



# TECHNO INTERNATIONAL NEW TOWN

(Formerly known as Techno India College of Technology)

Block - DG 1/1, Action Area 1, New Town, Kolkata - 700156, West Bengal, India

Contact: +91-33-2324-2050/2090/2091 • <https://tint.edu.in> • [info@tint.edu.in](mailto:info@tint.edu.in)

## Institution's Innovation Council (IIC): Formalizing Innovation and Entrepreneurship

TINT has distinguished itself in West Bengal by formalizing its innovation and entrepreneurship efforts through the National Innovation and Start-up Policy (NISIP) 2019. The Institution Innovation Council (IIC), established in 2021, fosters a structured culture of innovation, connecting with a national network of similar institutions. IIC-TINT regularly hosts workshops on entrepreneurship, AR/VR, DPRs, IPR, and motivational talks. Alumni entrepreneurs also share their experiences, offering valuable insights and inspiration to current students.

TINT was awarded **2-star rating** by the Innovation Cell of the Ministry of Education, Government of India, in 2021-22, and currently enjoys 2-star rating as an IIC Institute for the assessment year 2022-23.

<https://tint.edu.in/institution/tint-iic.html>

### *Certificates of Recognition from Innovation Cell, MoE, GoI*



### IIC Establishment Certificate



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IIC 2-star Achievement Certificate (2022-23)



IIC 2-star Achievement Certificate (2021-22)





## TINT-IIC Annual Reports

The Annual Closure Reports of IIC-TINT for the years 2021-22 and 2022-23 bear testimony to the rigorous culture of Innovation and Entrepreneurship that is prevalent at TINT.

## IIC Annual Report 2022-23

### Techno International New Town

#### A. About IIC Institute

- **Vision of IIC of Institute**

To Create World Class, sustainable Business incubation facility & innovation ecosystem that will nurture knowledge based, technologically enriched, socially relevant ventures creating economic impact on people in the region, state & nation at large.

- **Mission**

- Motivate aspiring entrepreneurs and to shape up their innovating ideas towards successful business models.
- Identify student innovators, promote and support them to evolve self-sustaining business models.
- Collaborate with world class technical and commercialization experts and bring them on Platform through, awareness, trainings, coaching and mentoring programs.
- Forging strong active partnerships with local Industry partners.
- Provide best in class infrastructure, advisory & investment Support.
- Impart a supportive and vibrant environment.
- To introduce the concept of entrepreneurship in curricula at degree level.

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

IIC, Techno International New Town (TINT) has started the Journey since 2020-21. The institute previously had an entrepreneurship cell to undertake the I&E activities in the Institute. The prevailing system was reformed and IIC was formed as per the provision laid by the MIC on 16.7.2021. A council was formed under the leadership of the president as per guideline for proper functioning of IIC.



IIC, TINT got an opportunity work in IIC 3.0 and IIC 4.0 versions. During this one year, the council has participated in different activities as per the recommendation of MIC, which is listed below.

- Four (4) IIC calendar activities
- Five (5) MIC driven activities
- Seven (7) self-driven activities

➤ Six (6) Celebration activities

IIC, TINT got a chance to arrange IMPACT LECTURE series and successfully arranged two IMPACT LECTURE series and submitted the document as per the guideline in IIC 4.0

About Seventeen (17) faculty members of IIC, TINT got a chance for Innovation Ambassador in two stages. Nine (9) of them has completed the advance Level training and eight (8) in Advance Level.

- According to the performance of IIC, TINT session 2021-2022 the MIC pleased to grant 2 star rating. This recognition from the authority has inspired the IIC of Techno International New Town perform even more better in IIC 5.0



- The Institute hosted the final round of Smart India Hackathon in software category this year during 25.8.22 to 26.8.22. IIC, TINT took a leading role in the event.
- In this assessment year of **IIC5.0** IIC, TINT have arranged
  - 5 IIC Calendar activities
  - 7 Self driven activities
  - 5 MIC driven activities
  - 8 Celebration activities.

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

IIC, TINT has established the council with representation from different fields of concern.

The council has a representation of many departments and committees including teaching and non-teaching members, student members and external members from various industries including Law, Student Start-ups, Banks and Software. IIC, TINT also has a learned advisory panel. The panel consists of higher officials from universities, industrial and innovation parks, department of science and technology, department of law and commercial chambers.

## B. Brief mention of key functionaries at the IIC Institute

President

**Prof. (Dr) Radha Tamal Goswami**

Director, Techno International New Town

Vice President

**Dr. Abhijit Patra**

Associate Professor, Department of Mechanical Engineering

Techno International New Town

Convenor

**Dr. Sanjoy Das Neogi**



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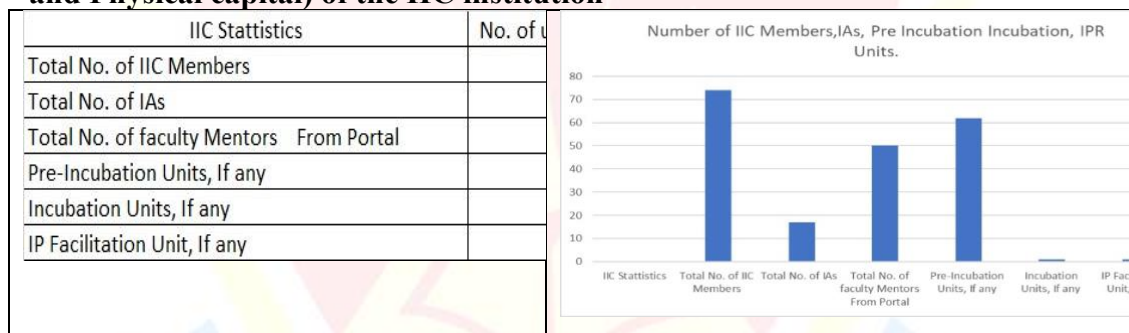
Coordinators

Associate Professor, Department of Civil Engineering

Techno International New Town

- I. **Dr. Subhankar Bhattacharjee**  
Innovation Activity Coordinator
- II. **Dr. Partha Pratim Chakrabarty**  
Start-up Activity Coordinator
- III. **Soumya Kanti Das**  
Internship Coordinator
- IV. **Dr. Papiya Debnath**  
IPR Activity Coordinator
- V. **Swagata Paul**  
Social Media Coordinator
- VI. **Dr. Satyabrata Maity**  
ARIIA Coordinator
- VII. **Anindita Chakrabarti**  
NIRF Coordinator

## C. Portfolio/Graphical/Tabular representation of Resource strength (human capital 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.

**Incubation-** The establishment of Incubation and pre-incubation cell at Techno International Newtown has been conceptualized to imbibe the Innovation and Entrepreneurship culture among the young minds and to promote and sustain innovations right from the generation of idea to the development of the start-up. The main aim is to shape next generation entrepreneurs. The incubator will provide a defined set of services to individuals or small companies. This may include flexible lease terms, specific office space, access to technology, technical assistance, and financing. The technical assistance might include marketing, legal, finance, HR, and other business development services. The Incubator will play a critical role in promoting knowledge transfer by locating similar or complementary entities in close proximity to each other. The cell will ensure that there will be minimal financial risk to young entrepreneurs.



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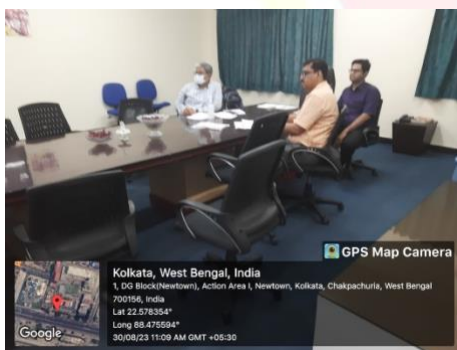
**Aim** of this incubation center is,

- To encourage the students and faculty members with innovative ideas and develop these ideas into commercial products and bridging the gap between Industry and Academia.
- At the same time support will be given to protect the ideas of the students and scientists as patents.

## Pre-incubation

All the departmental laboratories act as Pre-Incubation unit. The Institute have following laboratories in different departments.

Name of department	Numbers of Laboratory	Approximate carpet area per laboratory (m <sup>2</sup> )
Computer science & Engineering	8	66
Electronics & Communication Engineering	12	66
Mechanical Engineering	10	66
Electrical Engineering	10	66
Civil Engineering	8	66
Masters' in Computer Application	2	66
Applied Electronics & Instrumentation Engineering	5	66
Basic Science & Humanities	4	66
Information Technology	3	66



Techno International New Town is also working as a business incubation centre of MSME and hosted MSME Idea Hackathon 3.0 which was arranged for women entrepreneur and women owned MSME across INDIA on 30.08.2023. 11 am onwards

## A. Students Clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

- i) Science and Technology Club (Genesis)- Promotes and arranges inter-disciplinary projects in the college.
- ii) Coding club- This club inculcate coding among the students and use to arrange coding challenges intra or inter college level





iii) Management Club- Management club is a student-driven initiative that collaborates with both the corporate and academia for both the UG and PG Students. The office bearers will be elected for organizing the several events and the students will be divided into groups each consisting of 10-11 members.

The basic objectives of conducting the Management club activities are:

- a. To impart skills for the development and enhancement of the personality of students.
- b. To improve communication skills and decision-making power.
- c. To enhance the spirit of competition among the students.
- d. To increase awareness regarding the business world.
- e. To enhance the participation level among the students.

## Highlight Achievements (Narrative/Graphical/tabular representation)

### • Number and Different types of I&E and IPR activities Conducted

**Five (5) IIC calendar activities** including Developing Online Repository of Ideas Developed and Way forward plan, Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for membership support, Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs and Session on Accelerators/ Incubation – Opportunities for Student and Faculties – Early Stage Entrepreneurs.

**Five (5) MIC driven activities** including Orientation Session on IIC 5.0 & Features, Creation of e-Repository of e-Learning Session on I&E at IIC Institute, IIC Annual Report 2022-23, Building Institute Level YUKTI – National Innovation Repository (NIR), Participation of Yukti Innovation challenge along with Nine (9) Innovative ideas. Students also participated in MSME Idea competition hosted by IIM Joka.

**Seven (7) self-driven activities** including One Week Workshop on IoT (Hands on project), Innovative Science Hacathon, Business Idea Competition, International Education Day, Exhibition on Fine arts and its business proposal etc.

**Six (8) Celebration activities** including National Education Day, National Innovation Day, National Science Day, National Youth Day, World Creativity and Innovation Day, World Entrepreneurship Day, World Environment Day, Celebrating 76 Years of Independence -Azadi Ka Amritkal.

### Two (2) IPR activity

- No. of student's & faculty ideas generated = 72
- No. of student's & faculty Innovation/prototypes developed = 35
- No. of IPs generated, published and granted = 16
- No. of Student & Faculty Start-ups/Ventures established.=0
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus = Rs.196500
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR = 0
- No. of Technology Transfer and Commercialisation happened = 0



**B. Highlight few best IIC Faculty/Student members and their achievements/  
Rewarded for the innovations at different forum  
[Profile of few faculties with 2-3 line of their achievements]**

SPIRIT-TREX (Second Runners up in  
SIH 2022)

Koustav Paul  
Nadish Bara  
Shaimanti Das  
Nabonita Sen  
Krishnendu Roy  
Angana Dasgupta

Mentor1: Prof. Sushma  
Verma (Faculty)

Mentor 2: Dr. Debaparna Sengupta  
(Faculty)

AVIDIPTA (Finalists in SIH 2022)

Arkaprava Sahana  
Sayanta Biswas  
Anish Chakraborty

Nakshatra Sarkar

Sammilita De

Sabuj Chowdhury

Mentor: Prof. Arabindo  
Chandra (Faculty)

CODEVERSE (Finalist software  
Version)

Rik Biswas

Srinjoy Ghosh

Debangi Nag

Raisa Alam

Akansha Prasad

Subhabrata Mallick

Prof. Shiladitya Munshi (Faculty)

NO-WAY-HOME (Finalist software  
Version)

Deep Chakraborty

Sahel Bej

Priya Roy

Rishav Mukharjee

Harshika Singh

Deep Agarwal

Dr. Satyabrata Maity(Faculty)

SIH Final round Organized by the Institute

Prof. Kamalesh Karmakar(SPOC)

Dr. Subhankar BhattaCharjee

Prof. Swagata Paul

Prof. Sourav Mahapatra

Dr. Sanjoy Das Neogi

Dr. Papiya Debnath





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

1. **Title of the Project:** Plastic Waste to Fuel
2. **Name of the Inventor:**  
Students Name: Aniruddha Hazari (Roll No: 18700321010, Soumyajit Bhowmick (Roll No: 18700321028), Ritam Paul (Roll No: 18700321010)  
Mentors Name: Prof. Partha Pratim Chakrabarty & Prof. Bablu Maity
3. **Contact number:** 9339861305, 9734285940
4. **Email id:**  
Student Mail id: [aniruddhahazari02@gmail.com](mailto:aniruddhahazari02@gmail.com)  
Mentor mail id: [that.is.partha@gmail.com](mailto:that.is.partha@gmail.com) & [bablu.maity@tict.edu.in](mailto:bablu.maity@tict.edu.in)
5. **Address:** 1/1, Service Rd, DG Block (Newtown), Action Area I, Newtown, Chakpachuria, West Bengal 700156
6. **Name of Institute/ University (If any):** Techno International New Town
7. **Abstract of the proposed Invention:**  
Nowadays everyone needs fuel for various activities, but the rising cost of fuel has marked their consumption within limited limits. Since, through this method we have been able to produce a large amount of fuel with less wastage. This project is one time investment project. Once manufactured in industry only plastic waste is required for fuel generation and in present scenario there is no scarcity of plastic waste in our society, so it is easy for us to generate fuel. In this project we have an innovative part that makes us stand out from the existing ones. The main question that arises in everyone's mind in this type of project is the amount of output compared to the input. Here we are using D<sub>2</sub>O with input wastage by which we are getting large amount of product results. Using this method, we can get approximate 50/50 result from wasted input.

## D. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

NIL

## E. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

- i) IoT based Bridge Health Monitoring Device (Team Lead – Dr Sanjoy Das Neogi)  
With this device the stress strain history of a bridge could be recorded. Fracture of the bridge structure can also be located. The project was funded with Rs 2 Lakhs DST. GoI.

## F. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

- ARIIA – participation  
(<https://www.ariia.gov.in/Ranking/2021/Index.html#divPharmacyRanking>)
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
- Smart India Hackathon-
  - Participation- 2 teams in software version 2 teams in hardware version (Finalist)
  - Winner – 1 team 2<sup>nd</sup> runner-up in Hardware version



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➤ Hosted the grand-finale of SIH software version 2022

## G. Detail of Social Media & Connections of IIC institute

Facebook: <https://www.facebook.com/iic.tint>

Instagram: <https://www.instagram.com/iictint/>

Twitter: <https://twitter.com/home>

## H. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

**“Good and supportive”**-Dr. R.T.Goswami – Director, Techno International New Town; President, IIC, TINT.

Dr. Abhijit Patra- Associate Professor, ME Department, TINT; Vice President, IIC, TINT.

**“Creating Entrepreneurial ecosystem”**-Dr. Sanjoy Das Neogi- Associate Professor, CE Department, TINT; Convenor, IIC, TINT.

**“Insightful and Informative IIC events”**-Prof. Ipsita Ghatak- Assistant Professor, MBA Department, TINT; BI-In charge, IIC, TINT.

**“Happy to be part of IIC”**-Prof. Susma Verma- Assistant Professor, EE Department, TINT; Member, IIC, TINT.

**“IIC IPR activities are very important for Institutes ”**-Dr. Papiya Debnath- Associate Professor, BSH Department, TINT; IPR In charge, IIC, TINT.

Mr. Subhajit Maitra- BSH Department, TINT; Member, IIC, TINT.

Prof. Abhijit Bhagat- Assistant Professor, AEIE Department, TINT; Member, IIC, TINT.

Prof. Sarbani Dasgupta- Assistant Professor, MCA Department, TINT; Member, IIC, TINT.

Prof. Nantu Das- Assistant Professor, AEIE Department, TINT; Member, IIC, TINT.

Prof. Ardhendu Shekhar Biswas- Assistant Professor, ECE Department, TINT; Member, IIC, TINT.

Prof. Arindam Roy Goswami- Assistant Professor, ME Department, TINT; Member, IIC, TINT.

Dr. Subhankar Bhattacharjee- Associate Professor, ECE Department, TINT; Innovation Co-ordinator, IIC, TINT.

Prof. Kamallesh Karmakar- Assistant Professor, CSE Department, TINT; Member, IIC, TINT.

Dr. Partha Pratim Chakraborty- Assistant Professor, BSH Department, TINT; Start-up Activity Co-ordinator, IIC, TINT.

Ms. Anindita Chakravarthy- HR Department, TINT; NIRF Co-ordinator, IIC, TINT.

Prof. Sourav Mahapatra- Assistant Professor, IT Department, TINT; Member, IIC, TINT.

Dr. Satyabrata Maity- Associate Professor, IT Department, TINT; ARIIA Co-ordinator, IIC, TINT

Prof. Swagata Paul- Assistant Professor, CSE Department, TINT; Social media Co-ordinator, IIC, TINT.

Mr. Sandipan Ghosal – Department of CSE ; Memeber

Mr. Soumya Kanti Das – Training and Placement Officer, TINT; Internship Co-ordinator, TINT.

ESTD. 2005

## I. Images

			
<b>Dr. R.T. Goswami</b>	<b>Dr. Abhijit Patra</b>	<b>Dr. Sanjoy Das Neogi</b>	<b>Prof. Ipsita Ghatak</b>
			
<b>Prof. Susma Verma</b>	<b>Dr. Papiya Debnath</b>	<b>Mr. Subhajit Maitra</b>	<b>Prof. Abhijit Bhagat</b>
			
<b>Prof. Sarbani Dasgupta</b>	<b>Prof. Nantu Das</b>	<b>Prof. Ardhendu Shekhar Biswas</b>	<b>Prof. Arindam Roy Goswami</b>
			
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## J. Contact

- K. Dr. R.T.Goswami – Director, Techno Internation - [rtgoswami@tict.edu.in](mailto:rtgoswami@tict.edu.in)  
L. Dr. Abhijit Patra- Associate Professor, ME Department - [abhijit.patra@tict.edu.in](mailto:abhijit.patra@tict.edu.in)  
M. Dr. Sanjoy Das Neogi- Associate Professor, CE Department- [sanjoy.das.neogi@tict.edu.in](mailto:sanjoy.das.neogi@tict.edu.in)  
N. Prof. Ipsita Ghatak- Assistant Professor, MBA Department, TINT- [ipsita.ghatak@tict.edu.in](mailto:ipsita.ghatak@tict.edu.in)  
O. Prof. Susma Verma- Assistant Professor, EE Department, TINT- [sushma.verma1976@gmail.co](mailto:sushma.verma1976@gmail.co)  
P. Dr. Papiya Debnath- Associate Professor, BSH Department, [papiya.debnath@tict.edu.in](mailto:papiya.debnath@tict.edu.in)  
Q. Mr. Subhajit Maitra- BSH Department, TINT, [subhajit.maitra@tict.edu.in](mailto:subhajit.maitra@tict.edu.in)  
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T. Prof. Nantu Das- Assistant Professor, [dasnantu31@gmail.com](mailto:dasnantu31@gmail.com)  
U. Prof. Ardhendu Shekhar Biswas- Assistant Professor, ECE Department [a\\_s\\_biswas@yahoo.co.in](mailto:a_s_biswas@yahoo.co.in)  
V. Prof. Arindam Roy Goswami- Assistant Professor, ME Department [arindam.jgec.ckt@gmail.com](mailto:arindam.jgec.ckt@gmail.com)  
W. Dr. Subhankar Bhattacharjee- Associate Professor, ECE Department [subhankarb42002@gmail.com](mailto:subhankarb42002@gmail.com)  
X. Dr. Syamasree Biswas Raha - Assistant Professor, EE Department, TINT , [syamasree.raha@tict.edu.in](mailto:syamasree.raha@tict.edu.in)  
Y. Dr. Partha Pratim Biswas- Assistant Professor, BSH Department, TINT [that.is.partha@gmail.com](mailto:that.is.partha@gmail.com)  
Z. Ms. Anindita Chakravarthy- HR Department, TINT [anindita.chakrabarti@tict.edu.i](mailto:anindita.chakrabarti@tict.edu.i)  
AA. Prof. Sourav Mahapatra- Assistant Professor, IT Department, [arindam.jgec.ckt@gmail.com](mailto:arindam.jgec.ckt@gmail.com)  
BB. Dr. Satyabrata Maity- Associate Professor, IT Department, TINT- [satyabrata.maity@gmail.com](mailto:satyabrata.maity@gmail.com)  
CC. Prof. Swagata Paul- Assistant Professor, CSE Department, [sswagata.paul@tict.edu.in](mailto:sswagata.paul@tict.edu.in)  
DD. Mr. Sandipan Ghosal – Department of CSE, [sandipan.ghosal@tict.edu.in](mailto:sandipan.ghosal@tict.edu.in)  
EE. Mr. Soumya Kanti Das – Training and Placement Officer, [tictplacementcell@yahoo.com](mailto:tictplacementcell@yahoo.com)



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ARIIA Coordinator

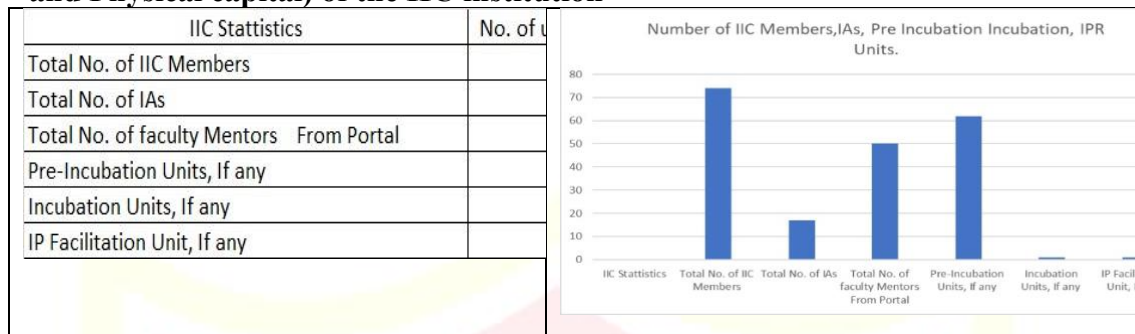
**XIV. Anindita Chakrabarti**





NIRF Coordinator

### C. Portfolio/Graphical/Tabular representation of Resource strength (human capital 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.

**Incubation-** The establishment of Incubation and pre-incubation cell at Techno International Newtown has been conceptualized to imbibe the Innovation and Entrepreneurship culture among the young minds and to promote and sustain innovations right from the generation of idea to the development of the start-up. The main aim is to shape next generation entrepreneurs. The incubator will provide a defined set of services to individuals or small companies. This may include flexible lease terms, specific office space, access to technology, technical assistance, and financing. The technical assistance might include marketing, legal, finance, HR, and other business development services. The Incubator will play a critical role in promoting knowledge transfer by locating similar or complementary entities in close proximity to each other. The cell will ensure that there will be minimal financial risk to young entrepreneurs.

**Aim** of this incubation center is,

- To encourage the students and faculty members with innovative ideas and develop these ideas into commercial products and bridging the gap between Industry and Academia.
- At the same time support will be given to protect the ideas of the students and scientists as patents.

#### Pre-incubation

All the departmental laboratories act as Pre-Incubation unit. The Institute have following laboratories in different departments.

Name of department	Numbers of Laboratory	Approximate carpet area per laboratory (m <sup>2</sup> )
Computer science & Engineering	8	66
Electronics & Communication Engineering	12	66
Mechanical Engineering	10	66
Electrical Engineering	10	66
Civil Engineering	8	66
Masters' in Computer Application	2	66



Applied Electronics & Instrumentation Engineering	5	66
Basic Science & Humanities	4	66
Information Technology	3	66

## A. Students Clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

- iv) Science and Technology Club (Genesis)- Promotes and arranges inter-disciplinary projects in the college.
- v) Coding club- This club inculcate coding among the students and use to arrange coding challenges intra or inter college level
- vi) Management Club- Management club is a student-driven initiative that collaborates with both the corporate and academia for both the UG and PG Students. The office bearers will be elected for organizing the several events and the students will be divided into groups each consisting of 10-11 members.  
The basic objectives of conducting the Management club activities are:
  - a. To impart skills for the development and enhancement of the personality of students.
  - b. To improve communication skills and decision-making power.
  - c. To enhance the spirit of competition among the students.
  - d. To increase awareness regarding the business world.
  - e. To enhance the participation level among the students.

## Highlight Achievements (Narrative/Graphical/tabular representation)

### • Number and Different types of I&E and IPR activities Conducted

**Four (4) IIC calendar activities** including Developing Online Repository of Ideas Developed and Way forward plan, Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for membership support, Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs and Session on Accelerators/ Incubation – Opportunities for Student and Faculties – Early Stage Entrepreneurs.

**Six (6) MIC driven activities** including Orientation Session on IIC 4.0 & Features, Creation of e-Repository of e-Learning Session on I&E at IIC Institute, IIC Annual Report 2021-22, Building Institute Level YUKTI – National Innovation Repository (NIR), Participation of IIC Institution in IIC Regional Meets, Out of the box thinking for problem solving

**Seven (7) self-driven activities** including Workshop on Creating Awareness on Intellectual Property Rights, Workshop on Opportunities on AR/VR Whats coming Post Covid, Success Story of Our Entrepreneurs, Workshop on detailed project report preparation, Awareness Program on the policy of NISP, Business Idea Competition, Workshop of Innovation, Entrepreneurship and IPR, Workshop on Entrepreneurship.

**Six (6) Celebration activities** including National Technology Day, World Intellectual Property Day, World Earth Day, Innovation & Entrepreneurship in HEIs for Aatmanirbhar Bharat & Celebrating 75 Years of Independence -Azadi Ka Amrit Mahotsav, World Entrepreneurs Day and World Environment Day.

**Three (3) IPR activity** includes Workshop on Innovation, Entrepreneurship and IPR, World Intellectual Property Day, Workshop on Creating Awareness on Intellectual Property Rights



- No. of student's & faculty ideas generated = 55
- No. of student's & faculty Innovation/prototypes developed = 23
- No. of IPs generated, published and granted = 0
- No. of Student & Faculty Start-ups/Ventures established.=3
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus = Rs.75800
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR = 0
- No. of Technology Transfer and Commercialisation happened = 0

**B. Highlight few best IIC Faculty/Student members and their achievements/  
Rewarded for the innovations at different forum  
[Profile of few faculties with 2-3 line of their achievements]**

SPIRIT-TREX (Second Runners up in SIH 2022)

Koustav Paul  
Nadish Bara  
Shaimanti Das  
Nabonita Sen  
Krishnendu Roy  
Angana Dasgupta

Mentor1: Prof. Sushma Verma (Faculty)

Mentor 2: Dr. Debaparna Sengupta (Faculty)

AVIDIPTA (Finalists in SIH 2022)

Arkaprava Sahana  
Sayanta Biswas  
Anish Chakraborty  
Nakshatra Sarkar  
Sammilita De

Sabuj Chowdhury

Mentor: Prof. Arabindo Chandra (Faculty)

CODEVERSE (Finalist software Version)

Rik Biswas  
Srinjoy Ghosh  
Debangi Nag

Raisa Alam

Akansha Prasad

Subhabrata Mallick

Prof. Shiladitya Munshi (Faculty)

NO-WAY-HOME (Finalist software Version)

Deep Chakraborty  
Sahel Bej

Priya Roy

Rishav Mukharjee

Harshika Singh

Deep Agarwal

Dr. Satyabrata Maity(Faculty)





SIH Final round Organized by the Institute

Prof. Kamalesh Karmakar(SPOC)

Dr. Subhankar BhattaCharjee

Prof. Swagata Paul

Prof. Sourav Mahapatra

Dr. Sanjoy Das Neogi

Dr. Papiya Debnath

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

8. **Title of the Project:** Plastic Waste to Fuel

**9. Name of the Inventor:**

Students Name: Aniruddha Hazari (Roll No: 18700321010, Soumyajit Bhowmick (Roll No: 18700321028), Ritam Paul (Roll No: 18700321010)

Mentors Name: Prof. Partha Pratim Chakrabarty & Prof. Bablu Maity

10. **Contact number:** 9339861305, 9734285940

**11. Email id:**

Student Mail id: [aniruddhahazari02@gmail.com](mailto:aniruddhahazari02@gmail.com)

Mentor mail id: [that.is.partha@gmail.com](mailto:that.is.partha@gmail.com) & [bablu.maity@tict.edu.in](mailto:bablu.maity@tict.edu.in)

12. **Address:** 1/1, Service Rd, DG Block (Newtown), Action Area I, Newtown, Chakpachuria, West Bengal 700156

13. **Name of Institute/ University (If any):** Techno International New Town

**14. Abstract of the proposed Invention:**

Nowadays everyone needs fuel for various activities, but the rising cost of fuel has marked their consumption within limited limits. Since, through this method we have been able to produce a large amount of fuel with less wastage. This project is one time investment project. Once manufactured in industry only plastic waste is required for fuel generation and in present scenario there is no scarcity of plastic waste in our society, so it is easy for us to generate fuel. In this project we have an innovative part that makes us stand out from the existing ones. The main question that arises in everyone's mind in this type of project is the amount of output compared to the input. Here we are using D<sub>2</sub>O with input wastage by which we are getting large amount of product results. Using this method, we can get approximate 50/50 result from wasted input.

**D. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name**

**1. Yogpose (Team Lead – Prof. Shiladitya Munshi)**

Now a days, people have become more health conscious but at the same time, they have become more busy in their hectic daily schedule, hence, even if a large section of health conscious people want to practice yoga, they hardly find any time to visit a human Yoga trainer periodically and regularly. We have taken it as a pain point and our solution tries to



address this pain point by offering an artificially intelligent yoga training app. Hence Yogapose has a right problem solution fit

## 2. **Intello (Team Lead – Prof. Shiladitya Munshi)**

As per report, it is alarming that 42.5% of the employees in the private sector of India suffers from depression or some form of anxiety disorder. The poor mental health condition is impacting with a huge loss of \$1 Trillion per year. In this background the Intello offers a PsychoInformatics solution to the Indian corporate world which would provide a detailed Psychological Portfolio of an organization by applying Affective Computing and Artificial Intelligence enabled Analytic.

## 3. **Charzedev (Krishna Mohan UG. Student)**

At current scenario ,Lack of availability of universal charger ( Made in India)-which is acceptable for all EV manufacturer ) available in the market today . It will be benefited by the consumers of EV in locally after that it will be distributed throughout India (through sales channel)

## E. **List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation**

Intello (Team Lead – Prof. Shiladitya Munshi)

As per report, it is alarming that 42.5% of the employees in the private sector of India suffers from depression or some form of anxiety disorder. The poor mental health condition is impacting with a huge loss of \$1 Trillion per year. In this background the Intello offers a PsychoInformatics solution to the Indian corporate world which would provide a detailed Psychological Portfolio of an organization by applying Affective Computing and Artificial Intelligence enabled Analytic.

## F. **Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs**

- ARIIA – participation and Rank –Band Performer (<https://www.ariia.gov.in/Ranking/2021/Index.html#divPharmacyRanking>)
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
- Smart India Hackathon-
  - Participation- 2 teams in software version 2 teams in hardware version (Finalist)
  - Winner – 1 team 2<sup>nd</sup> runner-up in Hardware version
  - Hosted the grand-finale of SIH software version 2022

## G. **Detail of Social Media & Connections of IIC institute**

Facebook: <https://www.facebook.com/iic.tint>

Instagram: <https://www.instagram.com/iictint/>

Twitter: <https://twitter.com/home>

## H. **Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell**

“Good and supportive”-Dr. R.T.Goswami – Director, Techno International New Town; President, IIC, TINT.

Dr. Abhijit Patra- Associate Professor, ME Department, TINT; Vice President, IIC, TINT.

“Creating Entrepreneurial ecosystem”-Dr. Sanjoy Das Neogi- Associate Professor, CE Department, TINT; Convenor, IIC, TINT.



# TECHNO INTERNATIONAL NEW TOWN

(Formerly known as Techno India College of Technology)

Block - DG 1/1, Action Area 1, New Town, Kolkata - 700156, West Bengal, India

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**“Insightful and Informative IIC events”**-Prof. Ipsita Ghatak- Assistant Professor, MBA Department, TINT; BI-In charge, IIC, TINT.

**“Happy to be part of IIC”**-Prof. Susma Verma- Assistant Professor, EE Department, TINT; Member, IIC, TINT.

**“IIC IPR activities are very important for Institutes ”**-Dr. Papiya Debnath- Associate Professor, BSH Department, TINT; IPR In charge, IIC, TINT.

Mr. Subhajit Maitra- BSH Department, TINT; Member, IIC, TINT.

Prof. Abhijit Bhagat- Assistant Professor, AEIE Department, TINT; Member, IIC, TINT.

Prof. Sarbani Dasgupta- Assistant Professor, MCA Department, TINT; Member, IIC, TINT.

Prof. Nantu Das- Assistant Professor, AEIE Department, TINT; Member, IIC, TINT.

Prof. Ardhendu Shekhar Biswas- Assistant Professor, ECE Department, TINT; Member, IIC, TINT.

Prof. Arindam Roy Goswami- Assistant Professor, ME Department, TINT; Member, IIC, TINT.

Dr. Subhankar Bhattacharjee- Associate Professor, ECE Department, TINT; Innovation Co-ordinator, IIC, TINT.

Prof. Kamalesh Karmakar- Assistant Professor, CSE Department, TINT; Member, IIC, TINT.

Dr. Partha Pratim Chakraborty- Assistant Professor, BSH Department, TINT; Start-up Activity Co-ordinator, IIC, TINT.

Ms. Anindita Chakravarthy- HR Department, TINT; NIRF Co-ordinator, IIC, TINT.

Prof. Sourav Mahapatra- Assistant Professor, IT Department, TINT; Member, IIC, TINT.

Dr. Satyabrata Maity- Associate Professor, IT Department, TINT; ARIIA Co-ordinator, IIC, TINT

Prof. Swagata Paul- Assistant Professor, CSE Department, TINT; Social media Co-ordinator, IIC, TINT.

Mr. Sandipan Ghosal – Department of CSE ; Memeber

Mr. Soumya Kanti Das – Training and Placement Officer, TINT; Internship Co-ordinator, TINT.

ESTD. 2005



## I. Images

			
<b>Dr. R.T.Goswami</b>	<b>Dr. Abhijit Patra</b>	<b>Dr. Sanjoy Das Neogi</b>	<b>Prof. Ipsita Ghatak</b>
			
<b>Prof. Susma Verma</b>	<b>Dr. Papiya Debnath</b>	<b>Mr. Subhajit Maitra</b>	<b>Prof. Abhijit Bhagat</b>
			
<b>Prof. Sarbani Dasgupta</b>	<b>Prof. Nantu Das</b>	<b>Prof. Ardhendu Shekhar Biswas</b>	<b>Prof. Arindam Roy Goswami</b>
			
<b>Dr. Subhankar Bhattacharjee</b>	<b>Prof. Kamalesh Karmakar</b>	<b>Dr. Partha Pratim Chakraborty</b>	<b>Ms. Anindita Chakravarthy</b>
			
<b>Prof. Sourav Mahapatra</b>	<b>Dr. Satyabrata Maity</b>	<b>Prof. Swagata Paul</b>	<b>Mr. Soumya Kanti Das</b>



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