



**INSTITUTION'S INNOVATION COUNCIL (IIC) 6.0**  
**BENGAL INSTITUTE OF TECHNOLOGY, KOLKATA**  
**WEST BENGAL**  
**IIC-ID: IC201912466**

**ANNUAL REPORT 2023-24**

**1. About IIC: Institute Innovation Council - Bengal Institute of Technology (IIC-BIT)**

In 2018, the Ministry of Education (MOE) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE for Higher Educational Institutions (HEI) to systematically foster a culture of innovation and start-up ecosystem in educational institutions.

**1 a). Role of Institution Innovation Council of Bengal Institute of Technology (IIC-BIT):**

The IIC envisions creating an innovation ecosystem at a national level. IIC helps students start up before graduating from college. This turns the students from job-seekers to employment generators. There are about 2711 established institutes having incubation centers. Students with innovative ideas have a golden opportunity to take guidance from the e-cells in their colleges. IIC also prepares colleges for Atal Ranking of Institutions on Innovation Achievements Framework (ARIIA). Primarily, IIC's role is to engage a large number of faculty, students and staff in various innovation and entrepreneurship-related activities such as IPR, problem-solving, management at pre-incubation/incubation stage etc.

The recent achievement of India's 40th Rank out of 132 countries for the year 2023, in the Global Innovation Index (GII) reflects the same. IIC focuses on helping students with pre-incubation ideas. 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 in their formative years. The Institution Innovation Council of the Bengal Institute of Technology is striving continuously to motivate students and faculties for continuous efforts towards innovation, incubation, startups, and achieving sustainability goals.

## **2. VISION OF BIT (BENGAL INSTITUTE OF TECHNOLOGY):**

To become an institution of excellence in engineering and technological education, and produce skilled technical manpower of high quality with a high degree of social commitment to compete in the global market as a quality human resource to society and industry.

### **2 a). VISION-IIC-BIT (INSTITUTE'S INNOVATION COUNCIL- BENGAL INSTITUTE OF TECHNOLOGY):**

**IIC ID: IC201912466**

To promote innovation, incubation, and entrepreneurial environment in the organization by offering Students, Faculty and Society opportunities to renovate their business ideas to prototype business

## **3. MISSION OF BIT (BENGAL INSTITUTE OF TECHNOLOGY):**

- ❖ To offer a state-of-the-art undergraduate program by providing a congenial teaching learning (T-L) and a contending environment.
- ❖ To create an ambiance in which new idea and cutting age research flourish through effective curriculum and infrastructure to produce the motivated leaders and innovators of tomorrow.
- ❖ To apply and disseminate information and Communication Technology (ICT) in T-L process including providing both hard and soft skills to students.
- ❖ To provide quality resources (Physical and Human) for producing ethically strong and morally elevated human resources to serve mankind.

### **3 a). MISSION OF IIC-BIT (INSTITUTE'S INNOVATION COUNCIL- BENGAL INSTITUTE OF TECHNOLOGY):**

**IIC ID: IC201912466**

- To create a vibrant local ecosystem to incubate and support innovative ideas
- To create entrepreneurship opportunities for Students, Faculty, and Society
- To nurture and support the start-ups by providing them the necessary support
- To provide support to commercialize innovative and sustainable ideas

- To prepare the institute for the Atal Ranking of Institutions on Innovation Achievements Framework.

#### **4. Journey of IIC at the Bengal Institute of Technology:**

IIC 1.0 of IIC-BIT, started in the year 2018-19, IIC 2.0 of IIC-BIT in the year 2019-20, IIC 3.0 in the year 2020- 21, IIC 4.0 in the year 2021-22, IIC 5.0 in the year 2022-23 and IIC 6.0 in the year 2023-24.

**The past four years performance of IIC-BIT from 2019 to 2023 has been mentioned herewith:**

<b>YEAR</b>	<b>PERFORMANCE</b>
2018-19	-
2019-20	1 STAR
2020- 21	4 STAR
2021-22	4 STAR
2022-23	3.5 STAR

#### **5. The compositions of the IIC - BIT 6.0 Team**

<b>Designations</b>	<b>No</b>
President, Vice President & Convener	3
Coordinators	12
Faculty members	25
Student members	10
External members	5
<b>Total Members</b>	<b>55</b>

**5 a). Detail List of IIC BIT 6.0 Members:**

Sl. No.	Name of Member	Member Type (Teaching/ Nonteaching /Student/External Expert)	Key Role/ Position assigned in IIC
1	Dr. N. C. Ghosh	Principal	IIC Main body member
2	Dr. Tapan Kumar Pal	Teaching	President
3	Dr. Subrata Chakraborty	Teaching	Vice President
4	Prof. Sayanti Sinha	Teaching	Convener and Celebration Activity Coordinator
5	Dr. Mousumi Banerjee, HOD, ECE Department	Teaching	IIC Main body member
6	Dr. Madhusudan Debnath, HOD, BSH Department	Teaching	IIC Main body member
7	Dr. Nityananda Roy, HOD, BT Department	Teaching	IIC Main body member
8	Dr. Shanta Phani, HOD, CSE & IT Department	Teaching	IIC Main body member
9	Dr. Jyoti Sekhar Banerjee, HOD, CSE (AI & ML) Department	Teaching	IIC Main body member
10	Dr. Banani Roy Chowdhury	Teaching	Innovation Activity Coordinator
11	Prof. Debasish Pradhan	Teaching	Start-Up Activity Coordinator
12	Prof. Shovon Nandi	Teaching	Entrepreneurship Coordinator (joint)
13	Prof. Bulbul Mukherjee	Teaching	Entrepreneurship Coordinator (joint)
14	Prof. Antara Mukherjee	Teaching	Internship Activity Coordinator
15	Prof. Tripti Mazumder	Teaching	IPR Activity Coordinator
16	Prof. Gargi Dutta	Teaching	Social Media Coordinator
17	Prof. Shovon Nandi	Teaching	NIRF Coordinator
18	Prof. Bulbul Mukherjee	Teaching	NISP Coordinator
19	Prof. Sabyasachi Mukherjee	Teaching	IIC Calendar Activity Coordinator
20	Prof. Gargi Dutta	Teaching	MIC Activity Coordinator
21	Dr. Munshi Mustafi Zur Rahaman	Teaching	Self-Driven Activity Coordinator
22	Prof. Sudipta Dutta	Teaching	Adviser of IIC Calendar Activity Coordinator
23	Prof. Ajanta Palit	Teaching	Adviser of Self-Driven Activity cell
24	Prof. Dalia Sen	Teaching	
25	Prof. Rajesh Roy	Teaching	
26	Dr. Sutapa Roy Mishra	Teaching	
27	Dr. Siddhartha Roy	Teaching	

28	Prof. Abanti Dutta	Teaching	Team member of IIC Activity
29	Mrs. Sreyashi Mitra	Teaching	
30	Prof. Suchismita Paul	Teaching	
31	Prof. Biswajit Maity	Teaching	
32	Prof. Piyali Pradhan	Teaching	
33	Prof. Shib Shankar Sur	Teaching	
34	Prof. Debalina Dutta	Teaching	
35	Prof. Tuhina Chakraborty	Teaching	
36	Prof. Souvik Dey	Teaching	
37	Prof. Arpita Chakraborty	Teaching	
38	Prof. Suvojit Roy	Teaching	
39	Prof. Sukhendu Roy	Teaching	
40	Mr. Dwaipayan Chakraborty	Teaching	

#### 5 b). Details of council meeting:

<b>Council meeting</b>	<b>Date</b>	<b>Discuss in details</b>
1 <sup>st</sup>	24/10/2023	All members discussed on 24th September'23 the various activities (MIC-driven, IIC calendar, Celebration activity and Self-Driven) and features of IIC portal. They also discussed about formulation of IIC Team for the academic year 2023-2024; prepared and Planned of the list of events for the Quarter –1; discussed in detail on collaborations within and outside the institute to accelerate the activities of IIC; also discussed in detail about E Repository creation.
2 <sup>nd</sup>	23/11/2023	The Council members in the second meeting held on 23 <sup>th</sup> November'23 discussed and reviewed the progress of Quarter –I; Discussed and Planned the upcoming events for Quarter –II; Discussed in Detail on entrepreneurship cell, Suggested and Planned utilization of student resources more effectively.
3 <sup>rd</sup>	22/03/2024	The Council members in its third council meeting held on 22 <sup>nd</sup> March'24 discussed various issues emerged in the from the meeting of Quarter –II; Discussed and Planned about upcoming events of Quarter –III and Quarter IV; Discussed in detail on activities of entrepreneurship and IPR cell. Suggestions and Planning to utilize the alumni resources more effectively.
4 <sup>th</sup>	21/05/2024	The Council members in its fourth council meeting held on 21 <sup>st</sup> May'24 discussed various issues emerged from the



	<p>review and progress of the Quarter –III; Discussed and Planned on upcoming events of Quarter IV; Discussed in detail on activities of SDA, Calendar activity and Sp. Calendar activity cell for the Quarter III and upcoming Quarter IV. Suggestions and Planning of the upcoming events like Product Fair 2024 were also discussed.</p>
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### Few Snapshots of the council meeting:





## 6. Activities Conducted during the year 2023-2024:

A total of 46 activities conducted in the year 2023-24 in all 4 quarters including their details and date of conduct are listed below:

Sr. no.	Event details	Nature of Activity	Date of Conduct
1	Quarterly Meeting of IIC (1 <sup>st</sup> )	IIC	24/10/2023
2	Innovative-Ideathon: Empowering Tomorrow's Innovators via Catalysing Creativity and Collaboration	SDA	25/09/2023
3	Hackathon <b>Name of the judges:</b> Prof. JamunaKanti Sing Prof. Anupam Karmakar Prof. Subir Kumar Sarkar	Calendar activity	27/09/2023
4	Innovation/Technology Day	Celebration activity	09/11/2023
5	Quarterly Meeting of IIC (2 <sup>nd</sup> )	IIC	23/11/2023
6	Motivational Talk on the Aspects of Entrepreneurship and Innovation <b>Name of the Speaker:</b> Prof. Ajanta Palit	SDA	28/11/2023
7	An Innovative Session Through Hands-on Workshop on Linux System Administration <b>Name of the Speaker:</b> Mr. Partha Deb	SDA	04/01/2024
8	One Day Workshop on "System Administrator Entrepreneurship Through Linux Technological Innovation" <b>Name of the Speaker:</b> Mr. Partha Deb	SDA	05/01/2024
9	World Creativity and Innovation Day	Celebration activity	16/01/2024

10	Workshop on Consumer Product Designing- Herbal Tea <b>Name of the Speaker:</b> Dr. Banani Ray Chowdhury	<b>Calendar activity</b>	17/01/2024
11	Hands-On Workshop on "Consumer Products Packaging and Marketing Business Transformation <b>Name of the Speaker:</b> Dr. Banani Ray Chowdhury	<b>SDA</b>	18/01/2024
12	IoT: Pioneering Innovation In Building Bridges Between The Digital and Physical World. <b>Name of the Speaker:</b> Dr. Chinmoy Ghorai	<b>SDA</b>	19/01/2024
13	A Workshop on "Entrepreneurial Aspect of Arduino Uno Based Products <b>Name of the Speaker:</b> Mr. Sukhendu Roy	<b>SDA</b>	01/02/2024
14	Modelling: an integral part of entrepreneurship <b>Name of the Speaker:</b> Prof. Moutan Mukhopadhyay	<b>Calendar activity</b>	23/02/2024
15	Workshop on Design Phase: Path to Build Successful Products <b>Name of the Speaker:</b> Prof. Debalina Barik	<b>Calendar activity</b>	27/02/2024
16	Enabling Entrepreneurship: exploring the web development <b>Name of the Speaker:</b> Prof. Sudipta Dutta	<b>Calendar activity</b>	28/02/2024
17	Quarterly Meeting of IIC (3 <sup>rd</sup> )	<b>IIC</b>	22/03/2024
18	Seminar on Aduino <b>Name of the Speaker:</b> Prof. Shubhajit Bhoumick	<b>SDA</b>	27/03/2024
19	Exposure and Field Visit	<b>Calendar activity</b>	27/03/2024
20	Two days hands on workshop on advancement on Aduino uno <b>Name of the Speaker:</b> Prof. Shubhajit Bhoumick And Mr. Arnab Karmakar	<b>SDA</b>	27/03/2024 to 28/03/2024
21	Poster Making Competition to celebrate National Pollution Control Day Conservation Day Theme: "The journey to a Greener Future"	<b>Celebration activity</b>	20/04/2024
22	A Seminar on The Brain-Computer Interface: An Emerging Innovation In The Modern Era	<b>SDA</b>	23/04/2024



	<b>Name of the Speaker:</b> Prof. Gargi Dutta		
23	A Seminar on Antioxidant Compounds: An Overview, With Emphasis On Food Found In Cameroon <b>Name of the Speaker:</b> Dr. Fouelefack Francois Romain Senior Lecturer, Department of Biological Science, University Maroua, Cameroon	<b>SDA</b>	23/04/2024
24	A Seminar on Recent Trends in IT Industry <b>Name of the Speaker:</b> Mr. Arnab Neogi, Co-founder and CEO, Janus Ventures Inc.	<b>SDA</b>	25/04/2024
25	World Intellectual Property Day	<b>Celebration activity</b>	29/04/2024
26	A Seminar on Evolution of VLSI in The Present Context: Next Big Thing <b>Name of the Speaker:</b> Dr. Souvik Kundu, Product Engineer, Intel Corporation, USA	<b>SDA</b>	21/05/2024
27	A Seminar on Remote Sensing and Sustainability <b>Name of the Speaker:</b> Mr. Abhishek Roy Choudhury, Senior Scientist, TCS Research Lab	<b>SDA</b>	21/05/2024
28	A Hands-on Workshop on "Cyber Forensics" <b>Name of the Speaker:</b> Mr. Subhendu Chakraborty, Member and Technical Expert, Cyber Security Centre of Excellence, Department of IT and Electronics West Bengal	<b>SDA</b>	21/05/2024
29	Quarterly Meeting of IIC (4 <sup>th</sup> )	<b>IIC</b>	21/05/2024
30	Seminar Business Model Canvas	<b>Calendar activity</b>	25/06/2024
31	Achieving Value Proposition Fit Business Fit <b>Name of the Speaker:</b> Mr. Samrat Roy, Chief mentor, IMS Kolkata	<b>Calendar activity</b>	26/06/2024
32	Guiding Framework for Creating and Engaging Trained Faculty Innovation Ambassadors	<b>MIC Activity</b>	29/07/2024
33	Strengthening IIC Linkages with ATLs and SICs in Schools	<b>MIC Activity</b>	31/07/2024

34	Building the Pipeline of Quality Innovations and Start-ups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR)	<b>MIC Activity</b>	02/08/2024
35	Orientation cum Refreshers' Session on Institution's Innovation Council Objectives, Structure, Operation for IIC Institutions	<b>MIC Activity</b>	05/08/2024
36	World Environment Day	<b>Celebration activity</b>	06/08/2024
37	The Entrepreneurial opportunities in the Biotechnology.	<b>SDA</b>	08/08/2024
38	International Women's Day	<b>Celebration activity</b>	08/08/2024 to 09/08/2024
39	Poster presentation of business plans and linkage with experts	<b>Calendar activity</b>	08/08/2024 to 09/08/2024
40	Session on how to plan for start-ups and legal & ethical steps	<b>Calendar activity</b>	08/08/2024 to 09/08/2024
41	Poster presentation of start-ups and linkage with experts for mentorship support	<b>Calendar activity</b>	08/08/2024 to 09/08/2024
42	Session on lean start-up minimum viable product business	<b>Calendar activity</b>	08/08/2024 to 09/08/2024
43	Session with innovation and start-up ecosystem enablers from regional level	<b>Calendar activity</b>	08/08/2024 to 09/08/2024
44	start-up competition	<b>Calendar activity</b>	08/08/2024 to 09/08/2024
45	Quiz Event on "BioTrivia Challenge: Immerse yourself in Biotechnology!"	<b>SDA</b>	09/08/2024
46	World Entrepreneurs Day	<b>Celebration activity</b>	20/08/2024

## Photo Gallery of the Events:













## Some Important Events held at the Bengal Institute of Technology (September 2023 to August 2024)

### 1. EVENT NAME: Internal Hackathon

**Organized by: IIC-BIT 6.0**

**Date of event: 27/09/2023**

**Details of Judges:**

1. Prof. Jamuna Kanta Sing, Professor, Dept. of CSE, Jadavpur University
2. Prof. Anupam Karmakar, Professor (HoD), Dept. of Electronic Science, University of Calcutta
3. Prof. Subir Kumar Sarkar, Professor (ex HOD), Dept. of Electronics and Communication, Jadavpur University

**Event Photos:**



### 2. EVENT NAME: Motivational Talk on the Aspects of Entrepreneurship and Innovation

**Organized by: IIC-BIT 6.0**

**Date of event: 28/11/2023**

**Details of Speaker:** Prof. Ajanta Palit, Assistant Professor, Department of ECE, Bengal Institute of Technology

**Event Photos:**



**3. EVENT NAME:** An Innovative Session through Hands-on Workshop on Linux System Administration

**Organized by:** Department of CS and IT, BIT and IIC-BIT 6.0

**Date of event:** 04/01/2024

**Details of Speaker:** Mr. Partha Deb, Network Administrator, Bengal Institute of Technology

**Event Photos:**



**4. EVENT NAME:** An Innovative Session through Hands-on Workshop on Linux System Administration

**Organized by:** IIC-BIT 6.0

**Date of event:** 04/01/2024

**Details of Speaker:** Mr. Partha Deb, Network Administrator, Bengal Institute of Technology



### Event Photos:



### 5. EVENT NAME: Workshop on Consumer Product Designing- Herbal Tea

**Organized by: IIC-BIT 6.0**

**Date of event: 17/01/2024**

**Details of Speaker:** Dr. Banani Ray Chowdhury, Assistant Professor, Department of Biotechnology, Bengal Institute of Technology

### Event Photos:



### 6. EVENT NAME: IoT: Pioneering Innovation In Building Bridges Between The Digital and Physical World

**Organized by: IIC-BIT 6.0**

**Date of event: 19/01/2024**

**Details of Speaker:** Dr. Chinmoy Ghorai, Assistant Professor, Department of CSE, Jadavpur University

**Event Photos:**



**7. EVENT NAME:** Modelling; an integral part of entrepreneurship

**Organized by:** IIC-BIT 6.0

**Date of event:** 23/02/2024

**Details of Speaker:** Prof. Moutan Mukhopadhyay, Assistant Professor, Department of CSE & IT, Bengal Institute of Technology

**Event Photos:**



**8. EVENT NAME:** Workshop on Design Phase: Path to Build Successful Products

**Organized by:** IIC-BIT 6.0

**Date of event:** 27/02/2024

**Details of Speaker:** Prof. Debalina Barik, Assistant Professor, Department of CSE & IT, BIT



## Event Photos:



**9. EVENT NAME:** Seminar on “Recent Trends in IT Industry”

**Organized by:** IIC-BIT 6.0

**Date of event:** 25/04/2024

**Details of Speaker:** Arnab Neogi, Co-founder and CEO, Janus Ventures Inc.

## Event Photos:



**10. EVENT NAME:** A Hands-on Workshop on “Cyber Forensics”

**Organized by:** IIC-BIT 6.0

**Date of event:** 21/05/2024



**Details of Speaker:** Mr. Shubhendu Chakraborty, Dept. of IT and Electronics, Cyber Security Centre of Excellence,

**Event Photos:**



**11. EVENT NAME:** Seminar on “Evolution of VLSI in the Present Context: Next Big Thing”

**Organized by:** IIC-BIT 6.0

**Date of event:** 21/05/2024

**Details of Speaker:** Dr. Souvik Kundu, Product Engineer, Intel Corporation, USA

**Event Photos:**



**12. EVENT NAME:** Seminar on “Remote Sensing and Sustainability”

**Organized by:** IIC-BIT 6.0

**Date of event:** 21/05/2024

**Details of Speaker:** Mr. Abhishek Roy Chowdhury, Senior Scientist, TCS Research Lab, Kolkata

**Event Photos:**



**13. EVENT NAME:** Seminar on Business Model Canvas

**Organized by:** IIC-BIT 6.0

**Date of event:** 25/06/2024

**Details of Speaker:** Sravani Subramanyem, Face Prep

**Event Photos:**



**14. EVENT NAME:** Session on Achieving Value Proposition Fit and Business Fit

**Organized by:** IIC-BIT 6.0

**Date of event:** 26/07/2024

**Details of Speaker:** Mr. Samrat Roy, Chief Mentor, IMS Kolkata



### Event Photos:



**15. EVENT NAME:** “Innovative Projects and Highlighting Innovative Concepts”

**Organized by:** IIC-BIT 6.0

**Date of event:** 07/08/2024

**Details of Judges:** 1) Dr. AtanuKundu, Associate Professor, Dept. of Electronics and Communication Engineering, Deputy Controller of examinations of Heritage Institute of Technology, and Vice-chair, IEEE Kolkata Section

2) Dr. Buddhadev Pradhan, Assistant Professor, Techno India University, West Bengal

### Event Photos:



**16. EVENT NAME:** Poster presentation of start-ups and linkage with experts for mentorship support

**Organized by:** IIC-BIT 6.0

**Date of event:** 08/08/2024

**Details of Speaker:** Dr. Aminul Islam, CEO, Alona Life Sciences Pvt. Ltd. Sector V, Kolkata

**Event Photos:**



**17. EVENT NAME:** World Entrepreneurs Day Celebration

**Organized by:** IIC-BIT 6.0

**Date of event:** 20/08/2024

**Event Photos:**



**\*End of the report\***

**Prepared By:** Dr. Tapan Kumar Pal, President of IIC-BIT 6.0 and Prof. Sayanti Sinha, Convener of IIC-BIT 6.0

**Approved By:** Prof. (Dr) N. C Ghosh, Principal, Bengal Institute of Technology