



Brainware University
398 Ramkrishnapur Road, Barasat, Kolkata 700125



Annual Report 2022-23

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.



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- **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



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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.

Activity Category	Total No of Submitted Activities	Total No of Approved Activities	*Disapproval % of Activities	Total Score Earned for Q1-Q4 Activities (I x A*80%)	Total Score Earned from Participation (II x 9*20%)	Total Score Earned (I + II x 100)
IC Calendar Activity	14	14				
MOC Online Activity	7	7				
Self-driven Activity	29	10	16.55%	73.59	4.04677	77.64
Celebration Activity	5	5				
Total	55	40				

*Proportional Reduction in the Reward Points Based on Disapproval % **No Reward Points upon Crossing the total no of Disapproval Activities Percentage of 30% or More.





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Brief mention of key functionaries at the IIC Institute

President

Dr. Pranam Pal

incubationcentre@brainwareuniversity.ac.in

8240038154

Vice President

DR. DEEPSHIKHA DATTA

ded.chem@brainwareuniversity.ac.in

9583829603



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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



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IPR Expert	Industry Experts	Entrepreneurship Enablers	Coordinators	Mentors	Institutional Ambassador	Members	Students Entrepreneurs
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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	



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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) 2022-23

Number and Different types of I&E and IPR activities Conducted	76
No. of student's & faculty ideas generated	99
No. of students & faculty Innovation/prototypes developed	18
No. of IPs generated, published and granted	No of Patent Published: 64. No of Patent Granted: 3
No. of Student and faculty Start-ups/Ventures established.	Nil
Amount spent on promotion and awareness generation on Innovation Entrepreneurship on the campus	₹ 46,078
Amount grant or fund supported to student and faculty lead Innovations, start-ups and IPR	₹ 1,68,707
No. of Technology Transfer and Commercialisation happened	NA



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Activity-2022-23

Total Activities: 76

IIC Activities Announced: 30

IIC Activities Submitted: 28

MIC Activities Announced: 9

MIC Activities Submitted: 8

Self-Activities Announced: 26

Self-Activities Submitted: 26

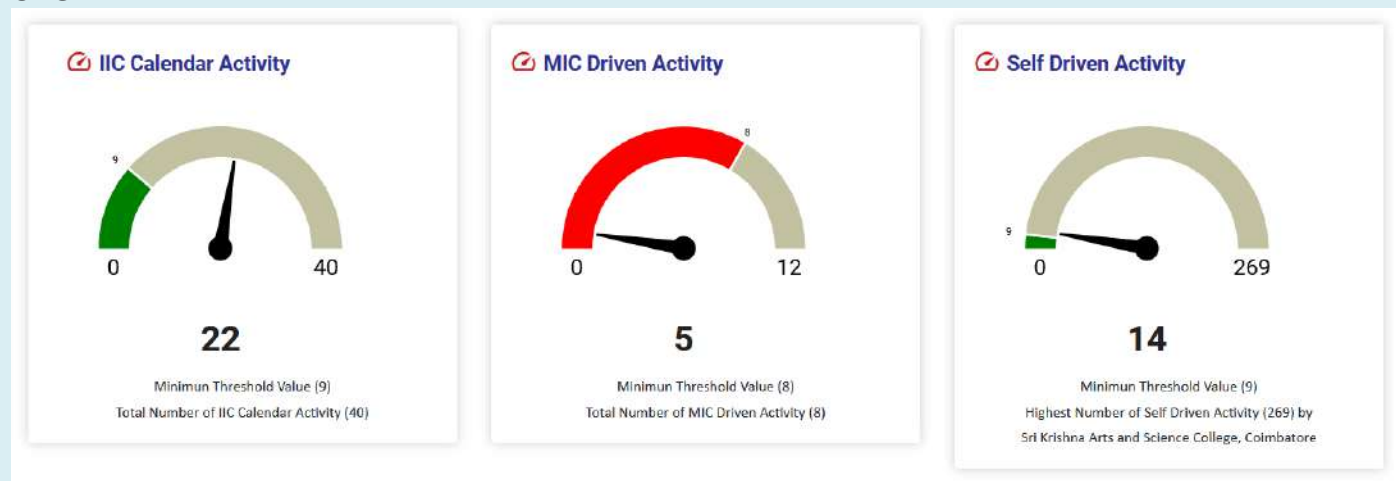
Celebration Announced: 14

TECH CLUB

Brainware University's Tech Club arranges a variety of events encompassing technical, social, and community outreach activities. Students are strongly encouraged to become members of these clubs because the experiences gained while participating in these technical clubs will not only enhance their resumes in the future but also contribute to the development of their technical skills and expertise in their chosen domains.

EVENTS

ORGANIZED



Some Major Activities/Events-2022-23

- Name of the Event:** Panel Discussion- Petridish to Profit: Unleashing the Biotech Entrepreneur
- Date of the Event:** 25th August, 2023



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No. of Student Participants: 200

Speakers: Dr. Debashis Datta, CEO, Kolkata BIOTECH PARK

Mr. Dibyendu Sarkar, MD, Ecovocap Solutions Pvt. Ltd.

Dr. Amit Das, CSO, Smart Farming India

"Petridish to Profit: Unleashing the Biotech Entrepreneur" transcended the boundaries of a mere discussion; it stood as a testament to the symbiotic relationship between academia and industry. The event not only shed light on the potential of the biotech sector but also ignited the spark of entrepreneurship within the minds of aspiring students. It showcased how the fusion of knowledge, innovation, and collaboration can drive the transformation of ideas nurtured in the petri dish of academia into profitable solutions that benefit society at large.

- **Name of the Event:** Practical Workshop & Intra Stat Up Competition: World Entrepreneurship Day - "Apna Time Ayega" by B.L. Mittal

Date of the Event: 21st August, 2023

No. of Student Participant: 300

Guest: Mr B.L Mittal (Founder & Executive Chairman, SasthaSundar)

The objective of the intra-startup competition was to encourage students to develop and present feasible startup concepts that addressed real-world problems or introduced novel solutions. This exercise allowed students to put their theoretical knowledge into practice and experience the challenges and rewards of turning an idea into a viable business plan.

During the session, Mr. Mittal had the opportunity to listen to a diverse range of startup ideas from the students. These ideas spanned various sectors including EdTech and Healthcare, showcasing the students' innovative thinking. Mr. Mittal's encouraging demeanor helped the students believe in their potential to bring their ideas to fruition. The session emphasized the concept of "Apna Time Ayega," instilling in the students the belief that their time for success as entrepreneurs would come.

- **Name of the Event: Texibition 2K23**

Include following events:

I. The Bluster

II. The Architect

III. The Legends

IV. Ideate

Date of the Event: 28th February & 1st March, 2023

No. of Student Participants: 500

The annual tech fest of Brainware University 'Texibition 2K23' took place on February 28 and March 1. The event was organised by Institution's Innovation Council (IIC) in collaboration with the Tech Club and Google



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Developer's Students' Club of the university. Prof. (Dr.) Debashis De, Professor, Department of Computer Science and Engineering, MAKAUT, West Bengal and Sayak Paul, Developer Advocate Engineer, Hugging Face, inaugurated the event.

With 'Texibition 2K23', the campus of Brainware University witnessed a conglomeration of new ideas, creativity, and innovations. Students from various institutions participated in the events lined up for the programme! The students were impressive with their prototype models in 'The Architect' and 'The Ideate', the idea competition. The excited group of students was enthusiastic with 'Legends', the gaming competition, and the coding competition 'Bluster'. Colleges can be fun, every time everything does not have to be academic!

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**

Date of the Event: 19th January 2023

No. of Student Participant:

Guest: Dr. Arup Mukherjee, Professor, MAKAUT

Sandip Dey, In-Charge, Analytical Method Validation, TCG Lifesciences

The central government has recognised January 16, 2023 as National Startup Day to honour the achievements and contributions of our entrepreneurs. Brainware University always takes the initiative to encourage its students towards becoming job-creators rather than job-seekers. The National Startup Day was celebrated on January 19, 2023, at Brainware University after the exams of the students in collaboration with IIC, the Department of Pharmaceutical Technology and NIPER, Kolkata.

To fund and promote innovation in startups in the Pharma sector, the Department of Pharmaceuticals (DoP) suggested a fixed allocation in the annual budget of the institutes. To encourage innovation and research, the DoP has prepared standard guidelines for the NIPERs.

SMART INDIA HACKATHON 2022-2023

Total participation count	Total Approved Count	Total Disapproved Count
25	15	10



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Number and Different types of I&E and IPR activities Conducted	72
No. of students & faculty ideas generated-SIH 2023	15 SIH
No. of students & faculty Innovation/prototypes developed	15

Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the 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

1. Title of the Project: Aqua Air Algae Filter

Department: Biotechnology

Theme: Improve Air Quality

Student Names:

1. Sreetam Roy: BWU/BBT/21/026- bwubbt21026@brainwareuniversity.ac.in Reg: 21013002275
2. Subhasish Chowdhury: BWU/BBT/21/044- bwubbt21044@brainwareuniversity.ac.in Reg: 21013002293
3. Dipannita Ganguly: BWU/BBT/21/041- bwubbt21041@brainwareuniversity.ac.in Reg- 21013002290
4. Pritam Biswas: BWU/BBT/21/062- bwubbt21062@brainwareuniversity.ac.in Reg-21013002310

Mentors Name:

Dr. Priyanka Sen Guha- 8017611567- psg.bt@brainwareuniversity.ac.in

Dr. Paramita Ghosh- 9903679832- pag.bt@brainwareuniversity.ac.in

Dr. Nirlipta Saha-9434495050- ns.bt@brainwareuniversity.ac.in





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2. Title of the Project: Aquaponics on domestic waste water

Theme: Domestic Waste water Treatment

Student Name: ATHAR ALI

Department: Biotechnology

Reg No.: 22012006506,

Univ Code: BWU/MBT/22/026,

Mentor Name: Dr. Sambit Datta & Dr. Anusuya Debnath

Phone No of all: Dr. Sambit Datta: 09836953086

Dr. Anusuya Debnath: 08017151334

ATHAR ALI: 08981512412

Email id of all: Dr. Sambit Datta: dsd.bt@brainwareuniversity.ac.in

Dr. Anusuya Debnath: asd.bt@brainwareuniversity.ac.in

ATHAR ALI: bwumbt22026@brainwareuniversity.ac.in



3. Title of the Project:- A Prototype Model of Automatic River Cleaning Boat

Theme: Protection of water body

Department:- Mechanical Engineering Department, Brainware University.

Univ Code & Email id of all:-

Name	Email Id
2. Bivas Daskhan	bwudme22008@brainwareuniversity.ac.in, BWU/DME/22/008
3. Sanjoy Bera	bwudme22017@brainwareuniversity.ac.in, BWU/DME/22/017
4. Biraj Paul	bwudme22007@brainwareuniversity.ac.in , BWU/DME/22/007



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5. Barun Krishna Baidya

bwudme22013@brainwareuniversity.ac.in,
BWU/DME/22/013



Title of the Project: Digital Mind Of Electric Vehicle

Student Name: Dipanjan Mondal

Department: Commerce

Reg No. 22013004575

Univ Code: BWU/BBF/22/007

Mentor Name: Mr Abhijit Ghosh

Phone No of all : 6290396975

Email id of all : mdipanjan646@gmail.com



Title of the Project:- Fire Fighting Robot Car

Theme: Safety

Student Name:- i) Sourya Dey

ii) Sayan Patra

iii) Suman Kanrar

iv) Joy Mondal

v) Sagar Das



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Department:- Mechanical Engineering Department, Brainware University.

Name of the Student	Reg No.	University Code	Phone No	Email Id
Sourya Dey	21014002804	BWU/DME/21/017	9674572007	sas.me@brainwareunniversity.ac.in
Sayan Patra	21014002798	BWU/DME/21/011	6289152890	bwudme21017@brainwareunniversity.ac.in
Suman Kanrar	22014003777	BWU/DME/21/030	8145095965	bwudme21011@brainwareunniversity.ac.in
Joy Mondal	22014003780	BWU/DME/21/033	8910957036	bwudme21030@brainwareunniversity.ac.in
Sagar Das	22014003776	BWU/DME/21/029	7074996045	bwudme21033@brainwareunniversity.ac.in



Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting speciallyfor the schemes or programs

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



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



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The screenshot shows the NISP Implementation Status (Institute-wise) website. The header includes the Ministry of Education logo, the NISP logo, and navigation links: Home, About, Institute Wise Status, Policy Adoption Status, Nominated Faculty, Download, Notification, and Contact Us. The title is "NISP Implementation Status (Institute-wise)" with a sub-header "Last Updated at: 2023-08-17 06:00:00". Below the header, there are filters for State (West Bengal), City (All City), and Type (All Type). A search bar contains "brainware". The table below shows the implementation status for Brainware University.

S.NO	AISHE CODE	INSTITUTE TYPE	INSTITUTE NAME	STATE	CITY	COMMITTEE FORMED	POLICY FORMULATED	POLICY NOTIFIED	DEDICATED WEB LINK	BENCHMARKED INSTITUTE'S ECOSYSTEM	IMPLEMENT PLAN D
1	U-0885	UNIVERSITY & DEEMED TO BE UNIVERSITY (PRIVATE / SELF FINANCED)	BRAINWARE UNIVERSITY	WEST BENGAL	KOLKATA	✓	✓	✓	CLICK HERE!	✓	

● 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

Date of filing of Application	Date of Publication	Application No	Title of the Patent
22-07-2022	11-08-2022	202022104150 A	A polyherbal formulation as a potential agent for treatment in poly cystic ovarian syndrome
09-08-2022	19-08-2022	202211045328 A	HPLC method development and validation of empagliflozin in bulk drug and pharmaceutical preparation
24-08-2022	28-09-2022	2022/ 02225	An IoT Based Smart Entrance Systems and Method Thereof
04-10-2022	14-10-2022	202022105608 A	Novel mechanism for management of hepatotoxicity using morin dihydro loaded microparticle
28-09-2022	20-10-2022	202022105474 A	An isonizid loaded nanoformulation drug for treatment of tuberculosis
14-10-2022	21-10-2022	202231058699 A	A MACHINE LEARNING BASED SYSTEM FOR AUTOMATED BEHAVIORAL STATE CLASSIFICATION IN RATS (ORGANISM) AND METHOD THEREOF
07-10-2022	09-11-2022	2022/G11832DE	An indoor localization system using a wireless local area network
08-10-2022	11-11-2022	2022/G11831DE	A system for detecting diseases in leaves



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10-11-2022	25-11-2022	202241064381 A	Artificial Intelligence and IoT based Automatic smart health care system to monitor and avoid Blood pressure and Lung cancer to avoid it early stages for healthy life for all ages using WSN, image processing and deep learning algorithms
26-11-2022	02-12-2022	202231068122 A	A COMPACT LAMINAR AIR FLOW SYSTEM
26-11-2022	02-12-2022	202231068123 A	A NON-INVASIVE DIAGNOSTIC SYSTEM BASED ON ILLUMINATION FOR EARLY-STAGE ORAL CANCER SCREENING AND HIGH-RISK PRECANCEROUS LESIONS
26-11-2022	02-12-2022	202231068124 A	A DEVICE FOR ROUTINE BIOCHEMICAL EXAMINATION OF URINE
26-11-2022	02-12-2022	202231068125 A	AN AI BASED METHOD TO DETECT DIFFERENT SKIN PHENOTYPES AND MOISTURE LEVELS
26-11-2022	02-12-2022	202231068126 A	A Lead compound Deserpidine as inhibitor of efflux-mediated multidrug resistance
27-11-2022	02-12-2022	202231068174 A	A SYSTEM TO DETECT ORAL CANCER USING SMARTPHONE PLATFORM INTEGRATED WITH FLUORESCENT PAPER STRIP
27-11-2022	02-12-2022	202231068175 A	AN ELECTRONIC ASSEMBLY BASED ON THE POWER ON THE GO- POGO
27-11-2022	02-12-2022	202231068176 A	A FORMULATION FOR AN ORAL RINSE EMULSION
27-11-2022	02-12-2022	202231068177 A	A HAND-HELD OCCLUDER FOR EYE TESTING
27-11-2022	02-12-2022	202231068178 A	A machine learning system for decision prediction combining human behavior
28-12-2022	30-12-2022	202231076033 A	A MODIFIED SAHLI'S HAEMOMETRY METHOD TO ESTIMATE HAEMOGLOBIN
28-12-2022	30-12-2022	202231076034 A	AN INTEGRATED BIOMETRIC MACHINE LEARNING DEVICE TO MEASURE EMPLOYEE STRESS, ANXIETY AND BURNOUT
28-12-2022	30-12-2022	202231076035 A	ISOLATION OF CELLULOSIC NANOFIBRILS FROM ALLIUM CEPA L SKIN OBTAINED FROM FOOD RESIDUES
28-12-2022	30-12-2022	202231076036 A	AN IMPROVED ROYAL AIR FORCE (RAF) CONVERGENCE ACCOMMODATION (CA) RULER
28-12-2022	30-12-2022	202231076037 A	A FERMENTATION PROCESS TO YIELD THE VALUE-ADDED LIMONENE FROM SUGARCANE BAGASSE AS A SUBSTRATE
28-12-2022	30-12-2022	202231076038 A	AN INSIDE REAR-VIEW SPECTACLES (IRVS)
28-12-2022	30-12-2022	202231076039 A	AN AUTOMATED CIRCULAR TREADMILL CONVERTIBLE TO RECLINER CHAIR CUM BED
28-12-2022	06-01-2023	202231076548 A	An Edible Composition Using Extract Of Curcuma Longa And Myo-Inositol



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28-12-2022	06-01-2023	202231076549 A	An Edible Composition Using Extract Of Gallic Acid And Myo-Inositol
16-11-2022	11-01-2023	2022/12486	A System And Method To Implement Data Hiding For Quality Access Control Of Grayscale Image
07-02-2023	10-02-2023	202331007961 A	A Polyvinyl Alcohol Entrapped Silver Nanoparticle (Pva-Agnp) Film For Eradication Of Bacterial Contaminant From Industrial Effluents.
07-02-2023	10-02-2023	202331007967 A	An Anti-Fungal Formulation With A Synergistic Mixture Of Extracts Rich In Ethyl Gallate And Propyl Gallate
07-02-2023	10-02-2023	202331007965 A	A System For Employee Sustainability Using Support Vector Machine
07-02-2023	10-02-2023	202331007964 A	A System For Intentional And Unintentional Misbehavior Detection In Unmanned Aerial Vehicles
07-02-2023	10-02-2023	202331007963 A	A Legal Chatbot System For Claim Detection Process Through Machine Learning Model
07-02-2023	10-02-2023	202331007966 A	An Automatic Welding Slag Removal Machine
07-02-2023	10-02-2023	202331007962 A	A Bottle Device With Painted Lighting Assembly
05-02-2023	10-02-2023	202341007283 A	Integration Of Iot And Deep Learning Approaches For Air Pollution Monitoring In Smart Cities
04-02-2023	10-02-2023	202341007247 A	Modern remote healthcare monitoring system using 5G with IoT
15-02-2023	24-02-2023	202331010273 A	A Sonic Photobiostimulation Therapeutic Machine Device
15-02-2023	24-02-2023	202331010272 A	An Alarming And Lighting Signal System From Car Driven By Drunk Driver
05-02-2023	24-02-2023	202341007257 A	Early Stress Detection And Monitoring System Using The Machine Learning Approaches Integrated With Internet Of Things
06-02-2023	24-02-2023	202341007550 A	Smart Women's Protection And Security System Based On Iot And The Cloud, Including An Alarm Message Or Call To Control Via Speech Sensing In Detecting Keywords Or Emotive Phrases
14-02-2023	24-02-2023	202341009581 A	Machine Learning Approach For Identifying Stone From Gall Bladder Image
18-02-2023	10-03-2023	202331011160 A	A System For Efficient Fintech Adoption By The Customers With Non-Technical Background
27-03-2023	07-04-2023	202331022407 A	AN AUTOMATED ACCOMMODATIVE FLIPPER
27-03-2023	07-04-2023	202331022408 A	A METHOD OF SYNTHESIS OF NANOPARTICLE-HERBAL FORMULATION AND ITS EFFICACY AGAINST RUSSELL'S VIPER VENOM
27-03-2023	07-04-2023	202331022409 A	A SOLAR SYSTEM EQUIPPED ELECTRIC BICYCLE



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27-03-2023	07-04-2023	202331022410 A	A self controlled UAV based forest fire detection system
27-03-2023	07-04-2023	202331022411 A	AN EMERGENCY NOTIFYING SPECTACLE
27-03-2023	07-04-2023	202331022412 A	A system to explore the phytochemical intervention of Terminalia chebula as a therapeutic potential against Covid-19
27-03-2023	07-04-2023	202331022413 A	A system with deep learning to classify fungi diseases in spinach leaves and their remedies
27-03-2023	07-04-2023	202331022414 A	A trust evaluation system for selecting leader drones in clustered Flying Ad-hoc Network
27-03-2023	07-04-2023	202331022415 A	A WEARABLE SENSING DEVICE FOR THE BLIND AND DEAF INDIVIDUALS
27-03-2023	07-04-2023	202331022416 A	An improved round bottom flask apparatus for better handling of chemical products
15-04-2022	16-05-2023	362611-001	An Analytical cartridge for testing biological fluids
23-05-2023	26-05-2023	202331035646 A	DEVELOPMENT OF A WEB-BASED CALCULATOR FOR DATA CENTER EFFICIENCY ANALYSIS AND OPTIMIZATION
23-05-2023	26-05-2023	202331035649 A	EARLY DETECTION OF PARKINSON DISEASE BY IDENTIFICATION OF ALPHASYNUCLEIN OLIGOMER PROTEIN IN SALIVA
23-05-2023	26-05-2023	202331035647 A	FORMULATION OF A NANOEMULSION-CONTAINING EDIBLE COATING SOLUTION FOR TOMATO PRESERVATION AND SHELF LIFE EXTENSION
23-05-2023	26-05-2023	202331035645 A	HEAD BAND MULTIPLE PINHOLE
23-05-2023	26-05-2023	202331035652 A	NOVEL FERMENTATION PROCESS TO YIELD VALUE ADDED γ -TERPINENE USING BAKER'S YEAST FROM SUGARCANE BAGASSE AS A SUBSTRATE
23-05-2023	26-05-2023	202331035648 A	SMART MIRROR WITH INTEGRATED HEALTH AND FASHION SUGGESTION FEATURES
23-05-2023	26-05-2023	202331035651 A	SYSTEM AND METHOD FOR KNOWLEDGE MANAGEMENT BASED ON INSTANCE LEARNING
23-05-2023	26-05-2023	202331035650 A	VOLTAGE UPSCALE

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

Testimonial 1:

"Following the directives of the Innovation Cell, Ministry of Education, Government of India, Brainware University successfully established the Institution Innovation Council (IIC). The primary objective of the IIC is to guide and raise awareness regarding the cultivation of innovation within the institute. The Institution Innovation Council (IIC) diligently carries out a range of activities as prescribed by the Innovation Cell to encourage innovation and startup



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initiatives on our campus throughout the academic year. I am proud to support and endorse these endeavors as the President of IIC, BWU & Prof. of Computer sc & Engineering at Brainware University, Prof. Dr. Pranam Paul."

Testimonial 2

"We take immense pride in the Ministry of Education's Institutions Innovation Council program. This initiative has made a significant impact on our students and faculty, particularly in the realms of ideation, prototyping, intellectual property rights (IPR), entrepreneurship, and startup culture. Brainware University wholeheartedly congratulates the MoE Innovation Cell for their tireless efforts and commitment to fostering innovation in India."

—Jyotirishwar Kumar, Assistant Registrar, Brainware University

Testimonial 3:

"The collective effort of our Institution Innovation Councils (IICs) is truly commendable. Their dedication to nurturing and guiding young minds through pre-incubation processes, practical exercises, bootstrapping, and transforming novel concepts into prototypes is nothing short of inspiring. These IICs have organized numerous workshops, seminars, and innovative activities that have engaged our students in various creative endeavors. We deeply value their original ideas, which have not only been acknowledged but have also ignited a spark of creativity in many more young individuals. Kudos to the IICs for their outstanding contributions!"

— Dr. Deepshikha Datta, Vice President IIC, BWU

Testimonial 4:

"IIC has proven to be an invaluable resource for both instructors and students alike. It provides them with opportunities to nurture and fine-tune their ideas. The regular webinars and seminars featuring top entrepreneurs imparting wisdom on the essentials of a successful startup journey have been particularly well-received by our community. The IIC at our institution is a hub of inspiration and innovation. We greatly appreciate the constant encouragement from the Ministry of Education's IIC to gather and incorporate student feedback, actively engage in new initiatives, and further enhance our support for students. -----Anandita Das, Assistant Registrar and Convener IIC, Brainware University"

Testimonial 5

"At Brainware University, our commitment to fostering innovation and excellence in education has always been at the forefront of our mission. Over the years, we have had the privilege of collaborating with the Ministry of Education's Institutions Innovation Council (IIC), and it has been a transformative partnership. The IIC program has played a pivotal role in empowering our students and faculty to explore the realms of innovation, entrepreneurship, and creativity. It has provided a platform where our academic community can exchange ideas, embark on innovative projects, and participate in thought-provoking seminars and webinars led by industry leaders.

What stands out most about the IIC is its unwavering dedication to nurturing the entrepreneurial spirit in our students. It has not only encouraged them to dream big but has also equipped them with the tools and knowledge needed to turn those dreams into reality. The IIC's initiatives, including pre-incubation processes and prototype development, have allowed our students to transform their innovative ideas into tangible solutions.

We greatly appreciate the Ministry of Education's IIC for continuously motivating us to improve our offerings, listen to student feedback, and create an environment that encourages creativity and innovation. The impact of this collaboration has been profound, and we look forward to continuing this journey of innovation and excellence with the IIC.-----Mahua Pal, Registrar, Brainware University.



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Testimonial 6

One of the standout aspects of the IIC is its emphasis on hands-on learning and practical application. The pre-incubation processes and prototype development activities have allowed our students to channel their innovative ideas into tangible projects. This approach has not only enriched their learning experiences but has also instilled in them a spirit of curiosity and a drive to make a difference.

The IIC has also played a significant role in fostering a culture of collaboration and problem-solving at our institution. It has encouraged students from diverse backgrounds to come together and work on innovative solutions to real-world challenges. This cross-disciplinary approach has not only expanded their horizons but has also prepared them for the dynamic demands of the modern workforce.-----Dr. Sambit Dutta, Member IIC, BW

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