

BRAINWARE UNIVERSITY

UGC • BCI • PCI • INC • WBNC

Information Brochure

Department of Cyber Science and Technology

**FUTURE-READY
WITH AI**



BRAINWARE UNIVERSITY

Future-Ready with **AI**

One of Eastern India's Foremost Universities Embedding **AI Across All Departments**

AI for All: Brainware University's Future-Ready Strategy

Brainware University is embedding Artificial Intelligence across its entire ecosystem – empowering students, faculty, staff and the wider community with future-ready skills.

AI Across Campus



From classrooms to corridors, AI is seamlessly integrated into academics, administration and daily campus life

AI Education for Everyone



Foundation-level and discipline-specific AI training equips all students, teachers, and staff with practical, hands-on AI tools

AI-Powered Academics



Smarter teaching, learning, research, and assessment driven by intelligent technologies

Smart & Streamlined Administration



AI-enabled systems enhancing efficiency in Admissions, HR, and Examinations

Community Outreach & Impact



Driving AI awareness among **2,00,000+** students and parents across **2000+** schools in West Bengal

AI Research Cell



The AI Research Cell empowers faculty and students to upscale their skills through hands-on, AI-driven research, innovation, and interdisciplinary collaboration.

RECOGNITIONS



ज्ञान-विज्ञान विमुक्तये
UNIVERSITY GRANTS
COMMISSION (UGC)



DSIR-SIRO



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION
GOVT. OF INDIA



MINISTRY
OF MSME

APPROVALS & MEMBERSHIPS



PHARMACY COUNCIL
OF INDIA (PCI)



BAR COUNCIL
OF INDIA (BCI)



INDIAN NURSING
COUNCIL (INC)



WEST BENGAL NURSING
COUNCIL (WBNC)



DEPARTMENT OF HEALTH
& FAMILY WELFARE



ASSOCIATION OF INDIAN
UNIVERSITIES (AIU)



INSTITUTION INNOVATION
COUNCIL (IIC)



UNNAT BHARAT
ABHIYAN (UBA)



ALL INDIA MANAGEMENT
ASSOCIATION



THE ASSOCIATION
OF COMMONWEALTH
UNIVERSITIES

COLLABORATIONS WITH FOREIGN UNIVERSITIES



LIVINGSTONE COLLEGE
North Carolina, USA



HANYANG UNIVERSITY
Republic of Korea



THE INSTITUTO NACIONAL DE
TECNOLOGIA AGROPECUARIA
(INTA), Argentina



SEJONG UNIVERSITY
Republic of Korea



KASAMA UNIVERSITY
COLLEGE OF HEALTH SCIENCE
AND TECHNOLOGY, Zambia

AWARDS & RANKINGS

BEST IN PLACEMENT awarded by



Best Institute in Engineering (Placement)
Best Institute in MBA Education
Best Law Institute



1 Technical
Private
University
in West Bengal



Times Higher Education
Impact Rankings 2025

AMONG TOP 100 UNIVERSITIES IN INDIA

AA+ Achievement

CAREERS360
A Career is a Life



BEST UNIVERSITY FOR PROMOTING
INDUSTRY ACADEMIA LINKAGE
2024



**'PROMISING PRIVATE UNIVERSITY
FOR INDUSTRY LINKED COURSES'**
at 7th Industry-Academia
Annual Conclave



School of Computational & Applied Sciences

Department of Cyber Science and Technology

MSc Advanced Networking and Cyber Security

BSc (H) Advanced Networking and Cyber Security



Salient Features

- Academic collaborations with CISCO, EC Council, TCS, TCS iON, IIFON, AWS Academy and ISOAH etc
- EC-Council offers top-tier cybersecurity certifications mapped with our Cyber Security Courses:
 1. Certified SOC Analyst (CSA): Train for SOC monitoring with eCourseware and iLabs
 2. Certified Ethical Hacker (CEHv12): Learn hacking methods with iLabs and eCourseware
 3. Computer Hacking Forensic Investigator (CHFI): Master digital forensics with iLabs and eCourseware
 4. Certified Cloud Security Engineer (CCSE): Secure cloud environments with eCourseware and iLabs
- Course structure is divided among five dimensions – Hardware, Advanced Networking (CISCO platform), Windows Server, Linux Server and Cyber Security
- Courses are mapped with CCNA, CCNP, MCSE, RHCE and CEH
- Student chapter collaboration with OWASP (Open Web Application Security Project) and GitHub
- Digital-first curriculum with AI tools
- Transforming interdisciplinary concepts into impactful solutions through cutting-edge innovation labs
- Empowering students with hands-on training in foundational and domain-specific AI tools to make them future-ready

Specialisation Scope

- Computer Hardware Maintenance
- Computer Network Maintenance
- Windows Server Administration
- Linux Server Administration
- Switching and Routing Technology
- Vulnerability Analysis and Penetration Testing
- Digital Forensic
- Voice over IP (VoIP)
- Security Incident Handling
- Security Specialist
- Digital Watermarking and Steganography
- Block Chain & Cryptocurrency
- Cryptography & Network Security
- Cyber Security Laws, Standards and IPR
- Cloud Computing
- Firewall Technology
- Mail Server Configuration
- Cyber Risk Management
- Python Programming
- Routing Associate
- Routing Professional
- Malware Analysis and Reverse Engineering
- Biometric Security
- Switching Professional
- Auditing IT Infrastructure for Compliance
- Enterprise Security Architecture and Design
- Training on CEHv13

Live Projects & Internships

- Internship at ISOAH in the final semester for both UG & PG students
- Workshop and Internship at Cyber Security Centre of Excellence (CS-CoE), Department of Information Technology and Electronics, Government of West Bengal
- Student chapter collaboration with OWASP (Open Web Application Security Project®) and GitHub
- TCS for guiding student projects
- Working in various project with district police HQ
- Working with Department of IT and Electronics, Government of West Bengal

Programme Highlights

- Ethical Hacking
- Network Penetration Testing (Level 1)
- Network Penetration Testing (Level 2)
- Cloud Security
- Security Operations Centre
- Storage Professional

Institute-Industry Collaborations for Internship



National Institute of Technology
Sikkim



Events and Activities



Cyber Security Workshop for Eldely Citizens with Kolkata Police



Session on modern-day cybercrimes with the Cyber Security Cell of the Bidhannagar Police Commissionerate



World Computer Security Day with Cyber Security experts



SECCOM



Alumni Spotlight



Rudraksha (Batch of 2023)
Faculty



Sayantan (Batch of 2023)
VMware Administrator



Surajit (Batch of 2023)
VMware Administrator



Powering the Digital World with AI in Cyber Security

- Hands-on training in AI-assisted network monitoring and machine learning threat simulations
- Real-time experience in anomaly detection and digital defense labs
- Application of predictive intrusion detection and automated malware analysis
- Exploration of AI-driven phishing detection and identity management systems
- Preparing students to be AI-empowered cyber defenders in an intelligent world

Specialised AI Tools in Use



GPTonShell



Nessus Web
Vulnerability Scanner



Burp Suite
Professional



PenTestGPT



WE ARE HAPPILY EMPLOYED



Payel
BSc ANCS



Koushik
BSc ANCS



Subhadeep
BSc ANCS



Sakil
BSc ANCS



Sandip
BSc ANCS



Where Ideas Meet Execution.



Debobrata
BSc ANCS



Biswajit
BSc ANCS



Poulami
BSc ANCS



Sanskar
BSc ANCS



Our Expertise, Your Shield



Satadeep
BSc ANCS



and many more ...

Placement Scoreboard

Total Campus Drives

35

Highest Salary Offered

₹6 LPA

Average Salary Offered

₹2.60 LPA

Total Companies Visited

29

Students' Achievements



Gold Medal at All India Shoto Cup



Best Presenter Honour
at the Global Health Sciences
Conference in Singapore



Winners of Smart India
Hackathon 2024
won a prize money
of Rs.1 Lakh!



Top 3 positions and cash prizes for
paper and poster presentation at
Healthcon 2024
at JU organised by IMS Kolkata



Brainware University Volleyball Team clinched the Runners-Up Trophy at the Triple Hit Tournament during CRUX 2025 — the cultural and social fest of IPGMER & SSKM, Kolkata



Our students in NSS Adventure Camp
at Atal Bihari Vajpayee Institute of Mountaineering, Manali



BBA & B.Tech CSE-AI students who received Presidential Scholarship from USA

Infrastructure Highlights : Facilities and Amenities



Eco-friendly campus

Smart clean classrooms

Hi-tech Research stations / workshops

Industry expert workshops / masterclasses

Conference halls

Seminar halls

ICT on-campus library / digital library

Strictly No-Ragging campus

360-degree recruitment support

On-campus separate hostels for boys and girls

On-campus ATM

Entertainment zone and talent clubs

Multi-sports arena

Mental Wellness Centre and Gymnasium

Multicuisine food court

Agriculture field

“ The best part of our global campus is that everything is within an affordable price range. Any eligible student can get enrolled without burning a hole in the pocket, and have a world class learning experience. ”

Our Extra-Curricular activities are facilitated through various clubs like :



Scholarship Scheme

We PAY. You LEARN.

VIDYALANKAR

100%*

Tuition fees waiver
>= 95% in 10+2 Exam

50%*

Tuition fees waiver
>= 90% in 10+2 Exam

MEDHA BRITTI

Upto ₹ **60K***
Scholarship
60-89% in 10+2 Exam

KRIRA RATNA

Upto **100%**
Tuition fees waiver
on sports certificates from
international to district level

Toppers from an institution with less than 90% will get additional **Rs. 25,000/-** off over and above the Brainware Merit Scholarship (based on marks obtained in qualifying exam and seat availability)



Scan this QR Code
for scholarship details

***N.B. Central and state government scholarship schemes available for eligible students**

- Brainware Vidyalankar Scholarship is not applicable for MPharm, BPharm, DPharm, BSc Nursing and GNM programmes
- Brainware Vidyalankar Scholarship is not applicable for International Students
- To avail the Brainware Vidyalankar Scholarship, a candidate must possess a minimum of 60% throughout their career.

Government Scholarship Scheme

A list of government scholarships one can apply for:

West Bengal Chief Minister's Relief Fund (Nabanna) Scholarship

<http://wbcmo.gov.in/>

Swami Vivekananda West Bengal Merit-Cum-Means Scholarship

<https://svmcm.wbhed.gov.in/>

Kanyashree Prakalpa(K2)

<https://www.wbkanyashree.gov.in>

West Bengal Minorities' Development & Finance Corporation

<http://www.wbmdfcscholarship.in>

Scholarship for SC ST & OBC Students in West Bengal

<https://oasis.gov.in/>

National Scholarship

<https://scholarships.gov.in/>

Students can also avail **STUDENT CREDIT CARD SCHEME** launched by Government of West Bengal for higher studies up to 10 lacs.

The links are provided on the scholarship page of the university website



Scan this QR Code
for scholarship details

Dreams Made Possible: Testimonies of Vidyalankar Scholars

Vidyalankar Scholarship 2025



When I received the Brainware Vidyalankar Scholarship, it felt like someone truly believed in my potential. Coming from a modest family, higher education always felt uncertain. This support removed that fear and allowed me to focus completely on learning, growing, and dreaming bigger without constantly worrying about finances.

Subhadeep Das | 90.2% in HS
Enrolled in B.Tech CSE - AIML

Vidyalankar Scholarship 2024



The scholarship did not just reduce my fees; it gave me confidence. I no longer felt like a burden on my parents. Instead, I felt empowered to give my best in class, participate in projects, and prepare seriously for my future career.

Rajani Sarkar | 90% in HS
Enrolled in BCA

Vidyalankar Scholarship 2025



There was a time when I thought I might have to drop my admission despite securing good marks. The Vidyalankar Scholarship changed everything. It gave me dignity, hope, and the freedom to pursue my education with pride and independence.

Sushoka Zhimo | 93.2% in HS
Enrolled in LLB

Vidyalankar Scholarship 2024



Studying at Brainware University with the Vidyalankar Scholarship has been life-changing. I could finally invest my energy in academics, skill development, and internships instead of constantly worrying about expenses at home.

Payel Chatterjee | 90.8% in HS
Enrolled in BBA

Vidyalankar Scholarship 2025



This scholarship came at a moment when my family was going through financial stress. It felt like a helping hand extended at the right time. Because of this support, I now study with peace of mind and a deep sense of gratitude.

Shreya Halder | 94% in HS
Enrolled in BSc in Physician Assistant

Vidyalankar Scholarship 2025



The Vidyalankar Scholarship motivated me to work harder every single day. It reminded me that merit and effort are valued here. I feel responsible not just to myself, but to everyone who believed in me.

Sayan Ghosh | 90.6% in HS
Enrolled in BSc in Advanced Networking & Cyber Security

Best of Everything at an Affordable Price

Modern facilities of global stature assist students to attain the best opportunities...



Enjoying Campus Life



University Campus



Wi-Fi Enabled Campus



In-house Health Clinic



Auditorium



Canteen & Cafeteria



Web-based Students' Forum & Tailor Made App



Language Lab

Great Campus Life!

"I have been intensely engaged with the vibrant campus community of Brainware ever since my first year; apart from academics, there is so much to do and explore amid our lush green campus!"



Nikhita Gandhi at Annual Fest



Gym



Creative Workshop



Photo Walk



Cricket



Soccer



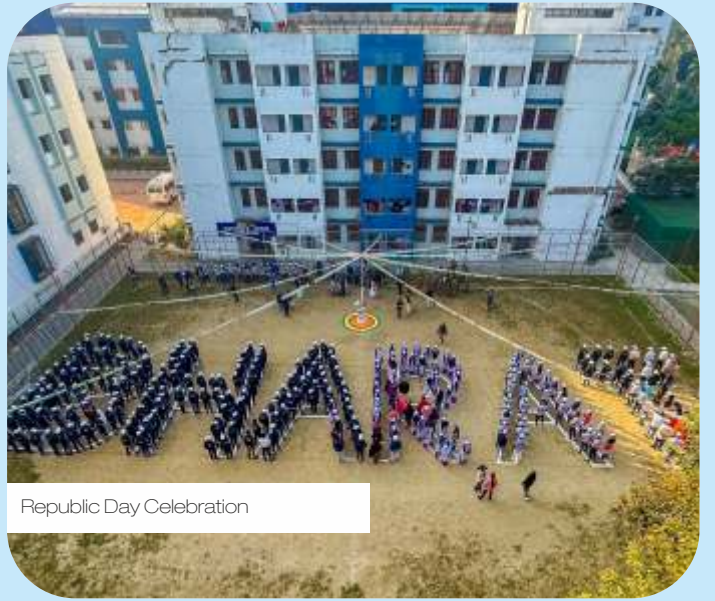
Olympian Dipa Karmakar at Brainware



Celebrating Independence Day



Tree Plantation



Republic Day Celebration

Great Campus Life!



Basanta Utsav



College Band



Session with singer Anweshha



Karate



Yoga Competition



Business Fair



Annual Fest



Mental Wellness Workshop



Fashion Saga



Book Fair



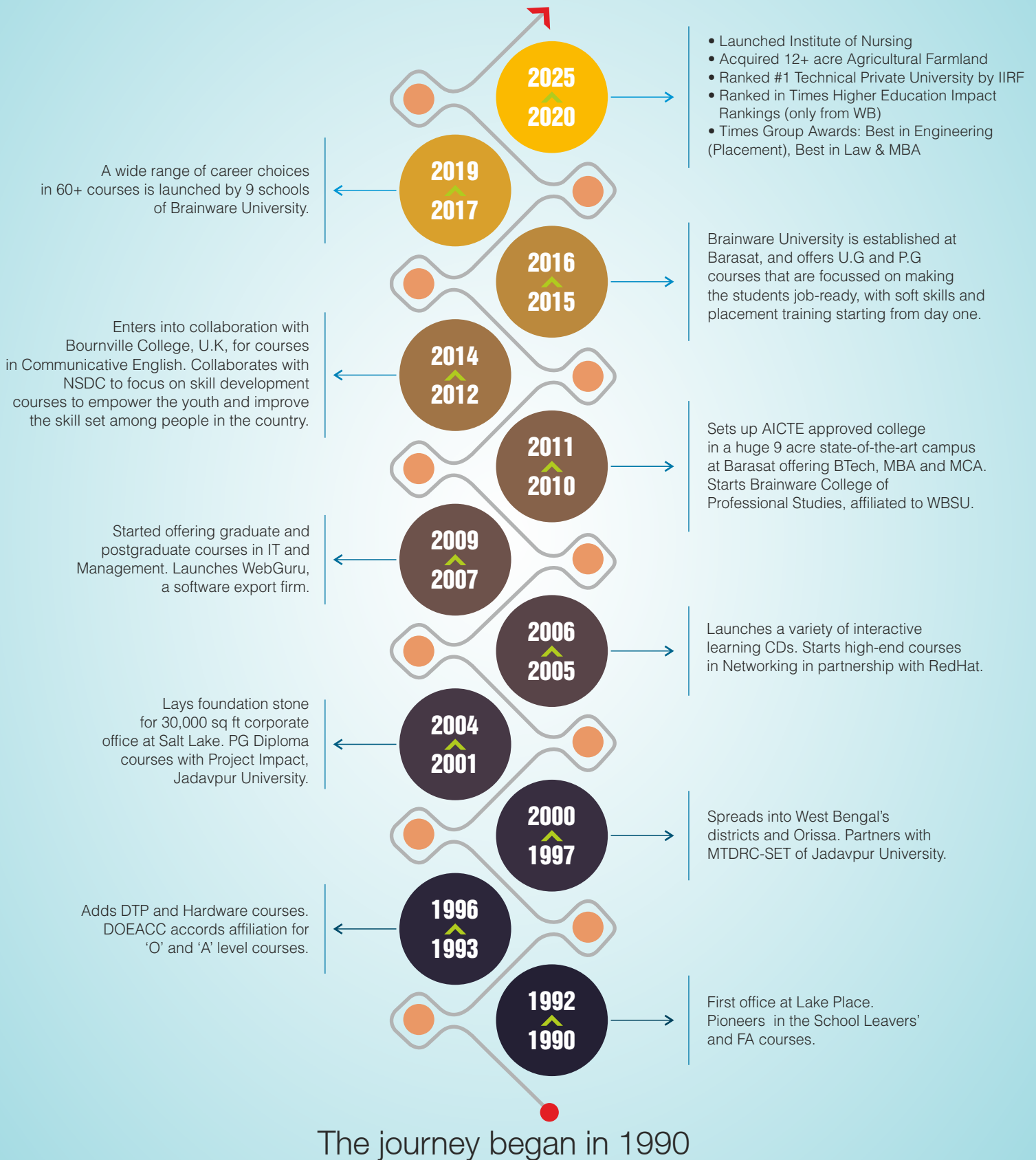
Street Play

No Ragging Campus ► Ragging is a Crime Punishments for Ragging

Suspension • Rustication • Expulsion • FIR • Prosecution • Arrest / Imprisonment up to 2 years or fine up to INR 10,000/- or both

Anti-Ragging Squad & Committee details available in the Anti-Ragging Handbook

BRAINWARE TIME LINE





Visit us



BRAINWARE UNIVERSITY

Barasat Campus : 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal 700125



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