



# Workshop on how to plan for Start-up and Legal and Ethical Steps

Organized by  
IIC-HITK in collaboration with IIC-HBS,  
in association with Dept. of Chemical Engineering ,HITK -  
EDIC CLUB. Supported by IQAC-HITK

DATE: 3rd May,2024

TIME: 3 PM onwards

GUEST SPEAKERS



**Mr. Joy Das Mahapatra**  
Co Founder - Osiris Environ  
Solutions Pvt. Ltd



**Prof. (Dr.) Santanu Mitra,**  
Heritage Law College

## TEACHER COORDINATORS :

**Dr. Avijit Ghosh**  
**Dr. Nandan Kumar Jana**  
**Dr. Sangita Bhattacharya**  
**Prof. Deepmalya Mukherjee**

## STUDENT COORDINATORS :

**Srinjoy Sadhukhan (ECE, 3rd)**  
**Samraj Banik (CSE, 3rd)**  
**Mohit Kumar Saha (ECE,2nd)**

Gmeet link-meet.google.com/dsq-qeon-xut



**Faculty Development Program**  
on  
*Design Thinking & Idea Lab*

*Organized by:*  
Department of ECE  
Heritage Institute of Technology, Kolkata  
Supported by IQAC- HITK

9th May - 17th  
May, 2024  
ICT 602  
10 AM onwards



**Heritage Institute of Technology**  
(An Autonomous Institute under MAKAUT, WB)  
**Electronics and Communication Engineering Department**

**Report**

**FDP on Design Thinking and Idea Lab**

Academic Year	2023-2024
Program driven by	ECE Department, HITK
Program Supported by	IQAC-HITK
Event Name	Faculty Development Program on Design Thinking and Idea Lab
Event Date	09/05/2024 to 16/05/2024
Number of Student Participants	20
Number of Faculty Participants	20
Number of Expert Participants, If Any	05
Expenditure, If Any	
Mode of Program Execution (online/offline)	Hybrid
Objectives	<ol style="list-style-type: none"><li>1. Development of new ways of creative thinking and learning of the innovation cycle of Design Thinking process for developing innovative marketable products.</li><li>2. Exposure to the appropriate frameworks, strategies, techniques during prototype development</li><li>3. Outline necessary skills to build useful and standalone system/ project with enclosures.</li><li>4. Develop and deploy the testing skills needed for each product.</li></ol>
Benefits in terms of learning/skill/knowledge development	Fundamental knowledge about <ul style="list-style-type: none"><li>✓ Design thinking related process</li><li>✓ Arduino Programming</li></ul>
Program Coordinator (s)	Prof. (Dr.) Anindya Sen Prof. (Dr.) Shibsankar Bhowmick Prof.(Dr.) Shounak Dasgupta



**Heritage Institute of Technology**  
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**Electronics and Communication Engineering Department**



*Prof. Probin Banerjee*

Prof. Probin Banerjee

Head, ECE Department

HOD, ECE Department  
Heritage Institute of Technology  
Kolkata



# HERITAGE INSTITUTE OF TECHNOLOGY

(An Autonomous Institute affiliated to MAKAUT, Accredited with "A" grade by NAAC)

## ROBOTICS CLUB ORGANIZES

A Tech-Talk on

**Reliable Automation with Advancements in Text and Image Understanding**

Supported By-IQAC, HITK



*Speaker*

**DR. PARTHA BASUCHOWDHURI**

Associate Professor

School of Mathematical & Computational Sciences  
Indian Association for the Cultivation of Science (IACS)



**26th April, 2024**

**2:00 PM**

**CB Executive Hall**

• [www.heritageit.edu](http://www.heritageit.edu) •



# HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA

(An Autonomous Institute affiliated to MAKAUT; Accredited with "A" grade by NAAC)

Institution's Innovation Council (IIC-HITK) in association with IQAC-HITK

Organizes

Expert Session on Business Model Canvas (BMC)



**Speaker:**

**Prof. (Dr.) Abhik Kumar Mukherjee**  
Assistant Professor,  
Department of Business Administration  
The University of Burdwan

Date: 27.04.2024

Time: 11:00 A.M. onwards

Google Meet link: <https://meet.google.com/swn-oyiq-yeb>

## Chief Patrons

- Mr. H. K. Chaudhary, Chairman, Kalyan Bharti Trust
- Mr. Pradip Kumar Agarwal, CEO, Kalyan Bharti Trust.

## Patrons

- Professor Basab Chaudhuri, Principal, Heritage Institute of Technology, Kolkata
- Dr. Sujit Kumar Barua, Registrar, Heritage Institute of Technology, Kolkata

## Organizing Chair

- Prof. (Dr.) Subhashis Majumder, HoD, Dept. of CSE, Dean (UG Programme), Heritage Institute of Technology, Kolkata
- Prof. (Dr.) Sujay Saha, HoD, Department of CSE(AIML), Heritage Institute of Technology, Kolkata

## Organizing Committee

### Dept. of CSE

- Prof. (Dr.) Subhashis Majumder, HoD
- Prof. (Dr.) Poulami Das, DC
- Prof. (Dr.) Sabyasachee Banerjee, DC
- Prof. (Dr.) Dinabandhu Bhandari
- Prof. (Dr.) Debranjana Sarkar
- Prof. (Dr.) Anup Kumar Sen
- Prof. (Dr.) Debasish Jana
- Prof. (Dr.) Diganta Sengupta
- Prof. (Dr.) Nilanjana G. Basu
- Prof. (Dr.) Adrija Bhattacharya
- Prof. Kamal Podder
- Prof. Amitabha Acharya
- Prof. Arindam Chatterjee
- Prof. Aritra Saha
- Prof. Jhalak Dutta
- Prof. Pratyusa Dash
- Prof. Reshma Roychoudhuri
- Prof. Sandip Samaddar
- Prof. Shilpi Saha
- Prof. Smritikona Barai
- Prof. Somak Sen
- Prof. Somenath Sengupta
- Prof. Susobhan Baidya
- Prof. Satabdi Barman
- Prof. Arpita Talukdar
- Prof. Anurina Tarafdar
- Prof. Saswati Naskar

### Dept. of CSE (AIML)

- Prof.(Dr.) Sujay Saha, HoD
- Prof.(Dr.) Mohuya Byabartta (Kar)
- Prof. (Dr.) Anirban Bhattacharjee
- Prof. (Dr.) Debamita Kumar

**Heritage Institute of Technology  
Kolkata**



## Five-Day FDP on “Natural Language Processing - Theory and Applications”

**22/04/2024 to 26/04/2024**

**Jointly Organized  
By**

**Department Of CSE And  
CSE(AIML)**

**Heritage Institute of Technology,  
Kolkata**

**(An Autonomous Institution  
Affiliated to MAKAUT, West Bengal  
Accredited with "A" grade by NAAC)**

**Supported by IQAC**

**[www.heritageit.edu](http://www.heritageit.edu)**

**Chowbaga Road, Anandapur  
P.O: East Kolkata Township  
Kolkata - 700107**



## About the Institute

Heritage Institute of Technology was set up on the eastern fringes of Kolkata in 2001 by a group of industrialists hailing from the flourishing information technology, electronics, and related industries around Kolkata, and some public figures. It is affiliated with Maulana Abul Kalam Azad University of Technology, Kolkata. The foundation behind the growth of HITK is the Kalyan Bharti Trust.

## About the Departments

Department of Computer Science and Engineering had started in 2001. The department has the vision to meet the challenges of 21st century and become a Centre of Excellence in the field of Computer Science & Engineering.

The adoption of Artificial Intelligence/Machine Learning (AI/ML) is growing worldwide. In 2021, the department of CSE (Artificial Intelligence and Machine Learning) has started to produce professionals in artificial intelligence and machine learning through the best possible education, acquire international recognition as a destination, and advance society in exciting and creative ways.

## About the FDP

Natural Language Processing (NLP) is an important area of Artificial Intelligence concerned with the processing and understanding of a human language. The goal of NLP is to process and harness information from a large corpus of text with very little manual intervention.

This FDP will comprise of both theoretical and hands-on sessions to provide the participants with a comprehension of the state-of-the-art NLP methods such that they can impart teaching of the NLP concepts and pursue research in the field of the NLP.

## Highlights of FDP

### Fundamentals of NLP and some applications

*Dr. Dinabandhu Bhandari,  
Professor, CSE Dept.,  
Heritage Institute of Technology, Kolkata*

### Knowledge Graphs

*Dr. Prosenjit Gupta,  
Founder, eLahe Technologies, Kolkata*

### Retrieval-Augmented Generation with Hands-on

*Dr. Soharab Hossain Shaikh,  
Associate Professor, CSE Dept.,  
BML Munjal University, Haryana*

### Hate Speech Detection in Indian Languages Using Deep Learning

*Dr. Kamal Sarkar,  
Professor, CSE Dept.,  
Jadavpur University, Kolkata*

### The Cutting Edge NLP: Sentiment Induced Machine Translation Let's hands together: Hybrid Machine Translation System

*Dr. Debojyoty Banik,  
SMIEEE / Associate Dean  
(Research & Ranking, University Level)*

### The Roadmap to Modern NLP: RNNs, Attention, Transformer and Beyond

*Dr. Debapriyo Majumdar,  
Assistant Professor, CVPR Unit,  
ISI, Kolkata*

## Target Audience

This FDP will address the faculty members, industry persons and research scholars.

## Registration Fees

Registration fee for the external candidates  
Rs: 800/-

## Registration Information

Interested Participants are requested to apply by 16th April, 2024 through the following link:  
<https://qrplanet.com/fdplnp24>

Registrations will be accepted on the basis of first come first served.


## Contact Details

For any queries email to  
[nlp2024@heritageit.edu](mailto:nlp2024@heritageit.edu)







 **GPS Map Camera**

Chak Kolarkhal, West Bengal, India  
Heritage Institute Of Technology  
Lat 22.517659°  
Long 88.418958°  
26/04/24 02:42 PM GMT +05:30



Google



# HERITAGE INSTITUTE OF TECHNOLOGY & CYBER SECURED INDIA

Department of Computer Science & Engineering (IOT & CS including  
Blockchain Technology) and  
Institution's Innovation Council (IIC)-HITK in association with IQAC

PRESENTS

## CYBERSECURITY & INNOVATION : THE KEY TO A SECURE FUTURE



### Dr. Subhojeet Mukherjee

- Ph.D. from Colorado State University, USA
- Extensive experience in Automotive Network Security
- Specializes in software reverse engineering and exploitation
- Discovered CVE-2023-2625 through advanced fuzzing techniques
- Currently employed in the R&D division of Hitachi India Pvt. Ltd.

SPEAKER



19th Apr, 2024



2:00 PM - 4:00PM



THA Auditorium

Faculty Coordinator : Prof. (Dr.) Raja Karmakar , Student Coordinator : Goverdhan Kumar (ECE)

# HydroLaunch

A WATER ROCKET EVENT BY FLYERS CLUB, HITK

Supported by: IQAC & IIC, HITK

Venue : 30 Bigha Ground | Date : 18th April, 2024 | Time : 01 p.m.

For Details, Contact:-

Yashjit Mandal (ME 3rd): 9874665920

Aritra Das (ME 3rd): 9002821544

Monojit Das (ECE 2nd): 9836711254

Priyam Sarkar (ME 2nd): 7584987553

Register at:





# LECTURE EVENT

A very simple streaming algorithm on  $F_0$  estimation that also caught the eye of Donald E. Knuth.

**Talk Title: Solving the Classic Distinct Element Problem with a Strikingly Simple Algorithm that Captivated Donald Knuth**

## SPEAKER

**Sourav Chakraborty**

PROFESSOR AT INDIAN STATISTICAL  
INSTITUTE, KOLKATA

MASTER'S AND PHD AT UNIVERSITY OF  
CHICAGO

BACHELOR'S AT CHENNAI MATHEMATICAL  
INSTITUTE



**WEDNESDAY**

15 April 2024



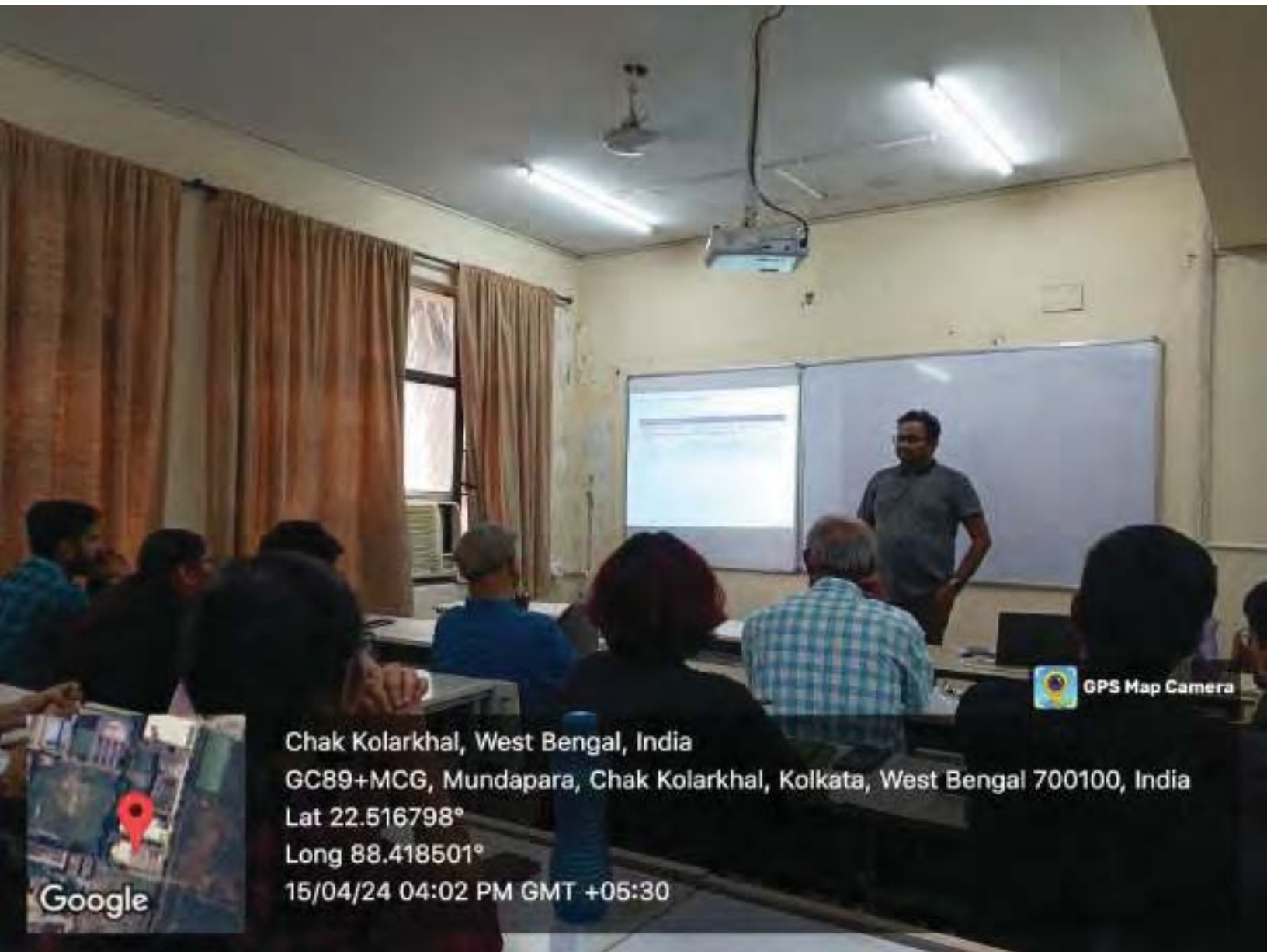
**TIME**

3.30 PM



**ICT 301/ICT 312**





Chak Kolarkhal, West Bengal, India  
GC89+MCG, Mundapara, Chak Kolarkhal, Kolkata, West Bengal 700100, India  
Lat 22.516798°  
Long 88.418501°  
15/04/24 04:02 PM GMT +05:30



GPS Map Camera



AN INTERACTIVE SESSION ON

- **RESEARCH AT UG LEVEL : THE GATEWAY TO SEEKERS**
- **CAREER OPPORTUNITY IN THE TELECOM SECTOR.**

ORGANISED BY:

**IEEE MTT-S**  
**Heritage Institute of Technology**  
**STUDENT BRANCH CHAPTER**

**ALL ARE CORDIALLY INVITED!!!**



**OUR SPEAKERS:**

**1 . MR. TAMAL DAS**

RESEARCH SCHOLAR, JADAVPUR  
UNIVERSITY

**2. MR. ABHISEKH BANERJEE**

SDE, BSNL, CALCUTTA TELEPHONES



TUESDAY,  
9TH APRIL, 2024  
3 PM



ICT 509,  
HITK

# IEEE EDS TECHNICAL LECTURE

**Topic: Quantum Mechanics**

**By Prof. D C Mukherjee**

**Professor,  
Department of Chemistry,  
Heritage Institute of Technology, Kolkata**



Organized by the Department of ECE, Heritage Institute of Technology, Kolkata  
IEEE EDS Student Branch Chapter & IEEE EDS Centre of Excellence, Supported by IOAC  
Registration Link: <https://forms.gle/eDXbr61LPcS8x8fJA>



**DATE: Monday, March 18, 2024**

**TIME: 3:00 p.m.**

**VENUE: Heritage Institute of Technology**



### IIC 6.0 Quarter-3 Calendar Activity Workshop on “How to Plan for Start-Up and Legal and Ethical Steps”

Academic Year	<b>2023-2024</b>
Program driven by	<b>IIC-HITK &amp; EDIC-HITK</b>
Program Supported by	<b>Department of Chemical Engineering – HITK &amp; IQAC-HITK</b>
Quarter	<b>Semester-II, 3rd Quarter</b>
Activity Name	<b>Workshop on “How to Plan for Start-Up and Legal and Ethical Steps”</b>
Program Date	<b>3<sup>rd</sup> May, 2024</b>
Number of Student Participants	<b>57</b>
Number of Faculty Participants	<b>3</b>
Number of Expert Participants, If Any	<b>3</b>
Expenditure, If Any	<b>NA</b>
Mode of Program Execution	<b>Online</b>
Objectives	Online Seminar on how to plan for Start-Up and legal and ethical steps
Benefits in terms of learning/skill/knowledge development	The event challenged young people around the world to mediate & learn how to make a start-up profitable & ways to run it.
Program Coordinator (s)	<b>Prof. Dr. Sulagna Chatterjee, Head, ChE</b> <b>Prof. Dr. Nandan Kumar Jana, Convener, IIC-HITK</b> <b>Prof. Dr. Avijit Ghosh, Start-up Coordinator, IIC-HITK</b>
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	<b>N/A</b>
Photo	<b>Attached</b>
Summary Document/ Overall Report of the Activity	In total 57 students participated for the conference, along with 3 members of faculty and 3 expert participants which sums up to 63 in total.





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### IIC6.0 Calendar activity report on: My story-Motivational Session by Successful Innovators

LinkedIn URL: <https://www.linkedin.com/feed/update/urn:li:share:7180806178250125312/>

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-1
Activity Name	My story-Motivational Session by Successful Innovators
Program Date	4 <sup>th</sup> October 2023
Number of Student Participants	56
Number of Faculty Participants	9
Number of Expert Participants, If Any	No
Expenditure, If Any	4500/-
Mode of Program Execution	Offline
Objectives	The main aim of this lecture session is to motivate students to execute innovative ideas.
Benefits in terms of learning/skill/knowledge development	From the lecture session the students get motivated to execute creative projects and developed their skills related to innovative ideas.

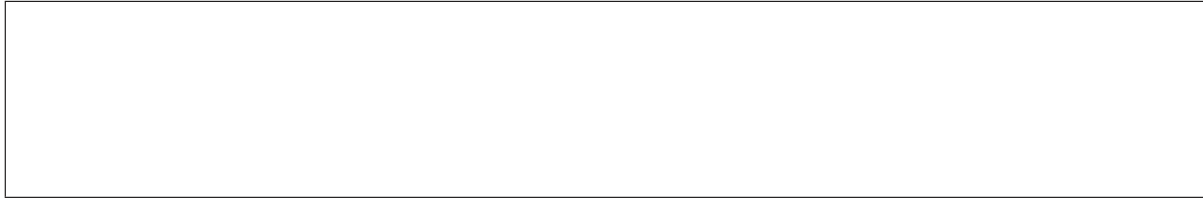


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Pictures of the Event:





### IIC 6.0 Quaterer-4 Calendar activity report of IIC-HITK: Workshop on Prototype Design and Development

Academic Year	2023-2024
Program driven by	IIC-HITK and Dept. of AEIE, HITK
Program Supported by	IQAC-HITK
Quarter	<b>Semester-II, Quarter-3</b>
Activity Name	<b>Workshop on Prototype Design and Development: Inter College Competition on Prototype Design for Mankind (ICCPDM)</b>
Program Date	05.04.2024
Number of Student Participants	180
Number of Faculty Participants	10
Number of Expert Participants, If Any	8
Expenditure, If Any	Rs. 75,000/- (approx.)
Mode of Program Execution	OFFLINE/PHYSICAL
Objectives	The event was organized to bring together <b>all the students of Electronics, Instrumentation and other engineering disciplines</b> to demonstrate their ideas and abilities to develop various prototypes that will be helpful for society as well as to raise the awareness of the role of creativity and innovation in all aspects of human development.
Benefits in terms of learning/skill/knowledge development	The students across different engineering institutes shared their ideas and demonstrated the prototype they designed/made to fulfill the common needs of people as well as to serve the old/weak persons and also for some targeted sectors for their ease of living and activities. It was an ideal platform for exchange of ideas and knowledge.
Program Coordinator (s)	Prof. (Dr.) Anil Kumar Bag and Prof. (Dr.) Debjyoti Chowdhury
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	<a href="https://www.youtube.com/watch?v=UUTiGU4Nycg">https://www.youtube.com/watch?v=UUTiGU4Nycg</a>
Photo	Attached below
Summary Document/ Overall Report of the Activity	

<b>Overall Report of the Activity</b>	
Date: 05.04.2024	Time: 9 AM – 5 PM
<b>Resource Persons/Expert:</b>	
1. Manjit Nayak, Director at STPI, Ministry of Communication & Information Technology, Govt. Of India	
2. Partha Sarathi Biswas, Founder and CEO, Signotron	
3. Prof. (Dr.) Maitree Bhattacharyya, Director, JBNSTS	
4. Sanjay Kumar Das, MD, Webel, Kolkata	
5. Shri Shantanu Som, Founder and CEO at Somnetics (Som Imaging Informatics Pvt. Ltd.)	



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6. Dr. Saptarshi Chatterjee, Associate Director: Incubation, Associate Professor (Microbiology) Adams University
7. Shri Tarak Bhandary, Technical Architect, IndusNet Technologies
8. Shri Tushar Kanti Dutta, Instrumentation and Control Engineer, ADNOC OFFSHORE

### Key Learning and Take-Away:

The event participants have learned from the program:

- (a). The design approach for a prototype.
- (b). How to demonstrate and explain the working of a prototype
- (c). Current topics for their pre-final/final year project
- (d). How to make compact and portable setup

### Pictures of the Event:



**Pic-1: Poster for Workshop on Prototype Design and Development: Inter College Competition on Prototype Design for Mankind**



**Pic-1: Inauguration of the Workshop on Prototype Design and Development: ICCDPM**



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**Institution's Innovation Council(IIC)**

(Ministry of HRD Initiative, Govt. of India)



## One Day Symposium on Biotechnology in Food and Healthcare Industry

Academic Year	2023-2024
Program driven by	IIC-HITK in Collaboration with Heritage Biotech Society
Program Supported by	IQAC-HITK
Quarter	Semester-II, Quarter-3
Activity Name	One Day Symposium on Biotechnology in Food and Healthcare Industry
Program Date	06.03.24
Number of Student Participants	70
Number of Faculty Participants	10
Number of Expert Participants, If Any	03
Expenditure, If Any	Rs 12,000/-
Mode of Program Execution	Hybrid
Objectives	To impart knowledge to the students about recent research developments in food and healthcare industry
Benefits in terms of learning/skill/knowledge development	The lectures in the symposium delivered by eminent experts helped the students to know about the recent innovations in Biotechnology being used in food and healthcare industry. The poster session encouraged the students towards self-learning, teamwork and enhanced their presentation skills for idea and innovation.
Program Coordinator (s)	Dr. Srabanti Basu, Dr. Riddhi Goswami
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	
Photo	Attached below
Summary Document/ Overall Report of the	The symposium was very much successful in imparting knowledge to students about recent



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Event: Poster Presentation for students	Topic:
Key Learning and Take-Away:  The Symposium was very much successful in dissemination of knowledge about applications of Biotechnology in food and healthcare industry. The students developed the practice of self-learning, teamwork and presentation of ideas through poster presentation event.	

Pictures of the Event:



**Pic-1: Online lecture by Dr. Urmi Chakraborty**



**Pic-2: Dr. Dwaipayan Bharadwaj delivering his address**



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### IIC-HITK IIC 6.0 Calendar activity report: Expert Talk on 'Achieving Problem Solution Fit and Product Market Fit'

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	Expert Talk on 'Achieving Problem Solution Fit and Product Market Fit'
Program Date	07-02-2024
Number of Student Participants	91
Number of Faculty Participants	9
Number of Expert Participants, If Any	1
Expenditure, If Any	Nil
Mode of Program Execution	Online
Objectives	What comes first, problem solution fit or product market fit? Problem solution fit typically comes first. It's about finding a significant problem and creating a solution. Once this is achieved, businesses can focus on finding their product market fit, i.e., identifying a substantial market for their solution.
Benefits in terms of learning/skill/knowledge development	Understanding the differences between problem-solution fit and the product-market fit is essential for businesses looking to create successful products and services. Achieving problem-solution fit is the first step and lays the groundwork for pursuing product-market fit. By prioritizing both concepts in their product development and growth strategies, businesses can increase their chances of success and long-term sustainability.
Program Coordinator (s)	Prof. (Dr.) Raja Karmakar Prof. (Dr.) NilinaBera Prof. (Dr.) Susovan Mandal



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### Key Learning and Take-Away:

#### Navigating the Path with Problem Solution Fit and Product Market Fit:

In the difficult and challenging journey of entrepreneurship, understanding problem solution fit and product market fit can be a guiding star. They help ensure the product developed and launched isn't just a solution, but a solution for the right problem and for the right market. With these milestones as the guideposts, the young minds (student community) are well-equipped to navigate the tricky terrain of startup growth. Key learning : An idea is only as good as its execution, and understanding these two concepts can be the difference between the success or failure of a business venture.

### Pictures of the Event:

**HERITAGE INSTITUTE OF TECHNOLOGY,  
KOLKATA**

(An Autonomous Institute affiliated to MAKAUT, Accredited with 'A' grade by NVAU)

**Institution's Innovation Council (IIC: HITK) in association with  
IQAC Organizes Online Expert talk on**

## **Achieving Problem-Solution Fit and Product-Market Fit**

**Date: February 7, 2024**  
**Time: 3:00 pm. Onwards**

**Registration link:**  
<https://forms.gle/IEaGDF4u5KWTNGeA7L7>

**Event link:**  
<https://meet.google.com/grvo-lqpsa-ift>  
(E-certificates will be provided to the participants)

**Speaker:**  
**Prof. (Dr.) Samiran Chattopadhyay**  
- VICE CHANCELLOR  
TECHNO INDIA UNIVERSITY, WEST BENGAL  
- FORMERLY, PROFESSOR, JADAVPUR UNIVERSITY

**Program Co-ordinators:**  
Prof. (Dr.) Raja Kumar  
Prof. (Dr.) Susowar Mandal  
Prof. (Dr.) Nilima Bera

Pic-1: Banner of the event Expert Talk on 'Achieving Problem Solution Fit and Product Market Fit'





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### IIC-HITK IIC 6.0 Self driven activity Semester-I Quarter-2: "Politics of Innovation"

Academic Year	2023-2024
Program driven by	IIC-HITK (Self Driven activity)
Program Supported by	IQAC-HITK
Quarter	Semester-I, Quarter-2
Activity Name	"Politics of Innovation"
Program Date	07-12-2023
Number of Student Participants	50
Number of Faculty Participants	19
Number of Expert Participants, If Any	1
Expenditure, If Any	1000/-
Mode of Program Execution	Off line
Objectives	To introduce students to develop the idea of innovation and take challenge of entrepreneurship
Benefits in terms of learning/skill/knowledge development	Develop the knowledge and skill for development of Innovation and entrepreneurship
Program Coordinator (s)	Prof. (Dr.) Nandan Kumar Jana Prof. (Dr.) Mousiki Kar
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	NA
Photo	Attached below
Summary Document/ Overall Report of the Activity	

### Heritage Institute of Technology

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(An Initiative of Kalyan Bharti Trust)

994 Madurdaha, Chowbaga Road, Anandapur, P.O., East Kolkata Township, Kolkata - 700 197  
Phone: +91-33-6627-0600/0609/0614/0622 • Fax: +91-33-2443-0455 • E-mail: admin@heritageit.edu  
www.heritageit.edu

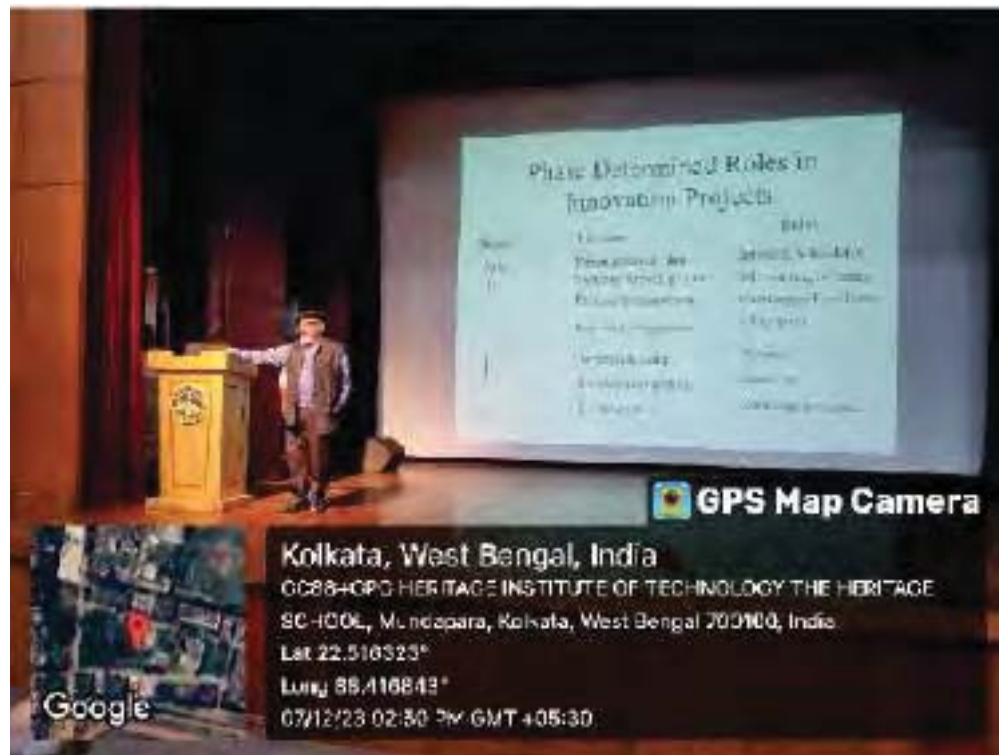


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Record of Participants: Attached below

### Heritage Institute of Technology

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 (An Initiative of Kalyan Bharti Trust)

994 Madurdaha, Chowbaga Road, Anandapur, P.O., East Kolkata Township, Kolkata - 700 107  
 Phone: +91-33-6627-0500/0609/0614/0622 • Fax: +91-33-2443-0455 • E-mail: admin@heritageit.edu  
 www.heritageit.edu



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### IIC-HITK report for IIC 6.0 self-driven activity "Seminar on 'Invention to Innovation: What Academia Can Do?'"

Academic Year	2023-2024
Program driven by	IIC-HITK and Dept. of Chemical Engineering, HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	Seminar on 'Invention to Innovation: What Academia Can Do?'
Program Date	8 <sup>th</sup> December, 2023 from 1:15 pm onwards
Number of Student Participants	34
Number of Faculty Participants	6
Number of Expert Participants, If Any	1
Expenditure, If Any	5000/-
Mode of Program Execution	Off line
Objectives	To encourage students and faculties for invention and innovation
Benefits in terms of learning/skill/knowledge development	Students and faculties learn and develop the knowledge how invention will be transformed into innovation
Program Coordinator (s)	Dr. Sangita Bhattacharjee (Dept. of ChE, IIC-HITK member)  Dr. Aparna RaySarkar (Dept. of ChE)
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	NA
Photo	Attached below
Summary Document/ Overall Report of the Activity	Attached below

### Heritage Institute of Technology

(An Autonomous Institute under MAKAUT, WB)  
(An Initiative of Kalyan Bharti Trust)

994 Madurdaha, Chowbaga Road, Anandapur, P.O., East Kolkata Township, Kolkata - 700 197  
Phone: +91-33-6627-0600/0609/0614/0622 • Fax: +91-33-2443-0455 • E-mail: admin@heritageit.edu  
www.heritageit.edu



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Pic-2: Principal Prof. (Dr.) Basab Chaudhuri is delivering welcome address.



Pic-3: Felicitation of Prof.(Dr.) Sadhan C. Jana during the inaugural session of the event.

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### IIC-HITK IIC 6.0 Calendar activity report for: 'Innovation & Entrepreneurship Outreach Program in Schools/Community'

Academic Year	2023-2024
Program driven by	IIC-HITK in association with Hult Prize HITK team, IEEE EDS SBC & CoE
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	<b>'Innovation &amp; Entrepreneurship Outreach Program in Schools in STEM'</b>
Program Date	9 <sup>th</sup> February, 2024
Number of Student Participants	50
Number of Faculty Participants	2
Number of Expert Participants, If Any	NA
Expenditure, If Any	Rs. 1250
Mode of Program Execution	Off line
Objectives	To teach STEM through innovative experiments
Benefits in terms of learning/skill/knowledge development	1. Development in social skills 2. Development in social responsibility skills 3. Development in Public Speaking skills
Program Coordinator (s)	Dr. Mousiki Kar

#### Overall Report of the Activity

Date: 09/02/24	Time: 2:00 pm onwards
Speaker: Undergraduate students of HITK	Topic: Innovation in STEM
The program was organized by the Hult Prize HITK team, IEEE EDS SBC & CoE supported by IIC-HITK and IQAC- HITK.	



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Pic-2: 'Innovation & Entrepreneurship Outreach Program in Schools in STEM' is going on



Pic-3: 'Innovation & Entrepreneurship Outreach Program in Schools in STEM' is going on

Attendance: Attached below

Signature of the Program Coordinator:

*Mousiki Kar*

Dr. Mousiki Kar



# HERITAGE INSTITUTE OF TECHNOLOGY

An Autonomous Institution affiliated to MAKAUT, West Bengal (Accredited with 'A' grade by NAAC)

## TechHorizon

Navigating the Future through Research, Innovation and Entrepreneurship

### An International Symposium

Organized by IIC - HITK, Supported by IQAC - HITK

In Association with Department of Information Technology & Department of Computer Applications

Organizers: Dr. Nandan Kumar Jana, Coordinator, IIC-HITK (nandan.jana@heritageit.edu)

Prof. Siuli Roy, HoD, Dept. of IT (siuli.roy@heritageit.edu)

Dr. Souvik Basu, HoD, Department of Computer Applications (souvik.basu@heritageit.edu)

Monday, March 11th, 2024, 10:00 am

THA Auditorium

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
In Association With	Department of Information Technology, HITK and Department of Computer Applications, HITK
Quarter	Quarter - 3
Activity Name	TechHorizon: International Symposium on Career Design around Research, Innovation, and Entrepreneurship
Program Date	11/03/2024
Number of Student Participants	114
Number of Faculty Participants	15
Number of Expert Participants, If Any	6
Expenditure, If Any	17, 081 INR
Mode of Program Execution	THA Auditorium
Objectives	The symposium aimed to inspire, educate, and empower individuals to contribute to and thrive in the rapidly evolving landscape of technology.
Benefits in terms of learning/skill/knowledge development	Whether a researcher, innovator, or aspiring entrepreneur, this symposium ignited passion for technology research and equip them with the knowledge to drive meaningful change in the world.
Program Coordinator (s)	Prof. (Dr.) Siuli Roy, HoD, Department of Information Technology, HITK Prof. (Dr.) Souvik Basu, HoD, Department of Computer Applications, HITK Prof. (Dr.) Nandan Kumar Jana, Co-ordinator, IIC-HITK
Speaker	1. Prof. Anupam Basu, Former Director, Raja Ramanna Chair Professor, Jadavpur University NIT Durgapur and Former Professor, IIT Kharagpur 2. Prof. Romit Roy Choudhury, Professor, University of Illinois at Urbana Champaign, USA 3. Prof. Agnimitra Biswas, CEO, IDEAS-TIH, Indian Statistical Institute, Kolkata 4. Prof. Somprakash Bandyopadhyay, Former Professor IIM Calcutta and Founder-Director, "Center for Career and Life Design Counselling" 5. Mr. Anirban Datta Gupta, Co-Founder & COO at Altor 6. Mr. Mitranjan Ganguly, Managing Partner, G D Construction & Company

#### Speaker Profile:

**Prof. Anupam Basu** presently holds the prestigious position of Raja Ramanna Chair Professor, Jadavpur University. He was the former Director, NIT Durgapur and former Professor, IIT Kharagpur.

**Prof. Romit Roy Choudhury** is the Professor, University of Illinois at Urbana Champaign, USA. His



# HERITAGE INSTITUTE OF TECHNOLOGY

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## TechHorizon

Navigating the Future through Research, Innovation and Entrepreneurship

An International Symposium

Organized by IIC - HITK, Supported by IQAC - HITK

In Association with Department of Information Technology & Department of Computer Applications

Organizers: Dr. Nandan Kumar Jana, Coordinator, IIC-HITK (jandankumar.jana@heritageit.edu)

Prof. Sanku Roy, HoD, Dept. of IT (sanku.roy@heritageit.edu)

Dr. Souvik Basu, HoD, Department of Computer Applications (souvik.basu@heritageit.edu)

Monday, March 11th, 2024, 10:00 am

THA Auditorium

Photo



# HERITAGE INSTITUTE OF TECHNOLOGY

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## TechHorizon

Navigating the Future through Research, Innovation and Entrepreneurship

An International Symposium

Organized by IIC - HITK, Supported by IQAC - HITK

In Association with Department of Information Technology & Department of Computer Applications

Organizers: Dr. Nandan Kumar Jana, Coordinator, IIC-HITK (jandankumar.jana@heritageit.edu)

Prof. Sanku Roy, HoD, Dept. of IT (sanku.roy@heritageit.edu)

Dr. Souvik Basu, HoD, Department of Computer Applications (souvik.basu@heritageit.edu)

Monday, March 11th, 2024, 10:00 am

THA Auditorium



Prof. Animesh Bera

Asst. Professor, Dept. of Applied Mathematics, Jadavpur University, Kolkata, West Bengal, India  
Former Professor, BIT Mesquite



Prof. Sanku Roy

Professor, University of Illinois at Chicago, Chicago, USA



Prof. Agnieszka Bielecka

CEO, ISTAT, The Italian Statistical Institute, Italy



Prof. Subrata Kumar Ghosh

Former Professor at IIM Calcutta and Founder Director of "Centre for Career and Life Design Consulting"



Mr. Anshuman Gupta

Co-Founder, ACEE, a 501(c)(3)



Mr. Muzonjon Ganguly

Managing Director, TCS Technical Lead, CTO, Construction & Company



DPS Map Camera



THA Auditorium, West Bengal, India

Heritage Institute of Technology, Chowbaga Road, Anandapur, Kolkata West Bengal 700107, India

Lat 22.51714°

Long 88.418798°

11/03/24 10:13 AM GMT +05:30





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### IIC-HITK report for IIC 6.0 Self Driven activity: Expert talk on “Clean Technology and Sustainable Development”

Academic Year	2023-2024
Program driven by	IIC-HITK, Chemical Engineering Department, HITK and HEGA Club, HITK
Program Supported by	IQAC-HITK
Quarter	Quarter- 2
Activity Name	Expert talk on “Clean Technology and Sustainable Development”
Program Date	12.02.2024
Number of Student Participants	202
Number of Faculty Participants	10
Number of Expert Participants, If Any	1
Expenditure, If Any	Rs. 500/-
Mode of Program Execution	Off line
Objectives	The objective of the program to introduce the students with the state-of-the-art technology adopted in remediating emission in petroleum industry to combat with the global warming leading to clean environment.
Benefits in terms of learning/skill/knowledge development	The students along with the faculty fraternity of the institute learned about the state-of-the-art technology developed in Canada to arrest methane from petroleum units. Students had an opportunity to acquire knowledge about the key technologies and R&D implemented by Questor Technology Inc.
Program Coordinator (s)	Prof. Nandan Kumar Jana (Dept. of BT, Convenor, IIC-HITK) Prof. (Dr.) Avijit Ghosh (Dept. of ChE, HEGA Club)



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	Prof. Diptendu Datta (Dept. of ChE)
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	
Photo	
Summary Document/ Overall Report of the Activity	<p>Lecture on “Clean Technologies for Sustainable Development” was delivered by Ms. Audrey Mascarenhas, President and CEO of Questor Technology Inc. Calgary, AB, Canada at SWV Auditorium, HITK from 11 A.M. The event was jointly organized by IIC, HITK, ChE Department, HITK and HEGA Club, HITK supported by IQAC, HITK.</p>



### IIC-HITK IIC 6.0 Quarter-2 Self Driven activity report for "IEEE EDS Technical Lecture"

Academic Year	2023-2024
Program driven by	IIC-HITK, Dept. of ECE and IEEE-EDS Student Branch Chapter, HITK (Self Driven Activity)
Program Supported by	IQAC-HITK
Quarter	Quarter- 2
Activity Name	IEEE EDS Technical Lecture
Program Date	16 <sup>th</sup> January, 2024
Number of Student Participants	32
Number of Faculty Participants	8
Number of Expert Participants, If Any	1
Expenditure, If Any	None
Mode of Program Execution	Off line
Objectives	Throw light on Piezoelectricity and its application in acoustic MEMS transducers.
Benefits in terms of learning/skill/knowledge development	Getting familiar with topics out of the B.Tech curricula.



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Pic-1: Mr. Akash Roy delivering his talk



Pic-2: Mr. Akash Roy delivering his talk



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(Ministry of HRD Initiative, Govt. of India)



### IIC-HITK Self-driven activity report 16-02-2024

Academic Year	2023-2024
Program driven by	IIC-HITK, and Chemical Engineering Department, HITK (Self driven activity)
Program Supported by	IQAC-HITK
Quarter	Semester-I, Quarter- 2nd
Activity Name	Lecture on “Career Development In And Beyond Academia: Personal Experiences In India and USA”
Program Date	16.02.2024
Number of Student Participants	32
Number of Faculty Participants	10
Number of Expert Participants, If Any	No
Expenditure, If Any	Rs. 3,500/-
Mode of Program Execution	Offline
Objectives	The objective of the program is to introduce the students the pathway for their academic excellence and exploring the opportunities they may have to develop their future career.
Benefits in terms of learning/skill/knowledge development	The speaker primarily manifests the opportunities the students can explore after their graduation. He initially elaborated some of his research works that is performed by his research groups to the students. The speaker shares his experience in both industry and academia to help the students to understand the



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### Department of Chemical Engineering



<p>Summary Document/ Overall Report of the Activity</p>	<p>The event was organized on 16<sup>th</sup> February, 2024 at CB 216 from 3 PM by IIC, HITK and Department of Chemical Engineering, HITK and was supported by IQAC, HITK. The resource person was Dr. Indranil Saha Dalal, Assistant Professor, Department of Chemical Engineering, IIT Kanpur, UP. The programme was started with welcome address by Prof. Basab Chaudhuri, Principal, HITK followed by felicitation of Dr. Indranil Saha Dalal. Around 23 student participants and 10 faculty members were present during the session. The session was followed by departmental faculty interaction with Dr. Indranil Saha Dalal.</p>

<b>Overall Report of the Activity</b>	
Date: 16.02.2024	Time: 3:00 P.M. – 5:00 P.M.



### IIC-HITK IIC 6.0 Calendar activity Event for Organize an Inter/Intra Institutional Innovation Competition and Reward Best Innovation “Hult Prize HITK On Campus 2024”

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	Organize an Inter/Intra Institutional Innovation Competition and Reward Best Innovation “Hult Prize On Campus Round”
Program Date	17 <sup>th</sup> February, 2024
Number of Student Participants	110
Number of Faculty Participants	2
Number of Expert Participants, If Any	6
Expenditure, If Any	None
Mode of Program Execution	Off line
Objectives	<p>The Hult Prize is organized by the Hult Prize Foundation in partnership with United Nations and Hult Business School. Hult Prize inspires student entrepreneurs to solve the world’s biggest challenges through innovative social enterprises with positive global impact.</p> <p>The On Campus round is the first stage of the global competition.</p>
Benefits in terms of learning/skill/knowledge development	<ol style="list-style-type: none"><li>1. Development in problem solving skills.</li><li>2. Entrepreneurship skills</li><li>3. Development in sense of social responsibility</li></ol>
Program Coordinator (s)	Dr. Mousiki Kar, Mr. Arvind Srivastava, Prof. Joydev Hazra, Dr. Samik Chakraborty



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### My Story - Motivational Session by Successful Entrepreneur/ Start-up founder

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter - 1
Activity Name	My Story - Motivational Session by Successful Entrepreneur/ Start-up founder
Program Date	17/10/2023
Number of Student Participants	51
Number of Faculty Participants	11
Number of Expert Participants, If Any	2
Expenditure, If Any	4,750 INR
Mode of Program Execution	Off line at A Building Seminar Hall, HIT Kolkata
Objectives	The objective of this lecture session was to share the journey and success story of two young entrepreneurs
Benefits in terms of learning/skill/knowledge development	Instead of waiting for opportunities being given by your country, be the source of income for your country. How one failure has paved the way for a mammoth task, giving employment opportunities to many! The story of how a simple "Maachey-Bhaatey Bangali" can create a revolution in the fields of Aquaculture.
Program Coordinator (s)	Prof. (Dr.) Souvik Basu, Prof. (Dr.) Nandan Kumar Jana, Convener, IIC-HITK
Speaker	<b>Mr. Arnab Bardhan</b> , Director and CEO, Ceeblu Enterprises <b>Dr. Nilemesh Das</b> , Chairperson, Ceeblu Enterprises.

#### Speaker Profile:

Completing his schooling at Ramakrishna Vivekananda Mission, **Mr. Arnab Bardhan** pursued his B. Tech in Mechanical Engineering from Vel Tech University, Chennai. Having served in a few MNCs, Mr. Bardhan chose to strengthen his family business. Mr. Bardhan has led his business to new heights. Having a specialization in supply chain management and marketing, Mr. Bardhan acquired an MBA degree from Swami Vivekananda University.



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Summary Document/ Overall Report of the Activity

Entrepreneurship is the engine that drives societal progress by introducing new ideas, technologies, and methodologies. It plays a pivotal role in shaping cultures, economies, and lifestyles. Through entrepreneurship, societies evolve, adapt, and overcome challenges, fostering growth and development. It's a catalyst for change, fostering creativity and problem-solving across various domains, from healthcare and education to business and beyond. Entrepreneurships often lead to increased efficiency, productivity, and improved standards of living. They have the potential to bridge gaps, enhance communication, and create more inclusive environments. However, entrepreneurship also poses challenges, such as ethical considerations, job



### IIC 6.0 Quarter-4 Self Driven Activity IIC-HITK Report: HydroLaunch: Water Rocket Event

Academic Year	2023-2024
Program driven by	IIC-HITK and FLYERS CLUB, HITK
Program Supported by	IQAC-HITK
Quarter	Semester-II, Quarter-3
Activity Name	HydroLaunch: Water Rocket Event
Program Date	April 18, 2024
Number of Student Participants	73
Number of Faculty Participants	4
Number of Expert Participants, If Any	NA
Expenditure, If Any	Rs.4000/- (Approx.)
Mode of Program Execution	Offline and On Field
Objectives	To provide exposure in the field of rocket science, gathered valuable information and learnt the basics of a water rocket design and construction using their engineering skills.
Benefits in terms of learning/skill/knowledge development	Learnt the basics of a water rocket design and construction.
Program Coordinator (s)	Prof. (Dr.) Anil Kumar Bag, Prof. Vishnu Kumar Singh, Prof. Anirban Kolay, Prof. (Dr.) Debjyoti Chowdhury
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	NA
Photo	Attached
Summary Document/ Overall Report of the Activity	Event Name: HydroLaunch: Water Rocket Event by Flyers Club. Event Organizer: Flyers Club, HITK Date: 18th April, 2024. Venue: 30 Bigha Ground.  Flyers Club, the aeronautics club of Heritage Institute of Technology, Kolkata had organised HydroLaunch:



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### IIC-HITK report for IIC 6.0 calendar activity: “Workshop on Entrepreneurship Skill, Attitude and Behavior Development”

Academic Year	2023-2024
Program driven by	IIC-HITK& CSE Department-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	Workshop on Entrepreneurship Skill, Attitude and Behavior Development
Program Date	19.02.2024
Number of Student Participants	250
Number of Faculty Participants	12
Number of Expert Participants, If Any	3
Expenditure, If Any	7000.00
Mode of Program Execution	Offline
Objectives	The primary objective of the workshop is to empower students with a comprehensive understanding of the evolving landscape of cryptocurrencies, Web3 technologies, and their profound impact on the financial technology (Fintech) sector. The workshop aims to demystify these cutting-edge concepts, providing participants with insights into the transformative potential of decentralized finance (DeFi) and emerging trends in the financial industry.
Benefits in terms of learning/skill/knowledge development	<ul style="list-style-type: none"><li>•Understanding Cryptocurrencies</li><li>•Introduction to Web3 Technologies</li><li>•Insights into Fintech Innovation</li><li>•Career and Entrepreneurial Opportunities</li></ul>



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Pictures of the Event:



Pic-1: Welcome address by Prof. Basab Chaudhuri, Principal HITK



Pic-2: Student audience of the “Workshop on Entrepreneurship Skill, Attitude and Behavior Development”



### IIC 6.0 Quarter-4 Self Driven Activity report of IIC-HITK: Cyber security and Innovation: The key to Secure Future

Academic Year	<b>2023-2024</b>
Program driven by	<b>IIC-HITK with Department of CSE (IoT &amp; CS) and Cyber Secured India (CSI)</b>
Program Supported by	<b>IQAC-HITK</b>
Quarter	<b>Semester-II: Quarter-3</b>
Activity Name	<b>Cyber security and Innovation: The key to Secure Future</b>
Program Date	<b>19/04/2024</b>
Number of Student Participants	<b>186</b>
Number of Faculty Participants	<b>10</b>
Number of Expert Participants, If Any	<b>1</b>
Expenditure, If Any	<b>Rs. 5000/-</b>
Mode of Program Execution	<b>Offline</b>
Objectives	The objective of the event was to provide participants with a comprehensive understanding of automotive security, emphasizing the importance of cyber security in the automotive industry. Attendees were educated on the critical areas that automotive companies must address to protect against cyber threats, identify existing vulnerabilities, and explore effective strategies for securing vehicles. The session also included practical demonstrations to illustrate key concepts and applications in automotive security.
Benefits in terms of learning/skill/knowledge development	In this event, Dr. Subhojeet Mukherjee discussed automotive security. Participants learned about cyber security, why automotive companies should prioritize it, the weaknesses in current systems, and more. They also gained insights into areas they need to focus on after engineering to enhance automotive security. The speaker demonstrated some practical examples as well.



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Program Coordinator (s)	Faculty Coordinator: Dr. Raja Karmakar Student Coordinator: Goverdhan Kumar(ECE)
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	
Photo	<p style="text-align: center;"><a href="#">GEO TAG - Google Drive</a></p>   <p style="text-align: center;">Faculty Coordinator : Prof. (Dr.) Raja Karmakar , Student Coordinator : Goverdhan Kumar (ECE)</p> <p style="text-align: center;">Bhagabanpur, West Bengal, India GC79+85H, Mundapara, Bhagabanpur, West Bengal 700150, India Lat: 21.611069° Long: 88.417281° 18/04/24 02:02 PM GMT +05:30</p>





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Academic Year	2023-2024
Program driven by	IIC-HITK and Civil Engineering Department
Program Supported by	IQAC-HITK
Session	Semester-II, Quarter-3
Activity Name	<b>A technical talk on “Tunnel Engineering in Metro Railway Construction”</b>
Program Date & Venue	19 <sup>th</sup> April, 11.00 am onwards, Venue: HIT campus room CME108
Number of Student Participants	50
Number of Faculty Participants	10
Number of Expert Participants, If Any	NA
Expenditure, If Any	5,000/-
Mode of Program Execution	Offline
Objectives	Tunnel Engineering in Metro Railway Construction
Benefits in terms of learning/skill/knowledge development	1. Students get interest in Tunnel Engineering as this is one of the emerging fields in Civil Engineering Construction. 2. Students can relate practical knowledge with theoretical lectures
Program Coordinator (s)	The entire program has been coordinated by Prof. (Dr.) Puja Basu Chaudhuri
Video (to be uploaded in the YouTube if any)	NA
Summary Document/ Overall Report of the activity	Given below



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### Overall Report of the Activity

Date: 06.03.2024	Time: 11:00 am onwards
Speaker: Mr. Chiranjib Sarkar	Topic: <b>A technical talk on “Tunnel Engineering in Metro Railway Construction”</b>
Speakers Profile: Mr. Chiranjib Sarkar, Principal Engineer, GEOCONSULT India Pvt. Ltd. Vice Chairperson, TAIym (Tunneling Association of India Young member Group)	
Event Photo	
	



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### Reporting of Self Driven Activity of IIC-HITK “Seminar and Hands-On Workshop (S.H.O.W.) on Drone Making”

Academic Year	2023-2024
Program driven by	IIC-HITK and Flying Club
Program Supported by	IQAC-HITK
Quarter	Quarter-1
Activity Name	Seminar and Hands-On Workshop (S.H.O.W.) on Drone Making
Program Date	19.09.2023
Number of Student Participants	309
Number of Faculty Participants	5
Number of Expert Participants, If Any	Nil
Expenditure, If Any	Nil
Mode of Program Execution	Offline
Objectives	<ul style="list-style-type: none"><li>➤ To know the basic components of drone making.</li><li>➤ To understand the thrust calculation for drone.</li><li>➤ To estimate the overall costing to build a drone.</li><li>➤ To understand how to install the other devices like camera in drone.</li></ul>
Benefits in terms of learning/skill/knowledge development	<ul style="list-style-type: none"><li>➤ The drone-making workshop typically provide practical, hands-on experience in building and configuring drones. This can help participants understand the various components of a drone and how they work together. Participants will gain valuable technical knowledge about drones, including the</li><li>➤</li></ul>



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### Pictures of the Event:

**G2**

# DRONE WORKSHOP

SUPPORTED BY IQAC, HITK  
THROUGH INSTITUTE INNOVATION COUNCIL

**19th September, 2023**  
**SEMINAR AND HANDS ON**

**LEARN  
BUILD  
FLY...**

**VENUE: S V AUDITORIUM, HITK**  
**TIME: 2:30pm to 5pm**

MONOJIT DAS, ECE 2nd YEAR 9836711254  
YASHJIT MANDAL, ME 3rd YEAR 9874665920

**REGISTER NOW**





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Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-1
Activity Name	HackHeritage2023
Program Date	22 <sup>nd</sup> September to 23 <sup>rd</sup> September, 2023
Number of Student Participants	510
Number of Faculty Participants	57
Number of Expert Participants, If Any	10 (Judges)
Expenditure, If Any	5Lacs (Approx)
Mode of Program Execution	Offline
Objectives	HackHeritage2023 is a tool to drive sustained innovation to address pressing real-life business problems and social issues. This event is typically a time-bound competitive event where participants collaborate to build proofs of concept and minimum viable products for a specific pre-defined problem or to innovate.
Benefits in terms of learning/skill/knowledge development	Hackathon is a learning opportunity, where participants look to introduce new techniques, standards or personal programming styles to progress on projects and develop solutions for real-life problems. Therefore, attending this event provides opportunities to the candidates to gain new skills or advance their career.
Program Coordinator (s)	Prof. Joydev Hazra and Prof. Raja Karmakar



# Heritage Institute of Technology

(An Autonomous Institute under MAKAUT, WB)



## Institution's Innovation Council(IIC)

(Ministry of HRD Initiative, Govt. of India)





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Academic Year	2023-2024
Program driven by	IIC-HITK & Department of Civil Engineering, HITK Self -Driven Activity
Program Supported by	IQAC-HITK
Session	Semester-I, Quarter-II
Activity Name	A Technical Talk presented by Mr. Pradip Kr. Chaudhury, Former Principal Scientist/ Technologist, IJIRA & Former Tech. Advisor, National Jute Board, Ministry of Textiles
Program Date & Venue	23rd February, 02.00pm onwards, HIT CME 108
Number of Participants	60
Number of Expert Participants, If Any	NA
Expenditure, If Any	5,000/-
Mode of Program Execution	Off line
Objectives	The Application of Jute Geotextiles in Civil Engineering
Benefits in terms of learning/skill/knowledge development	1. Students get interest in the Practical Applications of jute geotextiles in Civil Engineering courses. 2. Students can relate practical knowledge with theoretical lectures
Program Coordinator (s)	Prof. Dr. Puja Basu Chaudhuri
Video (to be uploaded in the YouTube if any)	NA

(Ministry of HRD)



Summary Document/ Overall Report of the Activity

**Mr. Padip Choudhury**, Former Principal Scientist/ Technologist, IJIRA & Former Tech. Advisor, National Jute Board, Ministry of Textiles has delivered his speech and shared his experiences on the application of jute geotextiles in Civil engineering.

Jute geotextiles have been found useful for control of surface soil erosion, construction of embankment on weak soil as well as strengthening road pavement and surface for separation, drainage and temporary reinforcement.

He shared many of his experiences through his case studies. The entire program has been coordinated by Prof. Puja Basu Chaudhuri

**Attendance: Attached below**

**Picture of the event:**





### Report on seminar on 'Innovation Ecosystem' with Dr. Amalesh Mukhopadhyay

Academic Year	2022-2023
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	Seminar on Innovation Ecosystem
Program Date	November 24, 2023
Number of Student Participants	0
Number of Faculty Participants	32
Number of Expert Participants, If Any	1
Expenditure, If Any	None
Mode of Program Execution	Offline
Objectives	To learn about the research and innovation ecosystem in India
Benefits in terms of learning/skill/knowledge development	Learn to reach out to specific agencies for grants related to research and innovation
Program Coordinator (s)	Prof. (Dr.) Mousiki Kar



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Pictures of the Event:



Picture-1: Poster of the IIC event



Picture-2: Audience of the event



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### IIC-HITK report for Self-driven activity “Workshop on Innovation”

Academic Year	2023-2024
Program driven by	IIC-HITK , IICChE-HITK Students Chapter, Dept. of Chemical Engineering; Dept. of Biotechnology
Program Supported by	IQAC-HITK
Quarter	Semester-I, Quarter-2
Activity Name	“Workshop on Innovation”
Program Date	25-01-2024
Number of Student Participants	125
Number of Faculty Participants	12
Number of Expert Participants, If Any	2
Expenditure, If Any	6600/-
Mode of Program Execution	Offline
Objectives	<ul style="list-style-type: none"><li>● An Innovative Idea to Curb Microplastic Pollution</li><li>● Innovation of new therapy for cancer: Quantitative Experiments to Understand Chemotaxis and its Application in Cancer</li></ul>
Benefits in terms of learning/skill/knowledge development	<ul style="list-style-type: none"><li>● An innovative idea to curb microplastic pollution presents invaluable learning opportunities, fostering interdisciplinary understanding as learners delve into environmental science, chemistry, and sustainable design. Critical thinking skills are honed through problem-solving, while hands-on experiences provide practical insights into the complexities of pollution mitigation. This educational journey heightens environmental awareness, inspiring individuals to adopt sustainable practices. Overall, the pursuit of innovative solutions to microplastic pollution not only enhances academic knowledge but also nurtures a responsible and proactive approach to environmental stewardship.</li></ul>



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## Speaker Profile:

1) S. K. Ray has nearly 45 years of experience in petrochemical industry managing businesses, strategic planning, long-term perspective planning, business developments, corporate affairs, and other related functions. Superannuated from Reliance Industries Limited as Sr. Executive Vice President. At present mentoring a newly formed team on sustainability.

2) Prof. (Dr.) Richa Karmakar: Department of Biotechnology, IIT Madras; M.Tech (Jadavpur University; Kolkata (2010) B.Tech (Heritage Institute of Technology, Kolkata; 2008)

## Key Learning and Take-Away:

1) An innovative idea to curb microplastic pollution provides key learning opportunities in interdisciplinary understanding, critical thinking, hands-on experience, environmental awareness, and the development of research, collaboration, and adaptability skills. Learners explore practical solutions, ethical considerations, and contribute to global citizenship, fostering a proactive and innovative mindset while potentially opening new career pathways in sustainability.

2) The innovation of a new cancer therapy through quantitative experiments on chemotaxis offers key learning in interdisciplinary insights, critical thinking, hands-on experimentation, application of theoretical knowledge, ethical considerations, collaboration, adaptability, and innovation. Learners develop practical skills, understand complex cancer biology, and are equipped for responsible and forward-thinking approaches in medical research, emphasizing a positive impact on society and potential contributions to improving patient outcomes.

## Pictures of the Event:



Pic-1: Mr. Swapan Kumar Ray, presenting his lecture



### IIC-HITK IIC 6.0 Semester-II-quarter-3 Self-driven activity report for: World Intellectual Property Day Celebration 2024

#### IIC- Heritage Institute of Technology, Kolkata.

Academic Year	2023-2024
Program driven by	IIC-HITK & ASME HITK
Program Supported by	IQAC-HITK
Quarter	Semester-II-Quarter-3
Activity Name	<b>World Intellectual Property (IP) Day Celebration 2024</b>
Program Date	April 26, 2024
Number of Participants	20
Number of Expert Participants, If Any	1
Expenditure, If Any	Rs.2000
Mode of Program Execution	Online
Objectives	Awareness on Intellectual property Rights
Benefits in terms of learning/skill/knowledge development	Learning fundamentals of IP creation & protection, and Filing process.
Program Coordinator	Prof. Sukanta Saha, Dept. of Mechanical Engineering, HITK
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	
Photo	
Summary Document/ Overall Report of the Activity	

#### Overall Report of the Activity

Date: April 26, 2024	Time:
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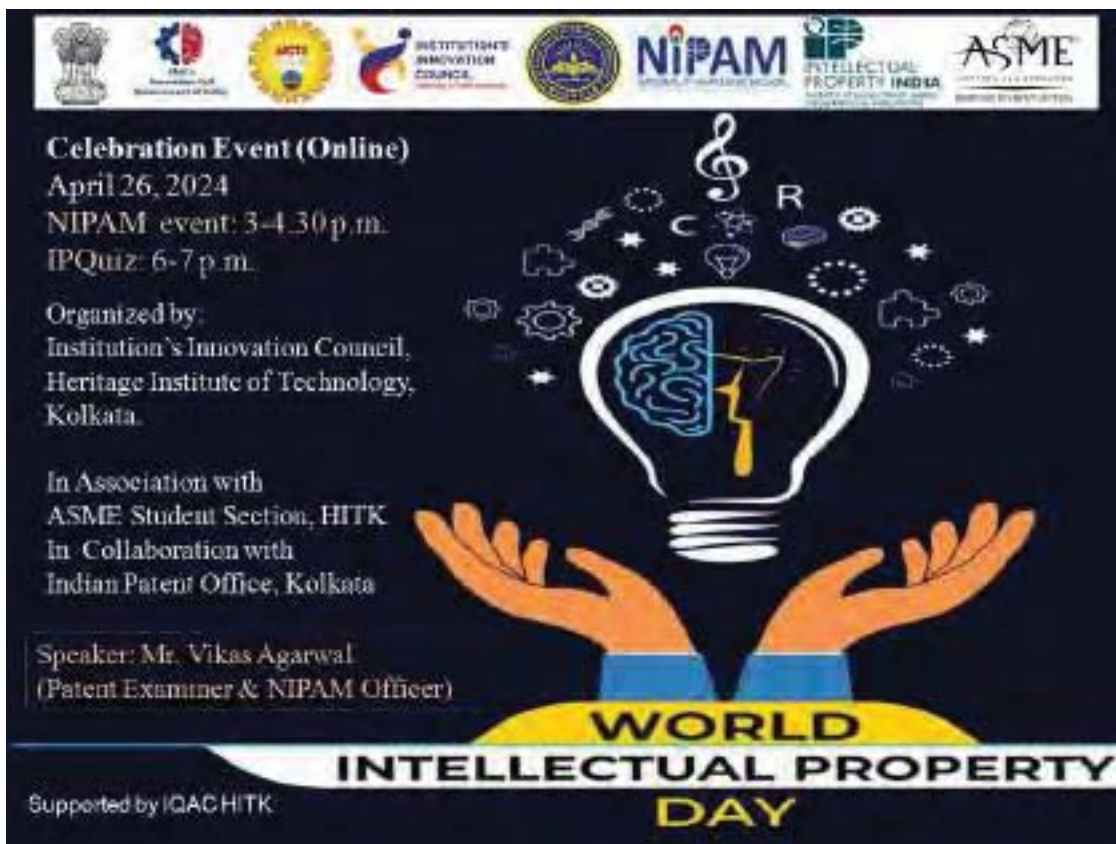
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	3-4.30p.m. : NIPAM Awareness Program. 6-7 p.m.: IPQuiz; online Quiz Event
<u>NIPAM Awareness Program</u> Speaker: Mr. Vikas Agarwal	Topic: IP creation , protection, and filing process.
Speaker Profile: Patent Examiner & NIPAM Officer, Kolkata Patent Office	
Key Learning and Take-Away: <ul style="list-style-type: none"> <li>• Significance of IP Ecosystem</li> <li>• IP creation and protection</li> <li>• Patent filing process</li> </ul>	

Pictures and Flyers of the Event:





### IIC-HITK IIC 6.0 Calendar activity Report: Poster Presentation on Ideas of Biotechnology

Academic Year	2023-24
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-1
Activity Name	Poster Presentation on Ideas of Biotechnology
Program Date	26.09.2023
Number of Student Participants	52
Number of Faculty Participants	Nil
Number of Expert Participants, If Any	01
Expenditure, If Any	3000/-
Mode of Program Execution	Off line
Objectives	To give an exposure to B.Tech. 3 <sup>rd</sup> yr students to showcase their ideas on Biotechnology they learned from the Summer Internship for innovation.
Benefits in terms of learning/skill/knowledge development	The students learnt to prepare a poster highlighting various ideas of innovation they learned from their summer internship and also learnt about other ideas through discussion from others.
Program Coordinator (s)	Prof. (Dr.) Nandan Kumar Jana (Convenor, IIC-HITK) Prof. (Dr.) Riddhi Goswami (Member, IIC-HITK) Prof. Plaban Chaudhuri (Member, IIC- HITK)
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	-
Photo	Attached below



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### Record of Participants:

Attendance attached below

Signature of the Program Coordinator:

*Nandan Kumar Jana*  
Prof. (Dr.) Nandan Kumar Jana  
(Convenor, IIC-HITK)

*Riddhi Goswami*  
Prof. (Dr.) Riddhi Goswami  
(Member, IIC-HITK)





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### IIC-HITK report of Online Workshop on "Entrepreneurship and Innovation"

Academic Year	2022-2023
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-1
Activity Name	Online Workshop on "Entrepreneurship and Innovation"
Program Date	26-09-2023 (Half Day)
Number of Student Participants	45
Number of Faculty Participants	2
Number of Expert Participants, If Any	1
Expenditure, If Any	NA
Mode of Program Execution	Online
Objectives	"Entrepreneurship and Innovation" as a Career Opportunity
Benefits in terms of learning/skill/knowledge development	Early Entrepreneurship has emerged as an interesting subject amongst young students to learn in India. As job opportunities become more scarce as a consequence of Digital Transformation and population growth, entrepreneurship can be seen as a viable career choice among the current generation. These Workshop strive to incorporate leadership skills and help you to begin thinking like a leader while learning about entrepreneurship skills at a younger age.
Program Coordinator (s)	Dr. Avijit Ghosh, Start-up coordinator, IIC HITK and Assistant Professor, Department of Chemical Engineering, HITK
<b>Attachment</b>	



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### Overall Report of the Activity

Date: 26-09-2023	Time: 3:30 pm – 4:15pm
Speaker: Mr. Abhishek Rungta, Founder & CEO, Indus Net Technologies	Topic: "Entrepreneurship and Innovation" as a Career Opportunity
<p>Speaker Profile:</p> <p>Mr. Abhishek Rungta, Founder and CEO of Indus Net Technologies is an Entrepreneur, Strategist, Software Architect, Marketing Geek, Angel Investor and a Visionary. Abhishek Rungta founded Indus Net Technologies in the year 1997. It is a fully bootstrapped venture from one person to a family of 550+ full time professionals who work from Kolkata, Chennai, Delhi, Warwick, Boise and Singapore to supports 200+ active clients across five continents. For the last fifteen years Mr. Rungta and his team has been working diligently to deliver 10,000+ projects successfully and in process revolutionized small business outsourcing. Having worked with a varied mix of industries (BFSI, Hospitality &amp; Travel, Publishing and the Govt. of India).</p> <p>Indus Net Technologies has the expertise in the following:</p> <ul style="list-style-type: none"><li>• Creative Services</li><li>• Web Application Development</li><li>• Mobile Application Development</li><li>• Integrated Internet Marketing</li></ul> <p>Top 100 SME Award 2014, Franchise India Small Business of the year Award, 2014, Deloitte Technology Fast 500 Asia Pacific in 2010 &amp; 2011, Deloitte Technology Fast 50 India in 2011, rated as #1 IT SME by Dun &amp; Bradstreet in 2008 and NASSCOM Emerge50 in 2010 are among the notable awards which Indus Net Technologies has bagged. However, the real pride comes from success of the clients and their trust in Indus Net Technologies.</p> <p>Key Learning and Take-Away: Entrepreneurship is not solely about starting a business; it's about adopting a mindset that embraces creativity, risk-taking, and problem-solving. This mindset can be applied in various career paths and industries, fostering innovation and adaptability.</p>	

Pictures of the Event:





**IIC-HITK report for IIC 6.0 calendar activity  
Intra-college Competition for “Poster Presentation of Innovations”**

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	Intra-college Competition for “Poster Presentation of Innovations”
Program Date	27-02-2024
Number of Student Participants	Total 75 students in 30 group
Number of Faculty Participants	03
Number of Expert Participants, If Any	01
Expenditure, If Any	Rs. 9500.00
Mode of Program Execution	Off line
Objectives	The objective for the event to present poster to discuss and increase awareness among faculties and students about ideas of innovation and start-ups.
Benefits in terms of learning/skill/knowledge development	Engaging in the process of conceptualizing, researching, and developing an innovative idea for a poster presentation enhances research skills. Participants learn how to gather, evaluate, and synthesize information effectively. Participants are also encouraged to think outside the box, come up with original ideas, and present them in visually engaging ways
Program Coordinator (s)	Prof. Arindam Mandal, Prof. Plaban Chaudhuri Abhishek Mukherjee,



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Attachment	
Video (to be uploaded in the YouTube if any)	NA
Photo	Attached
Summary Document/ Overall Report of the Activity	Given below

Overall Report of the Activity	
Date: 27-02-2024	Time: 2.00 pm – 5.00 pm
External Expert: Dr. Debasish Roy	Topic: Not Applicable
<b>External expert/Judge Profile:</b> Dr. Debasish Roy Professor Dept. of Mechanical Engineering, Jadavpur University, Kolkata, WB, India	
<b>Internal expert Judge Profile:</b> (1) Prof. (Dr.) Avijit Ghosh, Assistant Prof. Dept. of ChE, HITK. (2) Prof. (Dr.) Mousiki Kar, Associate Prof. Dept. of ECE, HITK	
Key Learning and Take-Away: Developing an innovative idea and presenting it in a poster format involves critical thinking skills. Participants learn how to analyze problems, evaluate solutions, and make informed decisions.	

Pictures of the Event:

**HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA**  
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**Institution's Innovation Council (IIC-HITK) in association with IQAC-HITK**  
 Organizes  
**Intra-College Competition of "Poster Presentation of Innovations"**

**Coordinators**  
 Prof. (Dr.) Arindam Mandal  
 Prof. Plaban Chaudhuri  
 Dr. Abhishek Mukherjee

**Date:** 27<sup>th</sup> Feb., 2024      **Time:** 2 PM – 5 PM      **Venue:** Executive Hall



### IIC 6.0 Semester-II, Quarter-3 Calendar activity report of IIC-HITK: Expert Session on “Business Model Canvas”

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Semester-II, Quarter-3
Activity Name	Expert Session on “Business Model Canvas”
Program Date	27.04.2024
Number of Student Participants	54
Number of Faculty Participants	10
Number of Expert Participants, If Any	Nil
Expenditure, If Any	Nil
Mode of Program Execution	Online
Objectives	To acquaint the students about the basic idea behind Business Model Canvas
Benefits in terms of learning/skill/knowledge development	The students learnt about the needs of developing a Business Model Canvas, the ways to create it and different methods of its applications.
Program Coordinator (s)	Prof. Riddhi Goswami Prof. Abhyuday Mallick Prof. Sandipan Ganguly Mr. Kaushik Bhattacharya
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	N.A.
Photo	Attached below
Summary Document/ Overall Report of the Activity	The Session started off with the welcome address by Prof. Nandan Kumar Jana, Convener of IIC-HITK. The speaker was introduced by Prof. Riddhi Goswami, Coordinator of the session. The speaker described the origin of Business Model Canvas, the ways to create it and different ways to apply it in various situations. The event ended with an interactive session with the students and faculty



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Pic-4: The speaker explaining the topic with examples



Pic-5: Interactive session at the end with the students and faculties of HITK

Record of Participants: Attendance taken by Google Tracker during the last 10 minutes is attached.

Signature of the Program Coordinator:

*Riddhi Goswami*

**Dr. Riddhi Goswami**  
Member, IIC-HITK



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### IIC-HITK report for IIC 6.0 report for celebration of “National Science Day 2024”

Academic Year	2023-2024
Program driven by	IIC-HITK and Science Club of HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-II
Activity Name	National Science Day 2024
Program Date	28th February, 2024
Number of Student Participants	50
Number of Faculty Participants	25
Number of Expert Participants, If Any	1
Expenditure, If Any	6500
Mode of Program Execution	Off line
Objectives	The event aimed to encourage interest in various scientific disciplines and foster critical thinking and problem-solving skills among participants. The objective of the National Science Day Quiz 2024 was to commemorate National Science Day and promote scientific knowledge among students.
Benefits in terms of learning/skill/knowledge development	Learning of critical thinking and problem-solving skill. This will promote development of scientific knowledge
Program Coordinator (s)	Prof. Moulipriya Sarkar, Prof. (Dr.) Abhijit Mandal Prof. (Dr.) Nandan Kumar Jana (IIC-HITK)
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	NA
Photo	Attached below



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Pic-3: All pictures of the Science Day -2024 celebration by IIC-HITK and Science Club, HITK





### IIC-HITK Self Driven Activity report for “FDP on Intellectual Property Rights”

Academic Year	2023-2024
Program driven by	IIC-HITK
Program Supported by	IQAC-HITK
Quarter	Quarter-2
Activity Name	FDP on Intellectual Property Rights
Program Date	29.01.2024 – 02.02.2024
Number of Student Participants	Nil
Number of Faculty Participants	24
Number of Expert Participants, If Any	Nil
Expenditure, If Any	Rs 24,000/-
Mode of Program Execution	Hybrid
Objectives	To acquaint the faculty members about various aspects of IPR, modes of filing patents in different engineering disciplines.
Benefits in terms of learning/skill/knowledge development	The faculty members got adequate skill and basic knowledge about various aspects of IPR, guidelines
Program Coordinator (s)	Dr. Srabanti Basu, Dr. Nandan Kumar Jana, Dr. Riddhi Goswami
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	NA
Photo	Attached below
Summary Document/ Overall Report of the Activity	The FDP was inaugurated by Principal Prof. Basab Chaudhuri, who highlighted the importance of IPR in modern engineering research. In the opening session, Dr. A.C. Banerjee discussed the various guidelines and



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Pic-3: The participants of the FDP



Pic-4: Mr. Prasenjit Dasgupta delivering his talk



### IIC-6.0 Semester-II Quarter-3 Calendar Activity IIC-HITK Report: Online “Session with innovation and Start-up Ecosystem Enablers” under the Mentor-Mentee Program of MIC 2023-24

Academic Year	2023-2024
Program driven by	IIC-Narula Institute of Technology, Kolkata in collaboration with IIC- Heritage Institute of Technology, Kolkata HITK Under the Mentor-Mentee Program of MIC 2023-24
Program Supported by	IQAC-HITK
Quarter	Semester-II, Quarter-4
Activity Name	Online “Session with innovation and Start-up Ecosystem Enablers” under the Mentor-Mentee Program of MIC 2023-24
Program Date	29 <sup>th</sup> May 2024 from 2:30 pm onwards
Number of Student Participants	73
Number of Faculty Participants	29
Number of Expert Participants, If Any	2
Expenditure, If Any	Nil
Mode of Program Execution	Online (Google Meet Platform)  Video call link: <a href="https://meet.google.com/pyu-iyzv-aqr">https://meet.google.com/pyu-iyzv-aqr</a>
Objectives:	The main objective of the session is to enhance the knowledge of students and faculty on the incubation support available and the ecosystem in the state and nation.
Benefits in terms of learning/skill/knowledge development:	Knowledge of startup incubation and incubation policy in India. Funding opportunity, right environment, ecosystem enablers, startup funding, requirements for an institute to enhance the innovation ecosystem like space, mentor, networking and funding facility.
Program Coordinator (s)	Prof. (Dr.) Nandan Kumar Jana, Convener, IIC-HITK  Prof. (Dr.) Sandhya Pattanayak IIC-Narula Institute of Technology, Agarpara



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executive and always been keeping a diversified interest, he nurtured his interest of teaching in one of the premier Engineering universities of Odisha for a decade and spent most of the time with development, training and project consulting with students been an integral part of everything he does. Later bringing more diversification in the career Mr. Pattnaik joined MSME govt. of India Technology Centre as a project consultant for deploying various govt projects in rural clusters and to projects with industry 4.0 and smart manufacturing. Mr Pattnaik being keen in bringing sustainable livelihood in to rural clusters of India. In that go he had surveyed more than 100 villages in Odisha and Jharkhand to understand the opportunities of livelihood generation and its energy dependency. He had been integral in deploying two smart villages in Odisha with successful cyber physical social model. He has mentored more than 15 startups and working at grass root level towards making Odisha and Eastern India a startup Hub. He has been working with Head start Network Foundation, Bengaluru as a volunteer to nurture and promote entrepreneurship. Recently he is serving as the project Lead at DST Technology enabling center at KIIT DU Bhubaneswar.

**Key Learning and Take-Away:** Knowledge of startup incubation and incubation policy in India. funding opportunity, right environment, ecosystem enablers, startup funding, requirements for an institute to enhance the innovation ecosystem like space, mentor, networking and funding facility.

### Pictures of the Event:

The poster is for an event at Narula Institute of Technology. At the top, it lists several affiliations: NIT, AICTE Innovation Cell (Government of India), ANITE, Institution's Innovation Council, and JIS Group (Institutional Database). The main title is "Narula Institute of Technology" with the text "MAAC 'A' Accredited | NIRF Innovation Ranked | Under MAKAUT, WB". Below this, it says "PRESENTS Session with Innovation and Start-up Ecosystem Enablers For Mentee Institutes under the Mentor Mentee Scheme of MIC Organized by IIC". A list of "Mentee Institutions" includes Heritage Institute of Technology, West Bengal; MCKV Institute of Engineering, West Bengal; Global Institute of Science and Technology, West Bengal; Ramnagar College, West Bengal; and Patna Sahib Technical Campus, Bihar. Two "EMINENT SPEAKERS" are featured: Dr. Sonali Roy, Chief Operating Officer of IISER, Indian Institute of Science Education and Research, Kolkata; and B.P. Pattnaik, Lead of KIIT Technology Enabling Centre (KIIT-TEC), Sponsored by DST, Govt. of India, KIIT DU, Bhubaneswar, Odisha. The event is scheduled for 02:30 PM ONWARDS on 29<sup>TH</sup> MAY 2024.

Pic-1: Poster of the event



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### IIC-HITK-report of IIC 6.0 Q-1 report of “Session on Problem Solving and Ideation Workshop”

Academic Year	2023-2024
Program driven by	IIC-HITK & ASME HITK Student Section
Program Supported by	IQAC-HITK
Quarter	Quarter-1
Activity Name	Problem Solving and Ideation Workshop
Program Date	29.09.2023
Number of Student Participants	32
Number of Faculty Participants	03
Number of Expert Participants, If Any	Nil
Expenditure, If Any	Rs. 6500/-
Mode of Program Execution	Offline
Objectives	Ideation for innovative products & problem solving.
Benefits in terms of learning/skill/knowledge development	<ul style="list-style-type: none"><li>• New idea generation.</li><li>• Creative and out of the box thinking.</li><li>• Technological problem-solving skills.</li></ul>
Program Coordinator (s)	Prof. Sukanta Saha, Dept. of Mechanical Engineering, HITK
<b>Attachment</b>	
Video (to be uploaded in the YouTube if any)	

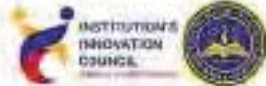


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## Problem Solving and Ideation Workshop

**September 29, 2023 @ 1.00 p.m.-5.30 p.m.**

**Venue: Innovation & Development Centre, CME 013**



Organized by  
Institution's Innovation Council,  
Heritage Institute of Technology, Kolkata

In Collaboration with  
ASME Heritage Student Section

External Expert:  
Dr. Mahuya Hom Choudhury  
Senior Scientist and Nodal Officer,  
Patent Information Centre,  
DST, Govt. of WB.



Supported by IQAC HITK



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Academic Year	2023-2024
Program driven by	IIC-HITK & Civil Engineering Department
Program Supported by	IQAC-HITK
Session	Quarter-2
Activity Name	Workshop on Design Thinking, Critical Thinking & Innovation Thinking
Program Date & Venue	30th JANUARY 2024, 11.00AM onwards at SV Auditorium
Number of Participants	240
Number of Expert Participants, If Any	NA
Expenditure, If Any	NA
Mode of Program Execution	Off line
Objectives	Design thinking and Innovation thinking
Benefits in terms of learning/skill/knowledge development	Students get interested in innovative thinking and apply in the practical field.
Program Coordinator (s)	Prof. Dr. Subhasankar Chowdhury Prof. Dr. Puja Basu Chaudhuri Prof. Rudraprasad Roy Chowdhury
Video (to be uploaded in the YouTube if any)	NA
Photo	<a href="https://drive.google.com/drive/folders/1ZaMyPRQDvDA4sfIG7hYh_ONxpIqmb67p">https://drive.google.com/drive/folders/1ZaMyPRQDvDA4sfIG7hYh_ONxpIqmb67p</a> <a href="https://drive.google.com/drive/folders/1ZIVuy4jZNoS81kYmUAp7krnN4nVRx8rj">https://drive.google.com/drive/folders/1ZIVuy4jZNoS81kYmUAp7krnN4nVRx8rj</a>
Summary Document/ Overall Report of the Activity	Prof. Arup Roy Choudhury, IIT Delhi presented a topic on "Design Thinking, Critical Thinking & Innovation Thinking" at S V Auditorium on 30th January. More than 240 students attended the lecture and enlightened their knowledge regarding innovative and creative thinking.



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### HERITAGE INSTITUTE OF TECHNOLOGY, KOLKATA

(An Autonomous Institute affiliated to MAKAUT; Accredited with "A" grade by NAAC)

#### Institution's Innovation Council (IIC) and Department of Civil Engineering in association with IQAC

Organizes

#### Workshop on Design Thinking, Critical Thinking & Innovation Thinking



#### Speaker:

**Prof. (Dr.) Arup Roy Choudhury**

Formerly:

- Professor IIT Delhi
- Principal Advisor (Infra) to GoWB,
- Chief Commissioner, WBRTPS, GoWB
- CMD NTPC Ltd. & CMD NBCC Ltd.
- Founder Chairman NTPC School of Business.

Date: 30<sup>th</sup> Jan., 2024  
Time: 11:00 A.M, onwards  
Venue: SV Auditorium

