Brainware University
398 Ramkrishnapur Road, Barasat, Kolkata 700125

Annual Report 2023-24

IIC Institute's Vision and Mission:

IIC Institute, in alignment with the Ministry of Human Resource Development (MHRD), Government of India, is committed to fostering a culture of innovation within higher education institutions (HEIs). Our vision and mission revolve around the objectives set forth by MHRD's Innovation Cell (MIC).

Vision:

To be a leading catalyst in nurturing innovation and creativity within HEIs, empowering students to transform novel ideas into tangible prototypes.

Mission:

IIC Institute is dedicated to achieving the following mission:

- Foster Innovation: We aim to create an environment that encourages and stimulates innovation among students, faculty, and staff within HEIs.
- Inspire and Empower: We seek to inspire young students and empower them by providing the necessary support and resources to work with innovative ideas during their formative years.
- Prototype Transformation: We are committed to assisting students in developing their ideas into practical prototypes, promoting hands-on learning and real-world applications.

Through these endeavors, IIC Institute aspires to contribute to the growth and development of the nation's higher education landscape, preparing students to become future innovators and change-makers.

Functions of the IIC:

- **Participation in Innovation and Entrepreneurship Activities:** Students and faculty affiliated with the IIC will have exclusive opportunities to engage in various time-bound Innovation and Entrepreneurship-related activities organized by MIC.
- **Recognition and Rewards for Innovations:** Exceptional student innovations will be acknowledged and rewarded, and their success stories will be shared to inspire others.
- **Networking for Entrepreneurs**: Entrepreneurs will have the chance to network and interact with their peers and other entrepreneurship development organizations, fostering collaboration and knowledge sharing.
- **Access to Mentorship:** Student innovators will gain access to a pool of mentors through periodic workshops, seminars, and interactions with entrepreneurs, investors, and professionals organized by the IIC.

- **Showcasing Innovative Projects:** Innovative projects undertaken by students and faculty of the University will be prominently featured on the Innovation Portal, showcasing their contributions and

creativity.

- **Hackathons and Competitions:** The IIC will organize hackathons, idea competitions, mini-challenges, and other events in collaboration with industries, providing students with hands-on problem-solving experiences.
- **Exploration of New Technologies:** Students will be encouraged to experiment with emerging technologies, visit companies, and experience the evolving culture of Entrepreneurship firsthand.

The Journey of IIC Established at the Institute:

The Ministry of Education, in its pursuit to inspire students and infuse young minds with a renewed spirit of innovation and vitality, urged all higher education institutions to establish Institution's Innovation Councils (IIC). In response to this call, Brainware University took the initiative and founded its IIC in the year 2019, with active participation from academic staff, department heads, and administrative personnel.

The establishment of this organization aimed to cultivate an innovative culture within the institution and nurture the comprehensive growth of both society and, more specifically, its students.

To empower students, Brainware University's IIC consistently organizes a series of workshops, seminars, and webinars. These events ensure that students are well-informed about the current business landscape. Seminars on entrepreneurship and Intellectual Property Rights (IPR) have been particularly successful, given the significance of embarking on an independent entrepreneurial career and addressing copyright challenges associated with new ideas and creativity. Furthermore, the IIC arranges frequent industry trips, bridging the gap between classroom learning and real-world experiences, thereby instilling confidence in students.

Students are also equipped with valuable insights on startup policies, innovative thinking, and the right mindset for entrepreneurship. Esteemed business personalities deliver motivational speeches, guiding students on their journey from job seekers to job providers. Additionally, the IIC conducts Hackathons, channeling students' creative energy towards concrete platforms. These events encourage collaboration with teachers on projects and allow students to prototype their ideas.

Notable IIC events include a one-day workshop on "The Importance of Communication in Problem-Solving," Brainware University Internal Hackathon 2K20, a seminar on "Entrepreneurship and Family Business," and a session on IPR & IP Management for Innovation & Start-ups. One of the IIC's recent initiatives was an article writing competition for students on "Contemporary Issues of Intellectual Property Rights," with sub-themes spanning various branches of science and technology, cyber science, copyright law, innovation and commercialization, patents, geographic issues, and plant science and technology.

Despite challenges, the IIC team persevered and continued their hard work. With regular events and initiatives, the committee sought to inspire an even greater number of students. The IIC of Brainware University remains committed to its mission, striving to meet its objectives and achieve success in all its future endeavors.

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IIC ID: IC201810217 | BRAINWARE UNIVERSITY (U-0846) | Star Ratings (AY 2022-23)

IIC Annual Performance Report 2022-23 | IIC Annual Performance Report 2021-22 | IIC Annual Performance Report 2020-21 | IIC Annual Performance Report 2019-20

Performance Report for the Academic Year 2022-23

Total Score: 82.33/100 | Total Reward: 25.64 | Final Star: 4/5

Activity Summary	Score Earned for Q1-Q4 Activities (I = A*80%)	Score Earned from Participation (II = B*20%)	Total Score Earned (I + II = 100)
Total no of Submitted Activities : 76	Total Score Earned for Q1-Q4 Activities : 90.63	Total Score Earned from Participation : 49.16	82.33
Total IA Verified Report : 9			
No of Approved Activities : 85			
No of Disapproved Activities : 0	I. Total Score Earned for Q1-Q4 Activities (I = A*80%) : 72.50	II. Total Score Earned from Participation (II = B*20%) : 9.83	
Disapproval % of Activities : 0.00			
Reward Point Earned : 25.6437			

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Brief mention of key functionaries at the IIC Institute

President

Dr. Asim Basak
incubationcentre@brainwareuniversity.ac.in
8240038154

Vice President

DR. DEEPSHIKHA DATTA
ded.chem@brainwareuniversity.ac.in
9583829603

Convenor

Ms. Anandita Das
asstregistrar2@brainwareuniversity.ac.in
9748771805

Coordinators

- IRF Coordinator
  Mahua Pal
  registrar@brainwareuniversity.ac.in
  98319600
- ARIIA Coordinator,Member
  Jyotirishwar Kumar
  asstregistrar@brainwareuniversity.ac.in

8013571611

- IPR Activity Coordinator
  Dr. Kaushik Benerjee
  kb.mgmt@brainwareuniversity.ac.in
  8296029146
- Innovation Activity Coordinator
  PARTHA PRATIM DASGUPTA
  ppd.cs@brainwareuniversity.ac.in
  7278771731
- Internship Activity Coordinator
  Sujit Kumar Ray
  skr.mgmt@brainwareuniversity.ac.in
  943397892
- Social Media Coordinator
  Monoj Kumar Mukherjee
  mm.promotion@brainwareuniversity.ac.in
  9831159405
- Startup Activity Coordinator
  Pankaj Kumar Sanda
  ps.ece@brainwareuniversity.ac.in
  9433403191

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

Brainware University Institutions Innovation Council							
External Member & Experts			Faculty Members & Experts			Students Member	
IPR Expert	Industry Experts	EntrepenurshipEnablers	Coordinators	Mentors	Institutional Ambassador	Member s	Students Entrepreneurs

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

Total No. of IIC Members	39 (Including external expert)
Total No. of IAs	11
Total No. of Student Member	434

Total No. of faculty Mentors	30
Pre-Incubation Units, If any	Yes
Incubation Units, If any	Yes under MSME Ministry of MSME, Govt. of India
IP Facilitation Unit, If any	NA

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

S.No.	Incubation Unit Name	Incubation Incharge Name	Incubation Incharge Email	Incubation Incharge Phone	Funding Agency/Schemes Available	Action
1	Business Incubation (BI) to provide 'Support for Entrepreneurial and Managerial Development of MSMEs'	Jyotirishwar Kumar	8013571611	asstregistrar@brainwareuniversity.ac.in	Own Resource, Other Central/State Government	

S.No.	Type	Pre-Incubation Unit Name	Pre-Incubation Incharge Name	Pre-Incubation Incharge Email	Pre-Incubation Incharge Phone	Website Url	Action
1	EDC	Entrepreneurship Development Cell (EDC)	Jyotirishwar Kumar	asstregistrar@brainwareuniversity.ac.in	8013571611	https://www.brainwareuniversity.ac.in/edc.php	

Highlight Achievements (Narrative/Graphical/tabular representation) 2023-24

Number and Different types of I&E and IPR activities Conducted	76
No. of student's & faculty ideas generated	190
No. of students & faculty Innovation/prototypes developed	70
No. of IPs generated, published and granted	No of Patent Published: 91 No of Patent Granted: 8
No. of Student and faculty Start-ups/Ventures established.	Nil
Amount spent on promotion and awareness generation on Innovation Entrepreneurship on the campus	₹ 2,74,927.5
Amount grant or fund supported to student and faculty lead Innovations, start-ups and IPR	₹ 6,15,534
No. of Technology Transfer and Commercialization happened	NA

Activity-2023-24

Total Activities: 73

IIC Activities Announced: 30
IIC Activities Submitted: 28

MIC Activities Announced: 7
MIC Activities Submitted: 6

Self-Activities Announced: 27
Self-Activities Submitted: 27

Celebration Announced: 12
Self-Activities Submitted: 12

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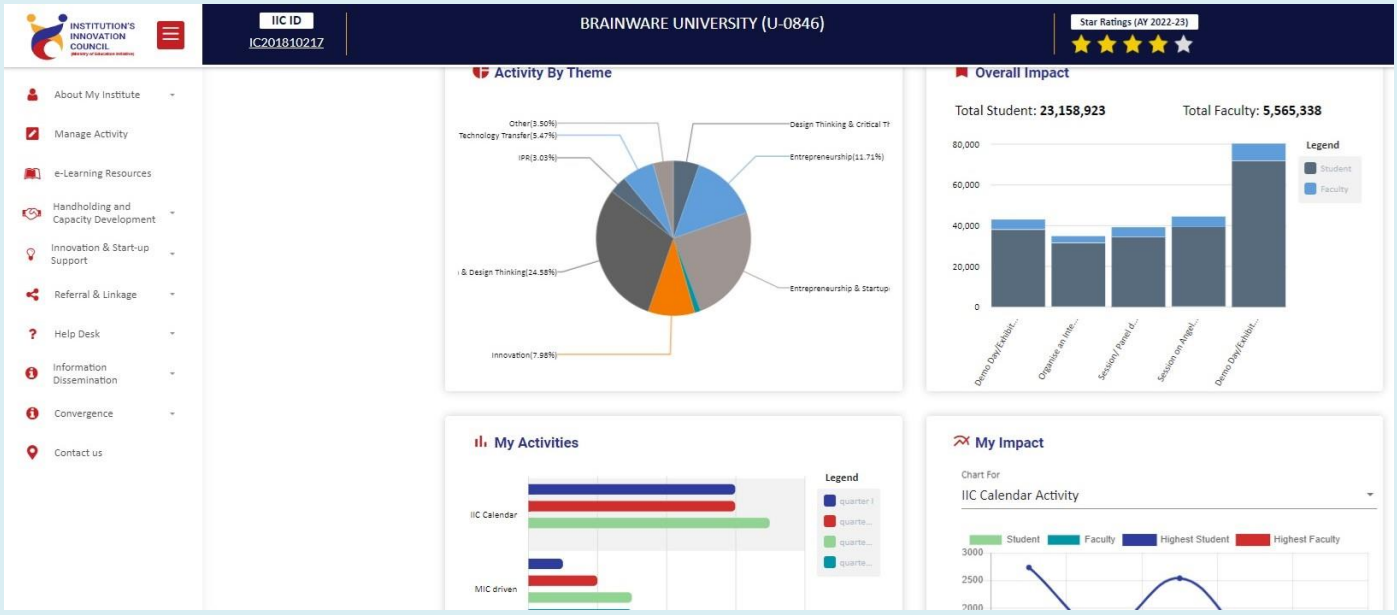
TECH CLUB

Brainware University's Tech Club, in alignment with the objectives of the Institution's Innovation Council (IIC), organizes a diverse array of events, including technical workshops, social gatherings, and community outreach activities. The IIC aims to foster a culture of innovation and entrepreneurship within the university. Students are highly encouraged to join these clubs, as participation not only enhances their resumes but also plays a crucial role in developing technical skills, fostering innovation, and gaining expertise in their chosen fields. This involvement provides valuable hands-on experience, contributing to both personal and professional growth.

EVENTS ORGANIZED



Some Major Activities/Events-2023- 24

- **Name of the Event:Panel Discussion-** Empowering paramedical / Allied Healthcare Professionals : Pathways to Early Entrepreneurship

Date of the Event: 30th August, 2024
No. of Student Participants:130

Speakers:

GUEST 1. MR. SUPORNO DAS (FOUNDER CEO, BENGAL REHABILITATION GROUP, KOLKATA)

GUEST 2. Dr. Ritam Chakrabarty, {MD (Immuno-Hematology & Blood Transfusion), Consultant, Transfusion Medicine, MANIPAL HOSPITAL, DHAKURIA}

GUEST 3: Sanjeev Kumar Roy (Branch Sales Manager, Chola Mandalam investment and finance company Ltd.)

Empowering the Future of Healthcare: Pathways to Early Entrepreneurship

On August 30, 2024, the Department of Allied Health Sciences at Brainware University, in collaboration with the Institution's Innovation Council (IIC), hosted a dynamic session titled **"Accelerators/Incubation – Opportunities for Students & Faculties: Early-Stage Entrepreneurs."** This event was a significant initiative aimed at empowering paramedical and allied healthcare professionals by providing them with the knowledge and resources needed to embark on entrepreneurial journeys at an early stage.

- **Name of the Event:** Practical Workshop & Intra Start Up Competition: World Entrepreneurship Day – Fire side chat with - Mr. Binod Homagi, Founder Wow Momo

Date of the Event: 23rd August, 20234
No. of Student Participant: 300
Guest: Mr. Binod Homagi, Founder Wow Momo

Manzilen hain to raaste hain, raaste hain to mushkilen hain, mushkilen hain to hosle hain...'
Starting with Javed Akhtar's quote, Binod Kumar Homagai, Co-founder, Wow Momo, started talking about his journey at the fireside chat that had been organised in Celebration of World Entrepreneurship Day. He came from a Nepali family, where he used to see momos being made. While in one of the joint study sessions during his college days, one of his co-founders asked him if he could build a brand through his momos and thus began his journey!
Reminiscing about his family, he discussed how his parents believed in him and helped him become an Entrepreneur. He shared how Wow Momo struggled to find manpower early on, but now they have over 60,000 employees!

- **Name of the Event: Texibition 2K24**

Include following events:
Texibition 2K24- The Festival Will Include the Following Events:

1. The Hands-on Workshop and Hackathon on GenAI within Intel DevCloud

2 .The Architect (Prototype Competition)

3 .The PixelPulse (Poster Presentation)

4. The Prompters

5. The Legends (Gaming Competition)

- Call of Duty
- Free Fire
- BattleGround Mobile (BGMI)
- PES

6. The Bluster (Coding Competition)

Code Golf

Date of the Event: 28 & 29 May, 2024
No. of Student Participants: 500

Ready for tech magic? Join us at Braiwnare's Texibition 2k24, hosted by Tech Club and the Institute Innovation Council!

This Annual Tech Fest is a dynamic event that celebrates the innovative spirit and technical skills of students! Day 1 kicked off with 'Pixel Plus,' a Poster Presentation spanning AI to Biotechnology, and 'Architecture,' where students built innovative models with integrated automation! Gamers got their fix with 'The Legends,' featuring epic battles in COD, Free Fire, and more.

The excitement peaked with a hands-on Gen AI workshop and Hackathon on Intel DevCloud, diving deep into LLMs and Gen AI. This year's fest truly showcased the limitless creativity and tech prowess of our students! The prize distribution took place on the second day of the event where the efforts and innovations of the students were encouraged and appreciated. Brainware University focuses on building innovators of tomorrow. In that respect, these kinds of events are an encouragement for the students.

- **Name of the Event: National Startup Day- "Insights on the Startup Journey" celebrating National Startup Day**

Date of the Event: 29th February 2024
No. of Student Participants: 200
Guest: Dr. Mr. Tamal Mondal, CEO of OZO Media & Mr. Ishraque Ahmed , COO of OZO Media

It's a full-circle moment for Brainware Alumni as we welcome back two of our own shining stars, Tamal Mondal, CEO, OZO Media, and Ishraque Ahmed, COO, OZO Media! From once sitting in the audience, they're

now on stage inspiring and sharing their incredible journey with our Management students. Their story is a testament to the power of dedication, innovation, and the support of a nurturing institution like Brainware. Let's celebrate this successful role our institution has played in shaping careers! Here's to the next generation of trailblazers!

SMART INDIA HACKATHON 2023

Total participation count	Total Approved Count	Total Disapproved Count
65 groups	30+5	30

Number and Different types of I&E and IPR activities Conducted	72
No. of students & faculty ideas generated-SIH 2023	65
No. of students & faculty Innovation/prototypes developed	35
No. of ideas selected for the finals	04

Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the in Innovations at different forum

A prototype submitted as Proof of Concept by one of our students, Ms. Shreya B. Tech, CSE and her team, has been nominated for regional level mentoring under the IIC National Innovation Contest 2020 announced and held by MHRD's Innovation Cell in February, 2020.

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

Innovation 1

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Team Name	Problem Statement Domain	Problem Statement No.	Problem Statement Title	Student ID	Name	Sex	Email ID	Contact No.
WASTE WORRIORS	Hardware	SIH1425	Technological solutions for Early decomposition of fecal matter	BWU/BBT/22/062	Ujjal Dey	Male	deyujjal84541@gmail.com	6294036360
				BWU/MMB/22/027	Attiya Mosarrat Akhtar	Female	bwummb22027@brainwareuniversity.ac.in	8388078594
				BWU/MMB/22/008	Moksedul Hossain	Male	moksedulhossain367@gmail.com	9382240948
				BWU/BBT/22/077	Aniket Das	Male	daniket147@gmail.com	9875614001
				BWU/BBT/22/109	Soumyadip Mazumder	Male	bwubbt22109@brainwareuniversity.ac.in	8637831580
				BWU/BBT/22/071	Epsa Parvin	Female	epsaparvin@gmail.com	7076093191

Problem statement - Technological solutions for Early decomposition of fecal matter

Solution-The proposed solution for the "Technological Solutions for Early Decomposition of Fecal Matter" involves accelerating the natural decomposition process through innovative biotechnological and engineering methods.

1. Enhanced Microbial Action: The solution utilizes specialized microbial inoculants that are engineered to break down fecal matter more rapidly than conventional methods. These microbes are introduced into the waste collection system, where they immediately begin the decomposition process, converting fecal matter into simpler, non-toxic compounds.

2. Aerobic Digesters: The system incorporates aerobic digesters that provide optimal conditions—such as temperature, oxygen levels, and moisture content—for microbial activity. These digesters are designed to maximize the surface area of waste, ensuring that microbes can act more efficiently.

3. Bio-Enzyme Additives: The solution includes bio-enzymes that further accelerate the breakdown of organic material in fecal matter. These enzymes target specific components like cellulose and lignin, speeding up their decomposition into biodegradable byproducts.

4. Heat and pH Control: The system features automated controls to maintain the ideal temperature and pH levels required for microbial and enzymatic activity, ensuring consistent and rapid decomposition.

5. Monitoring and Maintenance: An IoT-based monitoring system tracks the decomposition progress in real-time, allowing for adjustments to microbial or enzyme levels, temperature, and other factors to optimize the process. This system also alerts maintenance teams when the process is complete or if intervention is needed.

Innovation 2

Team Name	Problem Statement Domain	Problem Statement No.	Problem Statement Title	Student ID	Name	Sex	Email ID	Contact No.
Code Karma India	Software	SIH1344	AI-based tool for preliminary diagnosis of Dermatological manifestations.	BWU/BTS/20/020	Nilesh Maity	Male	bwubts20020@brainwareuniversity.ac.in	6291278568
				BWU/BTS/20/002	Akash Das	Male	bwubts20002@brainwareuniversity.ac.in	6291738017
				BWU/BTS/20/019	Swapneel Biswas	Male	bwubts20019@brainwareuniversity.ac.in	6289721867
				BWU/BTS/20/027	Avik Saha	Male	bwubts20027@brainwareuniversity.ac.in	8617212467
				BWU/BTA/22/329	Aritwa Saha	Male	bwubta22329@brainwareuniversity.ac.in	9734876490
				BWU/BTA/22/082	Soumita Sadhu	Female	bwubta22082@brainwareuniversity.ac.in	9073473195

Problem statement - AI-based tool for preliminary diagnosis of Dermatological manifestations.

Solution-The proposed solution for the "AI-based Tool for Preliminary Diagnosis of Dermatological Manifestations" is a smart diagnostic system designed to assist healthcare providers in identifying skin conditions efficiently and accurately.

1. AI-Powered Image Analysis: The tool uses advanced AI algorithms, particularly deep learning models, to analyze high-resolution images of skin lesions or abnormalities. It is trained on a vast dataset of labeled dermatological images, enabling it to recognize patterns and features associated with various skin conditions such as eczema, psoriasis, acne, or skin cancer.

2. User-Friendly Interface: The application is designed with an intuitive interface, allowing users to upload images captured by a smartphone or dermatoscope. The system guides users through the image capture process to ensure clarity and proper lighting, which are crucial for accurate analysis.

3. Real-Time Diagnosis: Once an image is uploaded, the AI processes it in real-time, comparing it against its database and providing a preliminary diagnosis within seconds. The system highlights the most likely conditions and offers confidence scores to indicate the certainty of its predictions.

4. Recommendations and Next Steps: The tool also provides recommendations for further action, such as advising whether a visit to a dermatologist is necessary, suggesting over-the-counter treatments, or flagging potential severe conditions that require urgent care.

5. Data Privacy and Security: All data is securely stored and anonymized, ensuring patient confidentiality. The system complies with healthcare data regulations such as HIPAA.

Innovation 3

Team Name	Problem Statement Domain	Problem Statement No.	Problem Statement Title	Student ID	Name	Sex	Email ID	Contact No.
WOMEN IN	Hardware	SIH1426	Technological	BWU/BBT/21/070	Rupi Bharti	Female	bwubbt21070@brainw	9773622092

GREEN			solutions for safe disposal of menstrual waste				areuniversity.ac.in	
				BWU/MBT/22/008	Tania Pramanick	Female	bwumbt22008@brainwareuniversity.ac.in	7908256737
				BWU/MBT/22/007	Nikita Kumari	Female	bwumbt22007@brainwareuniversity.ac.in	7979953239
				BWU/MBT/22/020	Prachi Mehta	Female	bwumbt22020@brainwareuniversity.ac.in	7903381487
				BWU/MBT/22/010	Vaswati Bhowmick	Female	bwumbt22010@brainwareuniversity.ac.in	7980033923
				BWU/MBT/22/011	Sumaiya Fatma	Female	bwumbt22011@brainwareuniversity.ac.in	9771639472

Problem statement - Technological solutions for safe disposal of menstrual waste

Solution-The proposed solution for the "Call for Toilet Technology" problem statement focuses on creating an innovative, sustainable, and hygienic toilet system that addresses sanitation challenges in both urban and rural areas.

1. Design and Infrastructure: The toilet system features a modular design, making it easy to install in diverse locations, including remote areas. The structure is built using eco-friendly, durable materials that require minimal maintenance. It includes a waste-separation mechanism to segregate liquid and solid waste at the source.

2. Waste Management: The system incorporates a biological waste treatment process using anaerobic digestion and composting. Solid waste is converted into organic compost, which can be used in agriculture, while liquid waste is treated and purified for safe discharge or reuse in non-potable applications like irrigation or cleaning.

3. Water Efficiency: The toilet uses a minimal amount of water for flushing and has options for waterless operation, making it ideal for areas with water scarcity. Rainwater harvesting systems can be integrated to supply water for flushing and cleaning.

4. Technology Integration: The solution includes IoT-based monitoring for maintenance, waste levels, and usage patterns. Sensors provide real-time data to a centralized system, enabling timely maintenance and ensuring the toilet remains clean and operational.

5. Community Engagement: Educational programs accompany the technology to promote hygiene and encourage the proper use of the system, ensuring long-term success and community adoption.

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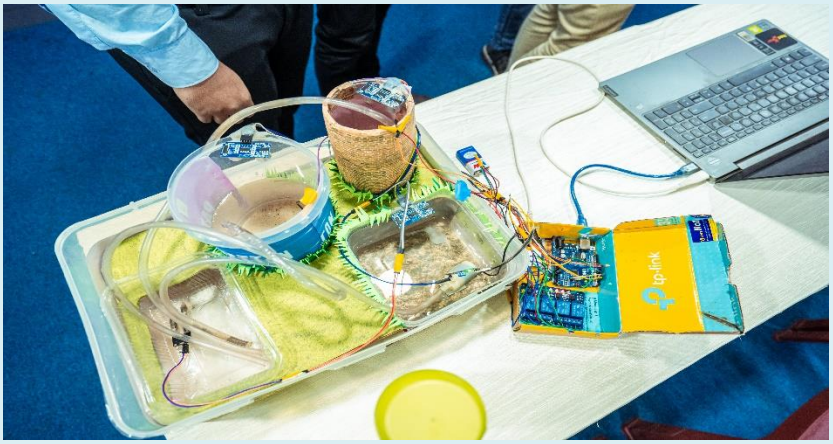
Innovation 4

Team Name	Problem Statement Domain	Problem Statement No.	Problem Statement Title	Student ID	Name	Sex	Email ID	Contact No.
Tech Maniac	Hardware	SIH1478	Students Innovation (Agriculture, Foodtech, Rural Development)	BWU/BTA/21/014	Debojyoti Bhuinya	Male	wubta21014@rainwareuniversity.ac.in	8582829379
				BWU/BTA/21/022	Gargi Chakraborty	Female	bwubta21022@brainwareuniversity.ac.in	8777384622
				BWU/BTA/21/002	Akash Das	Male	bwubta21002@brainwareuniversity.ac.in	9800866506
				BWU/BTA/21/011	Subhamay Ganguly	Male	bwubta21011@brainwareuniversity.ac.in	6289658522
				BWU/BTA/21/025	Mukesh Kr. Gupta	Male	bwubta21025@brainwareuniversity.ac.in	7047563191
				BWU/BTA/21/028	Sourav Nandi	Male	bwubta21028@brainwareuniversity.ac.in	6297014029

For the "Students Innovation in Agriculture" problem statement, the solution centers on developing a smart agriculture platform that harnesses technology to improve crop management, enhance sustainability, and increase farmers' income. The platform will incorporate IoT-based sensors to monitor soil moisture, nutrient levels, and weather conditions in real-time. This data will be analyzed using AI algorithms to provide farmers with actionable insights, such as the optimal time for planting, watering, and harvesting crops.

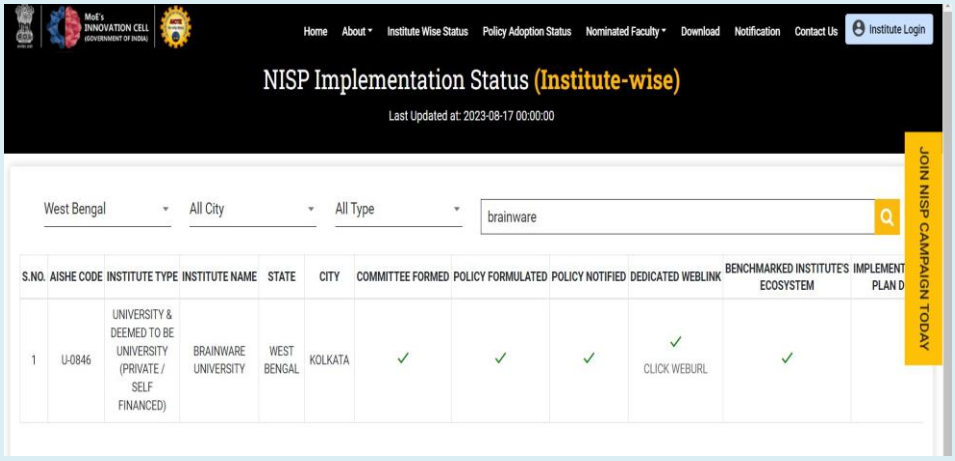
The solution also includes a mobile application that allows farmers to access these insights, receive alerts, and track their farm's performance. Additionally, the platform will feature a predictive analytics tool that forecasts crop yields based on historical data and current conditions, helping farmers plan better and reduce losses.

To support sustainable farming practices, the platform will promote the use of organic fertilizers, crop rotation, and integrated pest management techniques. It will also connect farmers with agricultural experts for personalized advice and with local markets to sell their produce directly to consumers, ensuring fair prices.By integrating technology and sustainable practices, this solution aims to boost agricultural productivity, enhance environmental stewardship, and improve the livelihoods of farmers.



- **ARIIA – BRAINWARE UNIVERSITY [ARI-U-0846] Participated Certificate**

- **NISP Adoption status - Policy Formulation & Policy Implementation**



- **Detail of Social Media & Connections of IIC institute**

https://www.facebook.com/brainwareuniversity
https://twitter.com/BrainwareTweet
https://www.linkedin.com/school/brainwareuniversity/
https://www.instagram.com/brainware_university_kolkata/

Patents

Year	Patent Published Date - Granted Date (DD-MM-YYYY)	Process/Design	Patent From	Application No.	Title of the Patent
2024	Tuesday, April 23, 2024	Design	India	392039-001	Cyber Security enabled Medical Device
2024	Thursday, April 4, 2024	Design	India	403719-001	IOT BASED SOLAR POWERED TEMPLE WASTE COMPOSTING APPARATUS
2024	Wednesday, April 3, 2024	Design	UK	6342084	Computer based Hyperspectral Imaging Camera for Diseased Plants Capturing

2024	Friday, August 2, 2024	Process	India	202431055575 A	A SYSTEM AND METHOD FOR REVERSING PESTICIDE-INDUCED APLASTIC ANEMIA USING RECOMBINANT SONIC HEDGEHOG
2024	Friday, August 9, 2024	Process	India	21346-001	WASTE SORTING ROBOT
2024	Friday, August 9, 2024	Process	India	202431055574 A	A METHOD FOR PRODUCING BIOPLASTICS FROM USED CIGARETTE BUTTS
2024	Friday, August 9, 2024	Process	India	202431055572 A	A METHOD AND SYSTEM FOR EXTRACTING AND REUTILIZING FILTER MEMBRANE FROM USED CELLULOSE ACETATE OF CIGARETTE BUTTS
2024	Friday, August 9, 2024	Process	India	.202431055570 A	A SYSTEM AND METHOD FOR PRODUCING BIOPLASTIC FROM RECYCLED CELLULOSE ACETATE IN CIGARETTE BUTTS
2024	Friday, August 9, 2024	Process	India	202431055573 A	A SYSTEM AND METHOD FOR PRODUCING BIOPLASTICS FROM WASTE PEELS OF ELEPHANT FOOT YAM
2024	Friday, February 2, 2024	Process	India	202431005360 A	A NOVEL PLANT-MICROBIAL CONSORTIUM COMBINATION FOR IN-SITU ARSENIC BIOREMEDIATION
2024	Friday, February 2, 2024	Process	India	202431005368 A	REVOLUTIONIZING HYGIENE WITH BAMBOO SHEAT PORTABLE TOILET WITH ANTIMICROBIAL PROPERTIES AND EARTH-FRIENDLY DISPOSAL
2024	Friday, February 2, 2024	Process	India	202431005364 A	AI - ENABLED SMART BLOOD TEST REPORT ANALYZER
2024	Friday, February 2, 2024	Process	India	202431005365 A	SMART TRAFFIC CONTROL SYSTEM FOR EFFICIENTLY CONTROLLING REAL-TIME TRAFFIC
2024	Friday, February 2, 2024	Process	India	202431005366 A	MITIGATING NITROGEN OXIDE EMISSIONS IN CLOUD DATA CENTERS FOR A GREENER FUTURE
2024	Friday, February 2, 2024	Process	India	202431005367 A	A COMPREHENSIVE HIGH-QUALITY RNA EXTRACTION PROTOCOL FOR A RANGE OF VARIETIES AND TISSUE TYPES OF THE LEGUMINOUS CROP PIGEONPEA

2024	Friday, February 2, 2024	Process	India	202431005363 A	ELECTRO-OPTICAL CIGARETTE DETECTING DEVICE IN COLLEGE GATE USING IOT DEVICES
2024	Friday, February 2, 2024	Process	India	202431005362 A	BLOCKCHAIN-DRIVEN TRIPLE-ENTRY ACCOUNTING SYSTEM FOR ENHANCED TRANSPARENCY AND SECURITY IN FINANCIAL TRANSACTIONS
2024	Friday, February 2, 2024	Process	India	202431005359 A	SUSTAINABLE INDOOR AIR QUALITY IMPROVEMENT USING AQUA ALGAE-BASED FILTRATION SYSTEMS
2024	Friday, February 2, 2024	Process	India	202431005368A	Revolutionizing hygiene with bamboo sheat portable toilet with antimicrobial properties and earth-friendly disposal
2024	Friday, February 2, 2024	Process	India	2.02431E+11	The Role of AR/VR in Pioneering Smart Education
2024	Thursday, February 1, 2024	Process	US	18/481,143	Bioactive Nano Fibre Dressing for Treating Wounds and a Method for Preparation Thereof
2024	Friday, February 9, 2024	Process	India	202411003406 A	PHYTOCHEMICAL SCREENING AND ANTI-INFLAMMATORY ACTIVITIES IN SEVERAL EXTRACT OF LACTUCA SATIVA L- VAR. CRISPA
2024	Friday, February 2, 2024	Process	India	20241005364A	AI-Enabled Smart Blood-Test Report Analyzer
2024	Friday, January 26, 2024	Process	India	2.02441E+11	Optimizing Supply Chain Operations with IoT and Data Analytics
2024	Thursday, January 11, 2024	Design	UK	6335745	RESPIRATION MONITORING DEVICE
2024	Friday, July 12, 2024	Process	India	2.02431E+11	An imported adptive human computer interaction system with machine learning interface.
2024	Friday, July 19, 2024	Process	India	2.02431E+11	AN ARTIFICIALLY INTELLIGENT REAL-TIME DECISION SUPPORT SYSTEM FOR ENHANCED BUSINESS INTELLIGENCE AND MANAGEMENT OPTIMIZATION

2024	Friday, July 26, 2024	Process	India	202431055571 A	COMBINATION GEL FORMULATION OF CLOVE AND CORIANDER OIL FOR TREATING PERIODONTAL INFLAMMATION
2024	Friday, July 26, 2024	Process	India	2.02431E+11	AI MODEL FOR INTEGRATION OF HETEROGENEOUS POLLUTION DATA IN MOBILE DEVICES
2024	Friday, July 5, 2024	Process	India	202441049548 A	AI AND MACHINE LEARNING PERSPECTIVES ON THE CARDIOVASCULAR EFFECTS OF LUNG CANCER
2024	Friday, July 26, 2024	Process	India	202431055576 A	FORMULATION OF AKSS16-LIV01: A MULTI-HERBAL MEDICINE FOR HEPATIC DISORDER MANAGEMENT
2024	Friday, July 26, 2024	Process	India	202431055578 A	Formulation of Potent Killing Agent of Mycobacterium smegmatis
2024	Friday, July 5, 2024	Process	India	202441046684 A	PREDICTIVE MODELLING AND ANALYSIS FOR FINANCIAL OPPORTUNITIES: A COMPREHENSIVE APPROACH USING DYNAMIC SOCIAL NETWORK
2024	Friday, July 19, 2024	Design	India	417486-001	AI - Driven Fraud Detection Device for Financial Transactions
2024	Monday, July 1, 2024	Process	UK	6373619	Device For Transparent Blockchain Communication
2024	Friday, June 7, 2024	Design	India	2.02411E+11	INTELLIGENT WASTE CONTAINER WITH REAL-TIME MONITORING AND ADAPTIVE ROUTE PLANNING
2024	Friday, June 14, 2024	Design	India	2.02431E+11	A DEVICE AND SYSTEM FOR SMART COLLECTION OF ENERGY IN AUTONOMOUS INTERNET OF THINGS (IoT) NETWORKS
2024	Wednesday, June 26, 2024	Design	India	416690-001	PORTABLE DEVICE FOR MEASURING HIV & HEPATITIS THROUGH SALIVA
2024	Friday, June 14, 2024	Process	India	2.02431E+11	AN ADVANCED MATHEMATICS AND MACHINE LEARNING BASED METHOD FOR PROACTIVE CYBERSECURITY THREAT DETECTION AND MITIGATION

2024	Friday, March 15, 2024	Design	India	404460-001	MULTICHAMBERED DEVICE TO PERFORM PHYTOCHEMICAL ANALYSIS
2024	Wednesday, March 27, 2024	Process	South Africa	2023/08112	A SYSTEM AND METHOD FOR ENHANCING THE QUALITY OF SERVICE OF THE INTERNET OF MEDICAL THINGS
2024	Wednesday, May 29, 2024	Copyright	India	L-148423/2024	MARKETING TOOLS AND IMPACT OF MODERN DIGITAL MARKETING
2024	Friday, May 31, 2024	Process	India	2.02431E+11	A SECURE IOT HEALTHCARE SYSTEM WITH DEEP LEARNING BASED ACCESS CONTROL
2024	Friday, May 24, 2024	Process	India	202441037834 A	ON APPLICATION AND IMPLEMENTATION OF AN AUTOMATED KNOWLEDGE GENERATION AND DECISION-MAKING SYSTEM FOR DYNAMIC SOCIAL NETWORKS IN SOCIAL MANAGEMENT DOMAIN
2023	Saturday, December 23, 2023	Trademark	India	Trdae Mark No: 5759173	FIATLEXICA
2023	Friday, December 1, 2023	Process	India	202331049757 A	COATING ACTIVITIES OF NOVEL GUM POLYSACCHARIDE OBTAINED FROM THE BARK EXUDATE OF Buchanania lanzan AND METHOD THEREOF
2023	Friday, December 1, 2023	Process	India	202331053726 A	A TOPICAL SOLID LIPID NANO-PARTICULATE SYSTEM AND METHOD OF FOR FORMULATION AND EVALUATION OF ACECLOFENAC
2023	Friday, December 1, 2023	Process	India	2.02331E+11	A topical solid lipid nano-particulate system and method of for formulation and evaluation of aceclofenac
2023	Wednesday, July 26, 2023	Process	India	384329-001	DEVICE FOR DETECTION OF MELANOMA SKIN CANCER
2023	Friday, July 21, 2023	Process	India	202311043209 A	Blockchain and IOT's role in the Indian banking sector's digital transition

2023	Friday, November 10, 2023	Process	India	202331058276 A	A SYSTEM AND METHOD FOR EFFICIENT DATA PACKET TRANSMISSION POLICY OF LEADER DRONE IN CLUSTERED FLYING AD-HOC NETWORK
2023	Friday, November 10, 2023	Process	India	202331075383 A	ANTICANCER SILVER NANO PARTICLE FROM FERMENTED WATER CHESTNUT EXTRACT
2023	Friday, November 10, 2023	Process	India	202331075371 A	CRACKING CODES FOR KEYPAD LOCKING SYSTEMS IN CALL LOCK
2023	Friday, November 10, 2023	Process	India	202331075376 A	DESIGN AND DEVELOPMENT OF MANUALLY OPERATED SPRING-TOOTH WEEDER FOR HORTICULTURAL CROPS
2023	Friday, November 10, 2023	Process	India	202331075375 A	DOSE OPTIMIZATION OF NOVEL INSECTICIDAL COMPOUND (CHLORANTRANILIPROLE 600 SC) FOR THE CONTROL OF LEPIDOPTERAN PESTS IN GROUNDNUT
2023	Friday, November 10, 2023	Process	India	202331075373 A	DOSE OPTIMIZATION OF SEAWEED EXTRACTS AS BIO-STIMULANT FOR GROWTH AND YIELD AUGMENTATION OF SUMMER RICE
2023	Friday, November 10, 2023	Process	India	202331075384 A	MINIATURIZED TEMPERATURE REGULATED STORAGE BOX FOR VERSATILE APPLICATION - A SOLAR POWER TAILORED APPROACH
2023	Friday, November 10, 2023	Process	India	202331075381 A	OPTIMIZATION OF STORAGE CONDITION FOR LENTIL (LENS CULINARIS L
2023	Friday, November 10, 2023	Process	India	202331075386 A	PRODUCTION OF POTASSIUM NANOPARTICLES FROM CORIANDRUM SATIVUM- A POTENT NANO-BIOFERTILIZER
2023	Friday, November 10, 2023	Process	India	202331075374 A	TLD BADGE STORAGE DEVICE

2023	Friday, November 17, 2023	Process	India	202331075372 A	SUGAR-FREE WINE FROM MAHUA
2023	Thursday, November 23, 2023	Process	UK	6326093	AI based laboratory vacuum evaporator for Pharmaceutical use
2023	Friday, November 24, 2023	Process	India	202331076273 A	UNVEILING THE BENEFITS OF SIMVASTATIN AND EZETIMIBE COMBINATION IN CARDIOVASCULAR RISK REDUCTION
2023	Friday, November 24, 2023	Process	India	202331075382 A	AI-OPTIMIZED PORTABLE SOLAR AND RENEWABLE ENERGY EV CHARGER
2023	Wednesday, November 29, 2023	Process	India	400946-001	Design of a special bed for aged individuals and patients suffering from urinary incontinence
2023	Friday, November 24, 2023	Process	India	202331075380 A	CELESTIAL GAS: A PARADIGM-DEFYING NON-INTRUSIVE GAS CYLINDER LEVEL DETECTION MARVEL
2023	Friday, November 10, 2023	Process	India	2.02331E+11	DOSE OPTIMIZATION OF SEAWEED EXTRACTS AS BIO-STIMULANT FOR GROWTH AND YIELD AUGMENTATION OF SUMMER RICE
2023	Friday, October 27, 2023	Process	India	202331058282 A	A GLOBAL CENTRALITY MEASURING SYSTEM TO IDENTIFY THE BEST SOCIAL SPREADER FROM DIRECTED COMPLEX NETWORK
2023	Friday, October 13, 2023	Process	India	202331049754 A	NICKEL THIOSEMICARBAZONE COMPLEXES AS NOVEL ANTICANCER DRUG TOWARDS HUMAN BREAST CARCINOMA CELL LINE
2023	Friday, October 20, 2023	Process	India	202331058281 A	AN AUTOMATED CIRCULAR TREADMILL WITH ADVANCED SENSORY CONTROL FOR RODENTS
2023	Friday, October 20, 2023	Process	India	202331065436 A	A NOVEL APPROACH FOR THE SYNTHESIS AND CHARACTERIZATION OF NANOPARTICLES WITH ENHANCED CATALYTIC ACTIVITY

2023	Friday, October 13, 2023	Process	India	202331053801 A	MINIMIZATION OF LEAKAGE CURRENTS AND REDUCTION OF AREA OF MOSFET STRUCTURE FOR CMOS TRANSISTOR CIRCUITS IN THE SEMICONDUCTOR INDUSTRY
2023	Friday, October 13, 2023	Process	India	202331049761 A	A COMPREHENSIVE HEALTHCARE APPLICATION FACILITATING APPOINTMENT SCHEDULING AND COMMUNICATION BETWEEN PATIENTS, CLINICIANS, AND DOCTORS
2023	Friday, October 13, 2023	Process	India	202331049759 A	A WATER BOTTLE WITH STORAGE CAPACITY IN THE BOTTLE CAP FOR STORING ORS POWDER AND SMALL MEDICINE
2023	Friday, October 13, 2023	Process	India	202331049758 A	A SPECIFIC ISOMETRIC RELAXATION TRAINING IN MANAGING TYPE 2 DIABETES MELLITUS
2023	Friday, October 13, 2023	Process	India	202331049755 A	A SMART SOIL MOISTURE SENSOR AND WATERING SYSTEM FOR SMART AGRICULTURE AND METHOD THEREOF
2023	Friday, October 13, 2023	Process	India	202331049752 A	VENTURE CAPITAL INVESTMENTS IN AN ENTREPRENEUR OWNERSHIP MODEL AND PRACTICES TO ADDRESS THE OWNERSHIP ISSUES AND START-UP FAILURE
2023	Wednesday, October 25, 2023	Process	India	395102-001	PORTABLE BIOMEDICAL REFRIGERATOR FOR STORAGE OF ANIMAL TISSUE SAMPLES
2023	Thursday, October 5, 2023	Design	UK	6291829	A biomedical device for visualizing haematopoiesis as a stochastic process
2023	Friday, October 20, 2023	Process	India	202331058279 A	Dose Optimization Using Gamma Irradiation for Different Crop Species
2023	Friday, October 20, 2023	Process	India	202331058277 A	A METHOD FOR DEVELOPMENT OF HYBRIDS UTILIZING HETEROSIS IN SWEET PEPPER
2023	Monday, October 30, 2023	Process	India	202331058274 A	AN AUTOMATING WATER QUALITY ASSESSMENT SYSTEM USING IOT-ENABLED DRONE

2023	Wednesday, October 11, 2023	Process	India	202331075385 A	SPEECH-TO-TEXT COMMAND EXECUTER FOR SPECIALLY-ABLED PEOPLE
2023	Friday, October 20, 2023	Process	India	202331058278 A	A SMART RECYCLING BIN WITH INTEGRATED SORTING AND REWARD SYSTEM
2023	Friday, October 13, 2023	Process	India	202331049760 A	A LEGAL CHATBOT USING NATURAL LANGUAGE PROCESSING AND METHOD THEREOF
2023	Friday, October 13, 2023	Process	India	202331049753 A	A REAL-TIME SURVEILLANCE SYSTEM FOR CRIME PREVENTION AND MOB VIOLENCE MANAGEMENT AND METHOD THEREOF
2023	Friday, October 13, 2023	Process	India	202331049756 A	An Automated Market Analysis And Trading System For Stock Market
2023	Saturday, October 21, 2023	Process	UK	6318434	Automated inventory management device using RFID technology
2023	Wednesday, October 18, 2023	Process	UK	6318123	Pesticide Spraying Drone with Integrated Crop Disease Detection System
2023	Friday, September 15, 2023	Process	India	202341042968 A	REGULATING SESSION LAYER THREATS IN REAL TIME IOT ENVIRONMENTS EMPLOYING MACHINE LEARNING BASED PRE
2023	Wednesday, September 6, 2023	Design	India	388227-001	CONTROL PANEL SHIELDING FOR RADIOGRAPHY EQUIPMENT

Testimonials about the IIC Institute and Ministry of Education's (MoE) Innovation Cell:

Testimonial 1:
"In alignment with the directives from the Innovation Cell, Ministry of Education, Government of India, our university has successfully established the Institution Innovation Council (IIC). The IIC's primary mission is to foster innovation and entrepreneurial thinking within our academic community. Throughout the year, the IIC actively engages in various activities to promote and support innovation and startup culture on campus. As the President of IIC and Professor of The Department of Allied Health Sciences, I fully endorse and am committed to these vital initiatives."- Dr. Asim Basak, Prof & President IIC, BWU

Testimonial 2
"We are deeply proud of the Institutions Innovation Council program initiated by the Ministry of Education. This

initiative has profoundly influenced our students and faculty, especially in areas such as ideation, prototyping, intellectual property rights (IPR), entrepreneurship, and startup culture. Brainware University extends its heartfelt congratulations to the MoE Innovation Cell for their unwavering dedication to nurturing innovation across India." — Jyotirishwar Kumar, Assistant Registrar, Brainware University

Testimonial 3:

"The remarkable commitment of our Institution Innovation Councils (IICs) deserves high praise. Their relentless efforts in mentoring young talent through pre-incubation processes, hands-on activities, and the journey from concept to prototype are truly inspiring. The IICs have hosted a wide range of workshops, seminars, and creative initiatives that have actively engaged our students in innovative pursuits. We greatly appreciate their original ideas, which have not only gained recognition but also sparked creativity in many others. A big thank you to the IICs for their exceptional contributions!" — Dr. Deepshikha Datta, Vice President IIC, BWU

Testimonial 4:

"The Institution Innovation Council (IIC) has become an essential platform for both educators and students, offering them the tools and guidance needed to develop and refine their ideas. The frequent webinars and seminars with leading entrepreneurs sharing insights on the startup journey have been highly valued by our community. Our IIC stands as a vibrant center for innovation and creativity. We deeply appreciate the Ministry of Education's IIC for consistently encouraging us to seek student input, embrace new initiatives, and strengthen our support for their growth." — Anandita Das, Assistant Registrar and Convener IIC, Brainware University

Testimonial 5

"At Brainware University, our unwavering commitment to nurturing innovation and academic excellence has always been central to our mission. Our collaboration with the Ministry of Education's Institutions Innovation Council (IIC) has been a transformative experience, significantly enriching our educational environment. The IIC program has been instrumental in empowering our students and faculty to delve into the world of innovation, entrepreneurship, and creativity. It has provided a dynamic platform for our academic community to exchange ideas, undertake innovative projects, and participate in insightful seminars and webinars led by industry experts.

What truly distinguishes the IIC is its steadfast commitment to cultivating the entrepreneurial spirit within our students. It has inspired them to pursue ambitious goals while equipping them with the necessary tools and knowledge to bring their visions to life. Through initiatives such as pre-incubation processes and prototype development, the IIC has enabled our students to transform their innovative ideas into practical solutions.

We deeply appreciate the Ministry of Education's IIC for its continuous encouragement to enhance our programs, heed student feedback, and foster a culture of creativity and innovation. The impact of this collaboration has been profound, and we eagerly anticipate continuing this journey of innovation and excellence alongside the IIC." — Mahua Pal, Registrar, Brainware University

Testimonial 6

"One of the most remarkable aspects of the IIC is its strong focus on hands-on learning and practical application. Through pre-incubation processes and prototype development activities, our students have been able to transform their innovative ideas into real-world projects. This approach has greatly enriched their educational experience, instilling a deep sense of curiosity and a determination to create meaningful change.

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The IIC has also been instrumental in cultivating a culture of collaboration and problem-solving within our institution. By encouraging students from diverse disciplines to work together on innovative solutions to real-world challenges, the IIC has broadened their perspectives and better prepared them for the evolving demands of the modern workforce." — Dr. Sambit Dutta, Member IIC, Brainware University

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