



THE UNIVERSITY OF BURDWAN

ADMISSION INFORMATION BROCHURE

*Faculty Council for Post-Graduate Studies in Engineering and Technology
Academic Session 2026-27*

Empowering Innovation. Inspiring Excellence. Building the Future.

- **5-Year Integrated M.Sc. (Tech.) in Data Science and Artificial Intelligence**
- **2-Year Advanced Postgraduate Diploma in Disaster Mitigation and Management**
- **1-Year Postgraduate Diploma in Big Data and Cyber Security**
- **1-Year Postgraduate Diploma in Medical Instrumentation and Imaging Technology**
- **1-Year Postgraduate Diploma in Indian Knowledge System and Heritage Engineering .**

Contact Us

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The Faculty Council for Post-Graduate Studies in Engineering and Technology (FET) at The University of Burdwan has been revitalized with a noble mission: to forge a multidisciplinary, technology-infused ecosystem for higher education, research, innovation, and skill development in the burgeoning realms of science, engineering, and technology.

In harmony with the National Education Policy (NEP) 2020, the University has unveiled a new era of technology-centric academic programs through specialized Advanced Centres, designed to meet the demands of modern industry, society, and the nation. Thus, the admission process shall be rooted in the principles of academic merit, transparency, fairness, inclusivity, and equal opportunity.

The admissions will be governed by the tenets of the University Act, Statutes, Ordinances, Regulations, and resolutions from the appropriate statutory bodies, alongside notifications from the Government of West Bengal, UGC Regulations, and any other guidance issued by the relevant regulatory authorities.



Step into the picturesque and expansive campus that reflects rich heritage and a legacy of learning

Why Study at The University of Burdwan?

Transforming Tradition into Technological Excellence

Currently celebrating its 66th year of academic service, The University of Burdwan is uniquely positioned at the confluence of multidisciplinary scholarship, regional development, and emerging technologies. The University is undergoing a historic organizational transformation. We are actively breaking down traditional disciplinary boundaries to build a technology-driven, multi-sector educational powerhouse.



Thriving Research and Global Expansion Hub

- *Surging Research Infrastructure: Driven by ₹45.82 Crore in active research funding across dozens of sponsored schemes, our campus acts as a foundational incubator for breakthrough ideas.*
- *World-Class Faculty: Over 93% of our faculty hold a Ph.D., with a proud contingent of university teachers ranked among the World's Best 2% Scientists by Stanford University.*



State-of-the-Art Campus Infrastructure

- **High-Speed Connectivity:** Enjoy standard 24x7 Wi-Fi enabled campuses backed by a 30 km optical fiber backbone and a lightning-fast 1 Gbps National Knowledge Network (NKN) gateway.
- **Modern Learning Arenas:** Academic delivery is supported by over 1,050 computers for academic use, smart classrooms, a magnificent 1,200-seat air-conditioned auditorium, and full platform integration with DigiLocker and the Academic Bank of Credits (ABC).
- **Holistic Student Infrastructure:** Beyond the classroom, enrich your life via the Centre for Career Development, Meghnad Saha Planetarium, University Museum, and the modern Multi-Gym Fitness Centre.

Leading Professionals from Industry and Academia

The University endeavours to bring students closer to eminent academicians for renowned institutes like IITs/NITs/etc., industry leaders, healthcare experts, innovators, entrepreneurs and researchers through expert lectures, workshops, mentoring, technical interactions and collaborative programmes. These engagements foster interdisciplinary learning, professional excellence, innovation and career readiness while exposing students to contemporary developments and global best practices.





KEY PROGRAMME HIGHLIGHTS

- ✓ **True NEP 2020 Architectural Spirit:** Our programmes move completely away from restrictive academic silos into flexible, interdisciplinary, and outcome-based education.
- ✓ **Industry-Relevant Competencies:** The curriculum specifically targets current employability and skill gaps, preparing you directly for professional roles within the industry, government, research institutions, and fast-paced start-up ecosystems.
- ✓ **Experiential and Hands-On Engineering:** Learning is anchored around live computing projects, fieldwork, simulation exercises, and deep laboratory exposure to contemporary digital tools.
- ✓ **Integrated Practical and Experiential Learning:** Built-in industry internships provide real-world workspace experience, bridging the gap between classroom theory and real corporate environments.
- ✓ **Global Perspectives and Flexible Learning:** Benefit from embedded global case studies, credit transfer capabilities via the national SWAYAM platform, and mentorship opportunities through our global diaspora alumni network.

Dedicated Centre for Career Development: From Learning to Career Readiness

- **Career Development and Mentoring:** Dedicated support for career planning, mentoring and professional development.
- **Industry-Oriented Learning:** Internships, live projects, industrial visits and expert interactions integrated into the learning experience.
- **Professional Skill Development:** Focused development of communication, aptitude, coding, interview preparation and leadership skills.
- **Industry Certification Opportunities:** Opportunities to pursue certifications in AI, Cloud, Cyber Security, Data Analytics and other emerging technologies.
- **Innovation, Research and Entrepreneurship:** An ecosystem supporting incubation, multidisciplinary projects, research-driven learning and entrepreneurial initiatives.
- **Industry–Academia Connect:** Engagement with industry through corporate partnerships, alumni mentoring and professional interactions.
- **Higher Education and Career Guidance:** Guidance for competitive examinations, higher studies and national and international academic and career opportunities.



Future-Ready Education: Academic excellence • Advanced laboratories • Experiential learning • Professional skills • Career development

Sl No	Programme Offered	Specialized Centre Offering the Programme
1	5-Year Integrated M.Sc. (Tech.) in Data Science and Artificial Intelligence	Advanced Centre for Big Data and Computational Technology
2	1-Year Postgraduate Diploma in Big Data and Cyber Security	Advanced Centre for Big Data and Computational Technology
3	1-Year Postgraduate Diploma in Medical Instrumentation and Imaging Technology	Advanced Centre for Bioengineering
4	2-Year Advanced Postgraduate Diploma in Disaster Mitigation and Management	Advanced Centre for Disaster Mitigation and Management
5	1-Year Postgraduate Diploma in Indian Knowledge System and Heritage Engineering	Advanced Centre for Indian Knowledge System and Heritage Engineering

DISTINCTIVE PROGRAMME FEATURES

5-Year Integrated M.Sc. (Tech.) in Data Science and Artificial Intelligence

- ✓ Master the advanced concepts of Artificial Intelligence, Machine Learning pipelines, and advanced Data Analytics.
- ✓ Build a strong, future-ready computational skillset designed for the modern knowledge economy.
- ✓ Formulates an effective foundational pathway toward advanced research, tech-driven entrepreneurship, and professional certifications.

2-Year Advanced Postgraduate Diploma in Disaster Mitigation and Management

- ✓ Focuses on modern strategies for disaster risk reduction, hazard resilience, and community crisis response.
- ✓ Gain analytical expertise in climate change adaptation engineering and emergency resource management.
- ✓ Prepares professionals for leadership roles inside governmental bodies, international development agencies, and NGO networks.

1-Year Postgraduate Diploma in Big Data and Cyber Security

- ✓ Integrates advanced enterprise-level data analytics with cyber risk management, cryptographic engineering, and digital defense infrastructure to develop comprehensive expertise in cybersecurity and data-driven technologies.

1-Year Postgraduate Diploma in Medical Instrumentation and Imaging Technology

- ✓ Provides hands-on training in modern healthcare technologies, clinical instrumentation engineering, and advanced medical diagnostic and imaging systems, ensuring strong technical competence.

1-Year Postgraduate Diploma in Indian Knowledge System and Heritage Engineering

- ✓ Integrates India's traditional knowledge systems with modern engineering, conservation technologies, and sustainable development practices to address contemporary societal and technological challenges.

Programme-wise Qualifying Degrees	
Programme	Qualifying Degrees / Eligible Academic Background
5-Year Integrated M. Sc. (Tech) in Data Science and Artificial Intelligence	Passed 10+2 (Higher Secondary or equivalent) examination from a recognised Board with Mathematics as a compulsory subject. Admissions shall be made through JEE (Main), WBJEE or any other recognised National/State-level Engineering Entrance Examination approved by the University, in accordance with the prescribed admission policy.
1-Year Postgraduate Diploma in Big Data and Cyber Security	B.E./B.Tech. /B.Sc. (Engineering)/B.Sc. (Tech.) in any branch of Engineering or Technology; B.Sc. in Computer Science, Information Technology, Data Science, Artificial Intelligence, Electronics, Physics, Mathematics or Statistics; BCA; B.Sc. (IT); B.Sc. in Cyber Security; B.Sc. in Software Systems; BBA; LLB; B.Com.; Bachelor's Degree with Mathematics/Statistics/Computer Science as one of the subjects.
1-Year Postgraduate Diploma in Medical Instrumentation and Imaging Technology	B.E./B.Tech. /B.Sc. (Engineering)/B.Sc. (Tech.) in Biomedical Engineering, Electronics, Electrical, Instrumentation, Electronics & Communication, Computer Science or allied disciplines; B.Sc. in Physics, Electronics, Zoology, Botany, Biotechnology, Microbiology, Biochemistry, Physiology or Life Sciences; MBBS; BDS; BAMS; BHMS; BUMS; BPT; BOT; B.Sc. Nursing; Pharm.; BMLT; B.Sc. Medical Laboratory Technology; B.Sc. Radiology and Imaging Technology; B.Sc. Operation Theatre Technology or allied health science programmes.
2-Year Advanced Postgraduate Diploma in Disaster Mitigation and Management	B.E./B.Tech. /B.Sc. (Engineering)/B.Sc. (Tech.) in any branch; B.Sc. in Geography, Geology, Environmental Science, Earth Science, Physics, Mathematics, Statistics or Computer Science; Bachelor's Degree in Disaster Management, Agriculture, Forestry, Architecture or Planning; Bachelor's Degree in Economics, Sociology, Political Science, Public Administration, Social Work, Rural Development, Business Administration, Environmental Studies or allied disciplines.
1 -Year Postgraduate Diploma in Indian Knowledge System and Heritage Engineering	Bachelor's Degree from a recognized University in any discipline. The programme is multidisciplinary in nature and is open to graduates from Science, Engineering, Technology, Humanities, Social Sciences, Commerce, Management, Education, Fine Arts and other allied disciplines.

Mode of Selection

5-Year Integrated M. Sc. (Tech.) in Data Science and Artificial Intelligence

❑ Eligibility:

- **Candidates must have passed the Higher Secondary (10+2) Examination or equivalent from a recognized Board with Mathematics.**
- **The candidate must have secured Minimum 45% aggregate marks or 40% for reserved categories**
- **Admission to the Programme shall be based on merit determined through any of the following:**
 - **Seat-Category A: A valid JEE (Main) 2026 Common Rank List (CRL) rank based on the Final NTA Score;**
 - **Seat-Category B: A valid General Merit Rank (GMR) in WBJEE 2026;**
 - **Seat-Category C: A valid rank/score in any other National or State-level Engineering Entrance Examination recognised by the University.**

❑ Separate merit lists will be prepared for each admission category and allocation of seats shall be as follows:

- **Seat-Category A: 30%; Seat-Category B: 50%; Seat-Category C: 20%**

❑ Vacancies remaining unfilled in any admission category may be filled from other seat category in accordance with the approved conversion policy, subject to the applicable reservation rules.

Mode of Selection

1-Year Postgraduate Diploma & 2-Year Advanced Postgraduate Diploma Programmes

- ❑ The programme-specific eligibility criteria have been provided in the preceding section.
- ❑ Admission to the following programmes shall be made on the basis of Academic Merit:
 - 2-Year Advanced Postgraduate Diploma in Disaster Mitigation and Management
 - 1-Year Postgraduate Diploma in Big Data and Cyber Security
 - 1-Year Postgraduate Diploma in Medical Instrumentation and Imaging Technology
 - 1-Year Postgraduate Diploma in Indian Knowledge System and Heritage Engineering

❑ Preparation of Merit List

The merit list shall be prepared on the basis of a Composite Merit Score, computed by assigning: 60% weightage to the percentage of marks obtained in the Higher Secondary (10+2) or equivalent examination, calculated on the basis of the best four (04) subjects, each carrying 100 full marks; and 40% weightage to the percentage of marks obtained in the qualifying Bachelor's Degree examination.

Interpretation of Marks and Computation of Composite Merit Score

- ❑ Candidates awarded percentage of marks shall be considered on the basis of the percentage actually secured in the qualifying examination.**
- ❑ For candidates awarded CGPA, OGPA, CPI or any other cumulative grading system, the equivalent percentage of marks shall be determined strictly in accordance with the official conversion formula or equivalence certificate prescribed by the concerned Board, University or Institution.**
- ❑ Where the concerned Board, University or Institution has not prescribed any official conversion formula, the equivalent percentage shall be determined in accordance with the conversion methodology approved by the University of Burdwan for the purpose of admission.**
- ❑ Candidates claiming equivalence of CGPA/Grade Point with percentage shall be required to produce the official conversion formula or equivalence certificate issued by the concerned Board, University or Institution at the time of document verification, wherever applicable.**
- ❑ In case of any dispute relating to the computation of percentage, interpretation of grading systems, or determination of merit, the decision of the Admission Committee/Competent Authority of the University of Burdwan shall be final and binding.**

RESERVATION GUIDELINES

- ❑ Seats for candidates belonging to various categories (22% for SC, 6% for ST, 7% for OBC-NCL and 10% for EWS of total seats) are reserved as per the directives of the Government of West Bengal. Further, D.A. candidates will enjoy a 5% reservation in each of the categories, i.e. in SC, ST, OBC-NCL and in the Unreserved or UR category as per the Rules framed by the Government of West Bengal. One seat in each programme is earmarked for Sports Personality (SP) possessing the prescribed sports credentials.
- ❑ It will entirely be the responsibility of the candidate to prove his/her eligibility in terms of minimum educational qualifications and for claiming reservation under a specific category, if any, at the time of admission.

ANTI-RAGGING GUIDELINES

- ❑ In compliance with the UGC, D.O. No 1-152029 (ARC) pt III, dated 24th May, 2023 and in pursuance to the Judgement of the Hon'ble Supreme Court of India, dated 08.05.2009 in Civil Appeal No 887/2009, attention of all the applicants and parents are drawn to the “Regulations on Curbing the Menace of ragging in Higher Educational Institutions, 2009” notified by the UGC. The Regulations are available on the UGC website (www.ugc.ac.in)
- ❑ Ragging is completely banned in The University of Burdwan and its other centres of learning, and anyone found guilty of ragging and/or resorting to ragging in any form is liable to be appropriately punished as per law.
- ❑ Please follow the instructions provided at the link below:
<https://www.antiragging.in/information.html>
- ❑ Click the following link for mandatory undertaking of anti-ragging:
<https://www.antiragging.in/> or https://www.antiragging.in/affidavit_university_form.php
- ❑ All applicants are compulsorily required to complete the undertaking by strictly following these instructions and mention the Anti-Ragging Reference Number while filling up the application form for Admission.

RESERVATION & ANTI-RAGGING GUIDELINES

- ❑ The provisions relating to Reservation and Anti-Ragging contained in this Brochure are applicable to all applicants seeking admission to the programmes offered by the Faculty of Engineering & Technology.**
- ❑ Every applicant shall be responsible for complying with the applicable eligibility conditions, submission of prescribed documents and other statutory requirements.**
- ❑ The Reservation Guidelines and Anti-Ragging Instructions contained in this Brochure shall be read in conjunction with the relevant Admission Information Brochure(s) (link https://www.buruniv.ac.in/Notices/20260372_FCS.pdf), Admission Notifications, Statutes, Ordinances, Regulations and Orders issued by the University of Burdwan, together with the applicable Regulations, Guidelines and Notifications issued by the University Grants Commission (UGC) and the Government of West Bengal, as amended from time to time. In the event of any inconsistency, the applicable Statutes, Regulations, Government Orders and University Notifications shall prevail.**

ADMISSION TO THE AFOREMENTIONED PROGRAMMES SHALL REMAIN OPEN UP TO 20 SEPTEMBER 2026.

- ❑ PLEASE FOLLOW THE UNIVERSITY WEBSITE FOR REGISTRATION LINK & LOGIN LINK**
- ❑ After successful submission of Application Form, all applicants are advised to take a Printout of the submitted Application form along with Application Sequence Number for future references.**
- ❑ Candidates, while filling in the Application Forms, shall have to upload the relevant documents online.**
- ❑ Candidature shall be cancelled if it is not found during verification or at any stage of the Programme that the uploaded documents are in conformity with the original document.**
- ❑ Candidates, engaged in any Job/Full-time Work, shall not be allowed to pursue this course unless NOC is provided by the appointing authority**

PROGRAMME FEES

5-Year Integrated M.Sc. (Tech.) in Data Science and Artificial Intelligence

1-Year Postgraduate Diploma in Big Data and Cyber Security

1-Year Postgraduate Diploma in Medical Instrumentation and Imaging Technology

2-Year Advanced Postgraduate Diploma in Disaster Mitigation and Management

1-Year Postgraduate Diploma in Indian Knowledge System and Heritage Engineering

Rs 50,000/- per semester

Tuition fee waiver and scholarships as per Govt. Guidelines and University Norms

Candidates are advised to verify the applicable fee structure and payment instructions at the time of admission.

SEAT MATRIX		
5-Year Integrated M.Sc. (Tech) in Data Science and Artificial Intelligence		
Seat Category A: 30%	UR	10
	ST	1
	SC	4
	OBC	1
	EWS	1
	DA-UR	1
Seat Category B: 50%	UR	15
	ST	2
	SP	1
	SC	7
	OBC	2
	EWS	2
	DA-UR	1
Seat Category C: 20%	UR	6
	ST	1
	SC	3
	OBC	1
	EWS	1
Total: 60		
UR(Unreserved); ST (Scheduled Tribe); SC (Scheduled Caste);OBC (Other Backward Classes); EWS, (Economically Weaker Sections);DA-UR, Differently Abled – Unreserved; SP (Sports Personality)		

SEAT MATRIX APPLICABLE SEPARATELY TO EACH PROGRAMME		
ADVANCED POSTGRADUATE DIPLOMA AND POSTGRADUATE DIPLOMA PROGRAMMES		
<i>The seat matrix indicated is applicable separately to each following programme and represents the sanctioned intake for an individual programme:</i> • 2-Year Advanced Postgraduate Diploma in Disaster Mitigation and Management • 1-Year Postgraduate Diploma in Big Data and Cyber Security • 1-Year Postgraduate Diploma in Medical Instrumentation and Imaging Technology • 1-Year Postgraduate Diploma in Indian Knowledge System and Heritage Engineering	UR	33
	ST	4
	SP	1
	SC	13
	OBC	4
	EWS	2
	DA-UR	2
	DA-SC	1
Total Intake per Programme		60
UR(Unreserved); ST (Scheduled Tribe); SC (Scheduled Caste);OBC (Other Backward Classes); EWS, (Economically Weaker Sections);DA-UR, Differently Abled – Unreserved; SP (Sports Personality)		

REVISED ADMISSION CALENDAR

Activity	Date
Release of Admission Brochure & Opening of Online Applications	14 August 2026
Last Date for Submission of Online Application	20 September 2026
Publication of Broad Merit List	23 September 2026
Online Counselling (through Google Form)	24 September 2026
Publication of Final Merit List (Post Counselling)	28 September 2026
Online Payment of Admission Fees	29 & 30 September 2026
Publication of List of Admitted Candidates	01 October 2026
Commencement of Classes	05 October 2026
The Admission Calendar is subject to change, if necessary. Any changes shall be notified through the official University website.	