

# MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

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UNIVERSITY OF TECHNOLOGY,  
WEST BENGAL



## DEPARTMENT OF INFORMATION TECHNOLOGY

In Pursuit of Knowledge and Excellence



# INFORMATION TECHNOLOGY



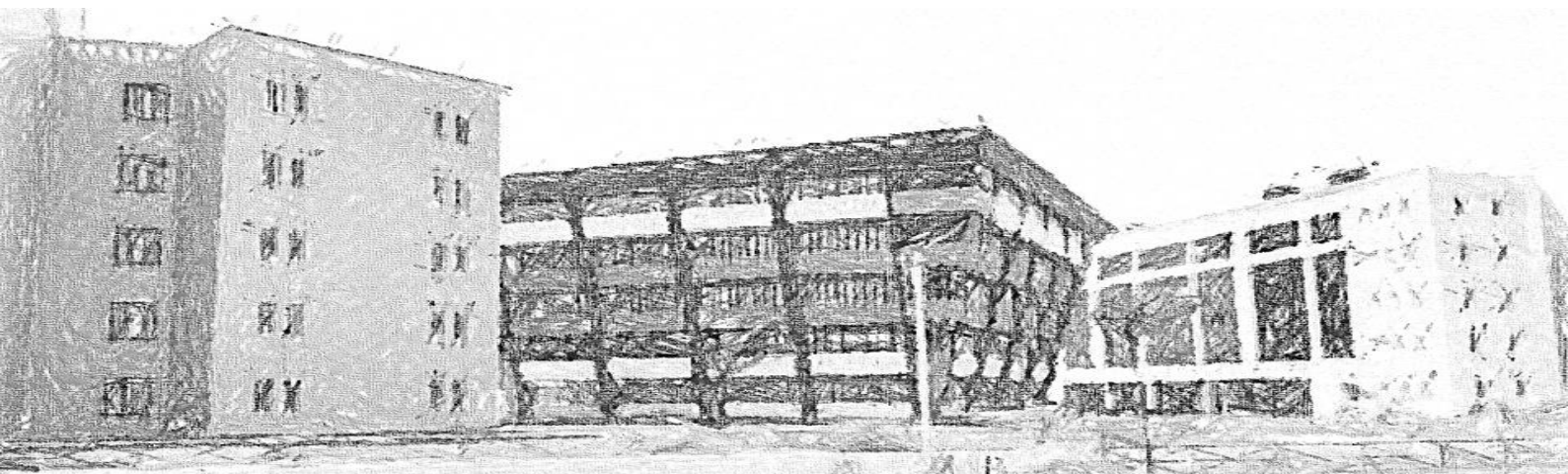
**DR. DEBASIS GIRI**

## **Message from Head of the Department**

A team of well-qualified faculty members who keep their knowledge up to date by attending conferences and workshops on a regular basis is a major asset of the department.

With rapidly evolving technology and the continuous need for innovation, the Department has always produced quality professionals, holding important positions in Information Technology and other Industries in India and abroad.

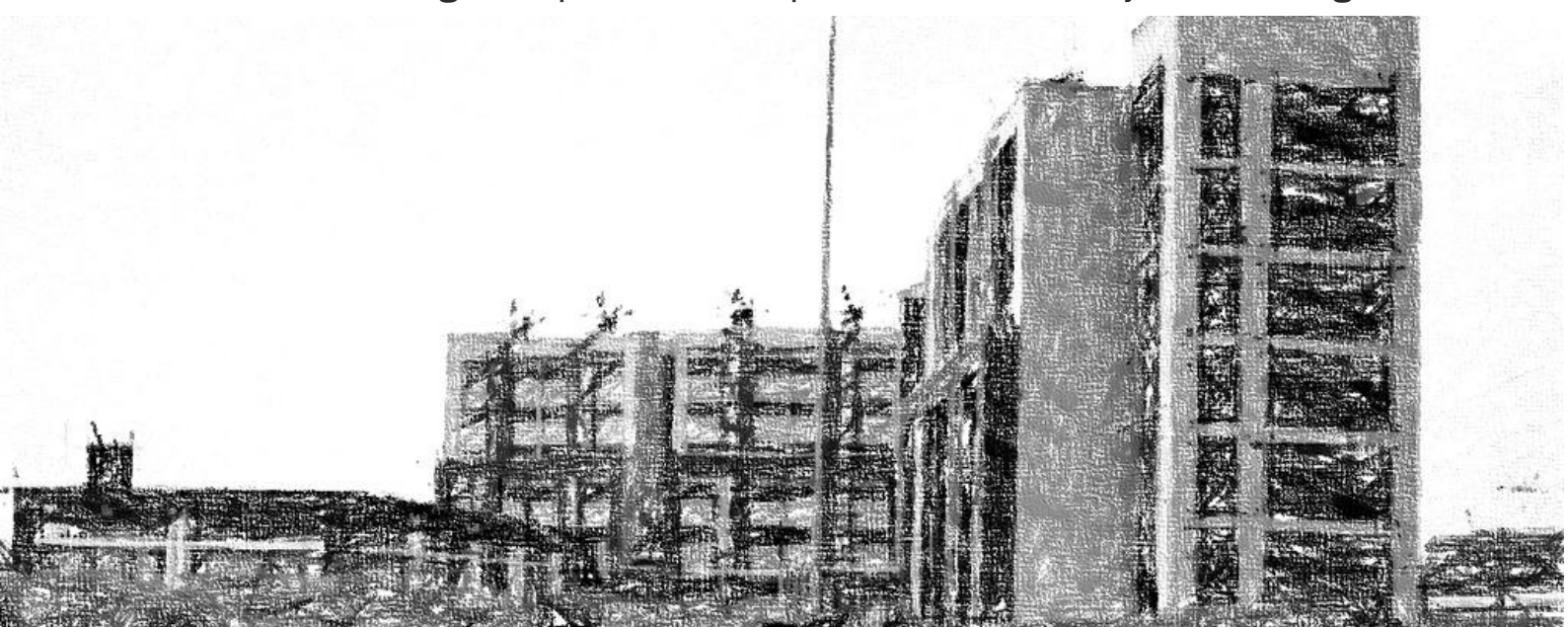
The Department moulds young outstanding engineers who are academically strong in both theory and practical. The department consistently produces excellent results at the University.



## OBJECTIVE:

The booming IT sector in India has plenty of jobs for fresh Information Technology graduates. Candidates from engineering colleges, however, get attractive job offers from MNC IT companies. Additionally, candidates with a higher percentage of marks and good communication skills, as well as sound computer knowledge, do not face problems in getting a job. Computer Engineers can get jobs in non-IT companies like Universities, research, private and public industries, government departments and business organisations, etc.

Besides the Computer Engineering has plenty of options to work in IT companies in departments such as design, development, assembly, manufacturing and maintenance, etc. Working as a programmer, web developer, and E-commerce specialist with telecommunication companies, automotive companies, aerospace companies, etc., can be a lucrative career option as well. Moreover, numerous national and multi-national computer manufacturing companies, computer hardware system design



and development companies, computer networking companies, software development companies, etc., require computer professionals in large numbers.

## **VISION OF THE DEPARTMENT:**

- To be a center of excellence in Information Technology, developing skilled, ethical, and innovative professionals for societal and global advancement.

## **MISSION OF THE DEPARTMENT:**

M1: Deliver strong fundamentals and industry-relevant IT education through hands-on learning.

M2: Promote research, innovation, and professional excellence within a center-of-excellence ecosystem.

M3: Instill ethics, teamwork, communication skills, and lifelong learning abilities.

## **DEPARTMENTAL GOAL:**



1. The department will provide high-quality undergraduate and graduate education in computer science by enhancing teaching effectiveness to keep the program current with the rapidly changing Information technology and providing

equipment/facilities for students to access and gain practical experience.

2. The department will provide effective academic advising to promote student learning and development outcomes and achievement of educational goals.
3. The faculty will remain current in the discipline through professional development and scholarly activity, and increase opportunities for and the number of collaborative faculty/student projects.

## **COURSE OFFERED:**

### **Undergraduate Courses:**

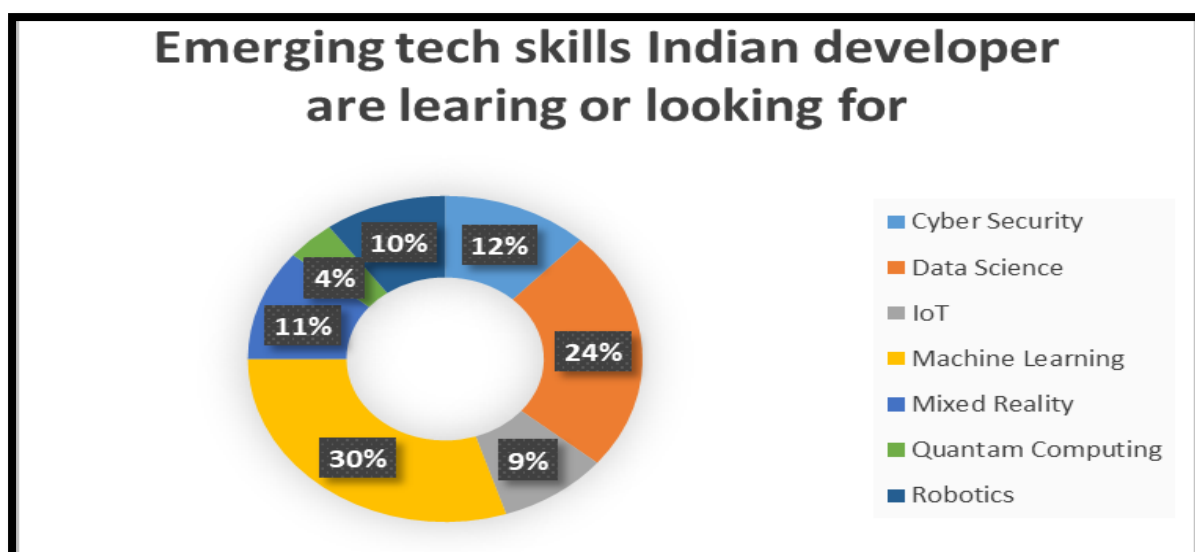
- **B. Tech in Information Technology**

### **Postgraduate Courses:**

- **M. Tech in Information Technology**

## **INTAKE FOR COURSES:**

- **B. Tech Course: 60**
- **M. Tech Course: 30**



## OUR FACULTY MEMBERS:



Prof. Nabarun  
Bhattacharya  
Professor & Director,  
SIS&T



Prof. Tilendra Shishir  
Sinha  
Professor



Dr. Debasis Giri  
Associate Professor &  
HoD of Information  
Technology



Dr. Somdatta  
Chakravorty  
Associate Professor



Dr. Jadav Chandra Das  
Assistant Professor



Dr. Sayantani Saha  
Assistant Professor



Dr. Nabanita Ganguly  
Assistant Professor



Dr. Kamarujjaman  
Assistant Professor



Dr. Dipanwita Ghosh  
Assistant Professor



Mr. Joy Samadder  
Assistant Professor,  
TPO In-Charge



Mrs. Kamalika  
Bhattacharjya  
Assistant Professor



Ms. Sayani Manna  
Assistant Professor



Mr. Sayan Kumar Roy  
Assistant Professor

## COURSE FEES:

Course	B. Tech	M. Tech
Total Semester	8	4
Admission Fee	₹4000	₹4000
Tuition Fee / Semester	₹27800 (Odd Semester)	₹18000
	₹25000 (Even Semester)	-
Lab Fee / year	-	₹1000
Library Fee / Semester	-	₹600
Development Fee	₹2200	₹1100
Caution Money	₹8000	₹8000
Registration Fee	₹500	₹500
Exam Fee / Semester	₹1200	₹1200
At the time of Admission	₹42600	₹32700
Total Course Fee	₹232300	₹86800

## CAREER OPPORTUNITIES:

On the successful completion of the program, one can look at the following profiles:

- Software Engineer / Programmer
- Developer (.NET / Java / C++, etc.)



- Network Administrator
- Database Administrator
- Network Programmer
- Tester
- System Analyst
- Business Analyst
- System Engineer
- Hardware Engineer
- Support Specialist

## **ADMISSION PROCEDURE:**

### **Eligibility for Admission to B. Tech:**

Candidates having an Engineering 'Merit Rank' in WBJEE. Candidates must pass the Higher Secondary (10+2) Examination of the West Bengal Council of Higher Secondary Education or equivalent examination from a recognised Council/Board in regular class mode with

1. Individual pass marks in Physics, Chemistry and Mathematics as compulsory subjects and
2. Minimum of 45% marks in the above subjects taken together (40% for SC / ST / PwD / OBC-A / OBC-B Candidates) as well as a pass in English with a minimum of 30% marks (for all categories of candidates) in the said qualifying examination.

### **Eligibility of Admission to M. Tech:**

Valid GATE (Graduate Aptitude Test) score card or valid PGET (Post Graduate Entrance Test conducted by MAKAUT, WB) score card and B. Tech pass marks.

## **B.TECH IN INFORMATION TECHNOLOGY:**

B. Tech Information Technology or B. Tech (IT) is an undergraduate academic degree offered in India which focuses mainly on computers and technology. This course refers to the application of technology to solve business processes. Management of computers is important than computation. IT plays an important role in the future of upcoming technology. IT consists of programming, software administration, hardware administration, networking and network security.

### **Features:**

B. Tech in Information Technology course enables a candidate to become a professional in the subject.

### **Eligibility:**

Students should

- Pass 10+2 (HS exam) or equivalent (ISC)
- Secure a minimum of 45% marks in Physics, Mathematics and Chemistry
- Have a valid WBJEE rank

### **Skills Developed:**

- Online shopping
- Digital marketing
- Cloud computing
- Mobile computing
- Big data analysis

### **Course Outcome:**

The students will develop knowledge about the general dynamics involved in the field. Knowledge of mathematics, science and

computing in the core information technologies, design, and analyse complex computer systems and implement and interpret the results from those systems will also be built up. Students having the ability of technical knowledge for planning, initiating and evaluating the data along with implementing the necessary information are considered beneficial criteria for the program.

### **Job prospect:**

Information technology jobs are in high demand. Information technology has entered and benefited all sectors of industry. IT professionals design, support, and maintain computer hardware and software for various industrial and individual applications and are much sought after for their expertise and experience. The National Association of Software and Service Companies has predicted a 12 per cent increase in Indian software exports in 2015-16 to \$112 billion. Probably, the only, or at least the biggest, hurdle in the country achieving this growth rate is the shortage of skilled and competent IT professionals.

- Applications programmer
- Project manager (IT)
- Database administrator
- IT business analyst
- Software quality assurance & testing
- Information security officer
- Software trainer
- M. Tech and PhD in different technical fields, i.e. Information Technology, Computer Science and Engineering, etc.

## **M.TECH IN INFORMATION TECHNOLOGY:**

M. Tech Information Technology or M. Tech (IT) is a post-graduate academic degree which focuses mainly on computers and technology. The course is designed in a manner that students can excel and specialise according to their interests. The delivery

method of the program includes lectures from experienced faculty and guest lectures from experts. Industrial internship or academic research is a mandatory part of the program, in which every student has to participate in order to complete the M. Tech (IT). The experience gained during the course can prove to be highly useful for the students at the time of recruitment.

### **Features:**

M. Tech in Information Technology course enables a candidate to become a professional in the subject.

### **Eligibility:**

Students should

- Pass B. Tech or MCA
- Secure minimum 55% marks
- Have a valid GATE or PGET rank

### **Skills Developed:**

- Digital marketing
- Cloud computing
- Mobile computing
- Big data analysis

### **Course Outcome:**

The students will develop knowledge about the general dynamics involved in the field. Knowledge of mathematics, science and computing in the core information technologies, design, and analyse complex computer systems and implement and interpret the results from those systems will also be built up. Students having the ability of technical knowledge for planning, initiating and evaluating the data along with implementing the necessary information, are considered beneficial criteria for the program.

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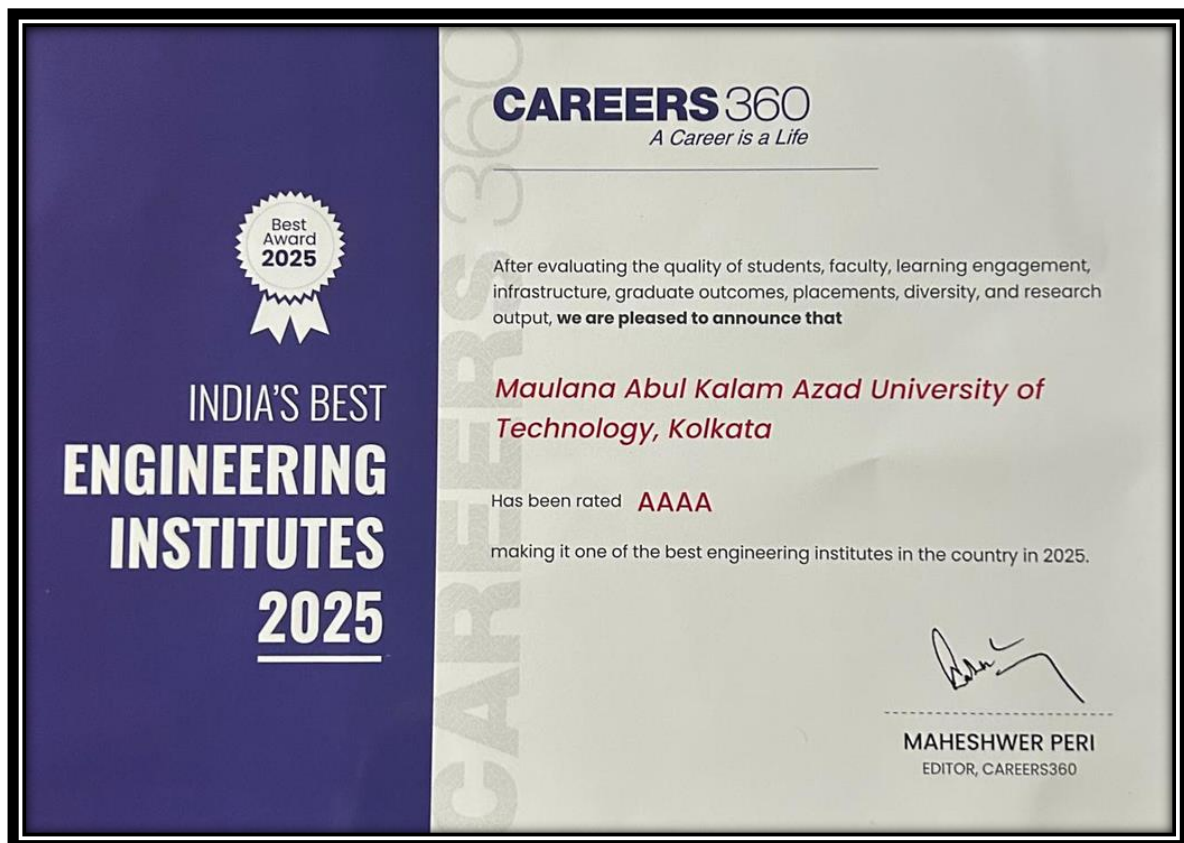
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- Lecturer in academic institutions
- PhD in different technical fields, i.e. Information Technology, Computer Science and Engineering, etc.

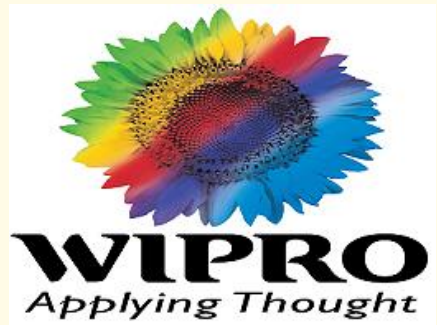


## OUR PLACEMENT:

It is crucial to measure and monitor environmental impact to ensure that your company is operating sustainably. This section reports on any sustainability initiatives undertaken to ensure that the planet is not sacrificed in pursuit of profit. More than 87% students have got placed last year in reputed organisations, and we hope the number will increase in upcoming sessions.



Intosys



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Website: [it.makautwb.ac.in](http://it.makautwb.ac.in)

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