent filing is eventually increased by a greater amount on facilitation by **IPR Cell** and **Start-up Cell**.

Institute always encourages to conduct the activities, hackathons, business idea competition and various other competitions adopting **NISP guidelines** and in-line with MIC-IIC, Government of India.

The IIC-AEC also serves as a vibrant platform by mentoring **3 Atal Tinkering Lab adopted schools** and also helps the future generations to become an aspiring Innovator as well as

Entrepreneur by helping them conducting lots of workshops and competition as prescribed by MIC or in-line with **AIM Mission**.

With respect to the social responsibility IIC-AEC also helped the **2 Government college** to establish IIC as **referral IIC**.

IIC-AEC 5.0 was aimed this year to conduct all the activities as prescribed by MIC. Table below lists the number of activities conducted.

IIC 5.0 Committee updated



ASANSOL ENGINEERING COLLEGE

NBA Accredited (B. Tech in CSE, ECE, ME); AICTE Approved
MAKAUT Affiliated; UGC (2f) Recognised
Kanyapur, Vivekananda Sarani, Asansol
Paschim Bardhaman, WB, PIN - 713 305



Memo no: AEC/PA-Notice/ July.24/02

Date: 24/07/2023

Notice

Following Committee has been constituted for the smooth functioning of Institutions Innovation Council (IIC) 5.0.

Sl. No.	Name of Member	Member Type- Teaching/Non-teaching Member/ External Expert/Student Member	Key Role/ Position assigned in IIC
1	Prof. (Dr.) Avijit Bhowmick	Teaching Member, Professor, Principal-AEC	President
2	Dr. Arpana Rawal	Teaching Member, Professor, CSE & Dean Academics-AEC	Vice-President
3	Dr. G.S. Panda	Teaching Member, Associate Professor, BSHU and Vice Principal -AEC	Executive Member
4	Prof. (Dr.) Sandip Halder	Teaching Member, Professor, HOD- BSHU	Executive Member
5	Dr. Shiv Charan Puri	Teaching Member, Assistant Professor, ECE	Convenor
6	Mr. Soumen Sen	Teaching Member, Assistant Professor, ECE	Innovation activityCoordinator, NISP Coordinator, ED Cell Coordinator, Hardware Club
7	Mr. Amitava Chakraborty	Teaching Member, Assistant Professor, CA	ATL School Coordinator, Start-up activityCoordinator, Start-Up Cell Coordinator and IEDC Coordinator
8	Mr. Tapan Kumar Das	Teaching Member, Assistant Professor, CA	Internship Coordinator
9	Dr. Kuntal Ghosh	Teaching Member, Associate Professor, ECE	IPR activityCoordinator, IPR Cell& Kapila Coordinator
10	Mr. Gurjeet Singh	Teaching Member, Assistant Professor, ECE	Social MediaCoordinator

11	Dr. Sudhangshu Chakraborty	Teaching Member, Assistant Professor, BSHU	NIRF Innovation Coordinator
12	Mr. Amit Kumar Rai	Teaching Member, Assistant Professor, ECE	NIRF Coordinator
13	Dr. Rudra Pratap Singh	Teaching Member, Assistant Professor, EE	NIRF Co-coordinator
14	Dr. Krishnendu Pobi	Teaching Member, Assistant Professor, BSHU	ATL School Coordinator
15	Dr. Rupam Das	Teaching Member, Assistant Professor, ECE	ATL School Coordinator, NSS & Tinkering Lab Coordinator
16	Dr. Srijan Pal	Teaching Member, Assistant Professor, ME	ATL School & Robotics Club Coordinator
17	Mr. Robin Agarwal	Teaching Member, Assistant Professor, Management Studies	AEC Incubation Centre Coordinator
18	Dr. Sudip Basu	Teaching Member, Assistant Professor, Management Studies	AEC Incubation Centre Co-Coordinator
19	Mrs. Khusi Banerjee	Teaching Member, Assistant Professor, ECE	Nidhi Center Coordinator
20	Dr. Ranjita Sinha	Teaching Member, Assistant Professor, BSHU	New Gen IEDC Coordinator
21	Dr. R.P Sah	Teaching Member, Assistant Professor, ME	IIP Cell, Member
22	Dr. Abhishek Bandyopadhyay	Teaching Member, Assistant Professor, CSE	Tech Club, Member
23	Dr. Avik De	Teaching Member, Assistant Professor, BSHU	Science Club, Member
24	Mr. Hirak Gupta	Teaching Member, Assistant Professor, BSHU	Cultural Club, Member
25	Mr. Sudip Kumar De	Teaching Member, Assistant Professor, IT	Coding Club, Member
26	Mr. SumantaKarmakar	Teaching Member, Assistant Professor, ECE	Photography Club, Member
27	Dr. Saswata Chakraborty	Teaching Member, Assistant Professor, EE	Member
28	Dr. Dharambir Prasad	Teaching Member, Assistant Professor, EE	Member
29	Mr. Biplab Bhowmick	Teaching Member, Assistant Professor, ECE	Member
30	Mrs. Sucharita Pal	Teaching Member, Assistant Professor, EE	Member
31	Mrs. Swati Bhattacharya	Teaching Member, Assistant Professor, ECE	Member
32	Mr. D. Malakar	Non-Teaching Member, TA, CA	Member
33	Mr. Sarvesh Kumar	External Expert, Patent Expert	IP Expert/ Patent Expert
34	1. Mr. Sushil Singh, Director, Wityliti Automation and Solution Private Limited 2. Sourav Rakshit, Director, Logiczap Technologies Private Limited 3. Mr. Subham Raj Sharma, Managing Director, Webingo 4. Mr. Tanay Chakraborty, Co-founder, Innocentum Technologies	External Expert, Alumni Entrepreneur	Start-up / Alumni entrepreneur
35	1. Mr. Nirmalya Gupta,	External Expert, Industry Expert	Expert from nearby Industry/

	Director, Cognizant Technology Solution & 2. Mr. ParthaChattaraj, General Manager (HR), Indla Power Corporation Limited		Industry association/ Ecosystem Enablers
36	Mr. Subhabrata Misra	External Expert, Branch Manager, Axis Bank	FI/Bank/Investor/Angel Investor/VC


 Prof. (Dr.) Avijit Bhowmick
 Principal

- Copy to:
1. MD, JIS Group
 2. Director, Asansol Engineering College
 3. All HODs
 4. Concerned Members

IIC CALENDAR ACTIVITIES CONDUCTED

Sl. No.	Name of the IIC Calendar activity
1	Exposure and field visit for problem identification
2	Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR
3	Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas - Manage through YUKTI-NIR
4	Session on Problem Solving and Ideation Workshop
5	My Story - Motivational Session by Successful Entrepreneur/Start-up founder.
6	My Story - Motivational Session by Successful Innovators.
7	Workshop on “Entrepreneurship and Innovation as Career Opportunity”
8	Inter/Intra Institutional Innovation Competition/Challenge/Hackathon and Reward Best Innovations - Manage through YUKTI-NIR
9	Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space, Design Centers, City MSME clusters, workshops etc.
10	Session on Achieving Problem-Solution Fit & Product-Market Fit
11	Expert talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialization of Lab Technologies & Tech-Transfer"
12	Organizing Innovation & Entrepreneurship Outreach Program in Schools/Community
13	Workshop on Design Thinking, Critical thinking and Innovation Design
14	Organize an Inter/Intra Institutional Business Plan Competition and Reward Best Innovations - Manage through YUKTI-NIR
15	Workshop on Intellectual Property Rights (IPRs) and IP management for start up
16	Session/ Workshop on Business Model Canvas (BMC)
17	Workshop on Prototype/Process Design and Development
18	Organizing Innovation & Entrepreneurship Outreach Program in Schools/Community
19	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level
20	Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs.
21	Organize Session on “Lean Start-up & Minimum Viable Product/Business”- Boot Camp (or) Mentoring Session
22	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving “Value Proposition Fit” & “Business Fit”

CELEBRATION ACTIVITIES CONDUCTED

Sl. No.	Name of the Celebration activity
1	National Education Day
2	Innovation Day
3	National Youth Day

4	National Energy Conservation Day(India)
5	National Pollution Control Day
6	National Science Day
7	World Creativity and Innovation Day
8	International Women's Day
9	World Entrepreneurs Day
10	Independence Day- Celebrating Aazadi Ka Amritkal
11	World Environment Day

Along with that all MIC activities as prescribed by **MIC** has been completed.

Number of Innovation Ambassadors undergone training in IIC 5.0 till date other than 10 IAs undergone training in IIC 4.0:

Sl. No.	Name of the IAs completed training
1	Prof. (Dr.) Arpana Rawal
2	Dr. Saswata Chakraborty
3	Mrs. Swati Bhattacharjee
4	Dr. Avik De
5	Dr. Ramesh Sah
6	Dr. Dharmbir Prasad
7	Mr. Robin Agarwal
8	Mrs. Khushi Banerjee
9	Dr. Ranjita Sinha

Name of the 3 ATL Mentee Schools:

Sl. No.	Name of the ATL Mentee School
1	Amlajorah High School, Durgapur, West Bengal
2	Jawahar Navodaya Vidyalaya, Durgapur, West Bengal
3	Kendriya Vidyalaya, Asansol, West Bengal

Activities conducted in the ATL Mentee Schools:

Sl. No.	Activities conducted
1	Sensitization of ATAL Tinkering Lab to Mentee school in K.V.S Asansol
2	Sensitization of ATAL Tinkering Lab to Mentee school. in Jawahar Navodaya Vidyalaya, Durgapur
3	Sensitization of ATAL Tinkering Lab to Mentee school. in Amlajorah High School, Durgapur
4	ATAL Tinkering Day in the Mentee School, K.V.S Asansol
5	ATAL Tinkering Day in the Mentee School, Jawahar Navodaya Vidyalaya, Durgapur
6	ATAL Tinkering Day in the Mentee School, Amlajorah High School, Durgapur
7	ATAL Tinkering Mentor-Mentee Day in K.V.S Asansol

8	ATAL Tinkering Mentor-Mentee Day in Jawahar Navodaya Vidyalaya, Durgapur
9	ATAL Tinkering Mentor-Mentee Day in Amlajorah High School, Durgapur
10	Visit to Kendriya Vidyalaya Asansol as Jury members for the cluster level competition on Science, Mathematics and Environment Exhibition 2022-2023 and 50th Rashtriya Bal Vaigyanik Pradarshani 2023
11	Hands on workshop and Model Exhibition
12	Hands on workshop on Basic Robotics and 3-D Printing

IIC Referral Institutes

Two Government colleges were invited to adopt IIC in their campus and accepted.

Sl. No.	Name of the Institute
1	Asansol Girls' College, Asansol, Bardhaman, West Bengal
2	Banwarilal Bhalotia College, Asansol, Bardhaman, West Bengal

Kavach Hackathon 2023

Kavach 2023 internal hackathon was organised in Asansol Engineering College on 12/04/2023 in Tagore Seminar Hall. Total 8 teams participated in the Hackathon. Out of the 7 teams (42 students) 3 teams was declared winner and nominated by college to continue further for national participation.

Asansol Engineering College
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#AEC
#KAVACH2023:INTERNALHACKATHON
#winners... See more

Result of KAVACH 2023 (Cyber Security Hackathon)

Winner (1st Position)
Team - Byte Busters
Problem Statement Title: Dark web crawler
PS ID 006

Winner (2nd position)
Team - Curiosity
Problem Statement Title: New Age Women Safety App
PS ID 001

Winner (3rd Position)
Team- HackEd
Problem Statement Title: New Age Women Safety App
PS ID 001

ASANSOL ENGINEERING COLLEGE
KAVACH 2023 INTERNAL HACKATHON
Idea Presentation Round
TIMING: April 12, 2023, 3:00PM onwards
VENUE: Tagore Hall, Block C, AEC

110 likes · 6 shares

Smart India Hackathon 2023

Smart India Hackathon 2023 was organized on 15th of September as preliminary round and a Final Round on the 19th of September 2023. 18 teams participated in the Prelims round, out of which 12 were selected by the internal Jury for the Final Round. In final round external Jury selected 8 teams as qualified for participation on national level.



Pre-Incubation Centers:

Sl. No.	Pre-incubation unit
1	ED Cell
2	IEDC
3	New Gen IEDC
4	Start-up Cell
5	Nidhi Centre
6	Innovation Cell
7	Tinkering Lab

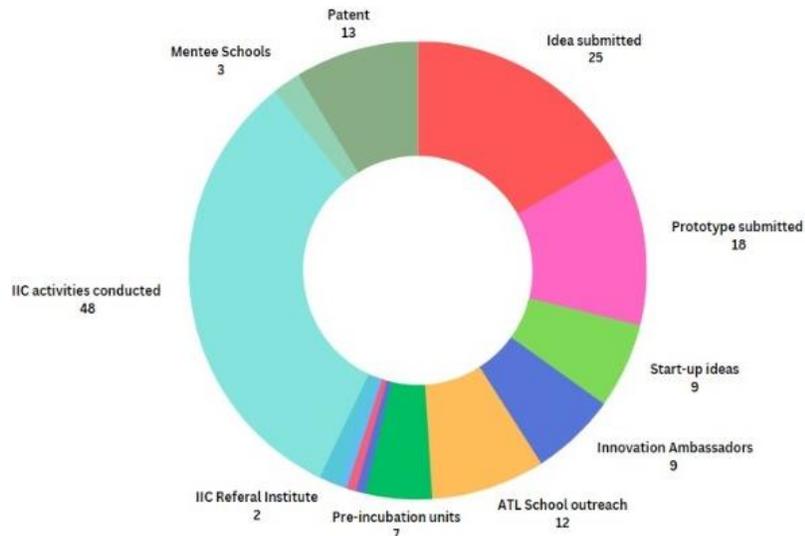
Incubation Centers:

Sl. No.	Incubation unit
1	Asansol Engineering College Incubation Centre (AECIC)

IPR and TTO Centers:

Sl. No.	Incubation unit
1	IPR Cell

Status Chart representation:



IIC-AEC connect with Government organizations to foster Innovation and Entrepreneurship



ARIIA Ranking [NIRF Innovation 2023]



S.C. Puri

**Dr. S.C. Puri
Convener, IIC-AEC**
