

# Computer Science & Engineering



**NAAC**  
National Assessment  
and Accreditation Council

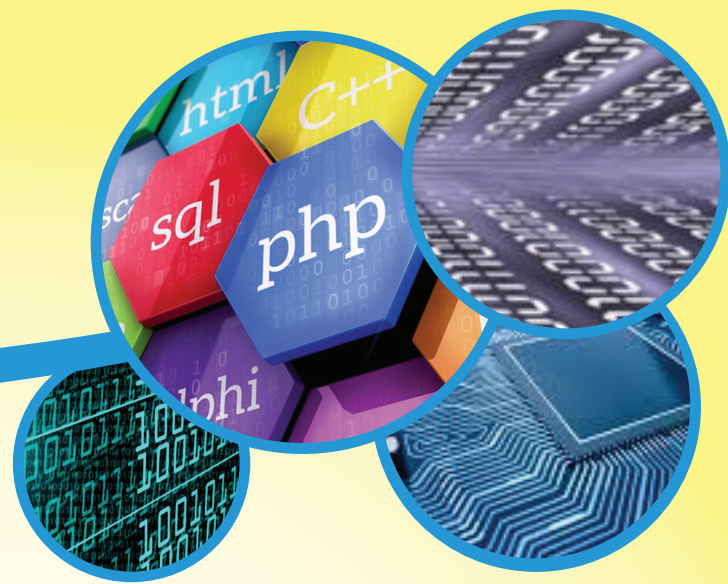


## OmDayal Group of Institutions

**ENGINEERING | ARCHITECTURE | MANAGEMENT**

AICTE & COA Approved | NAAC Accredited | MAKAUT (WBUT) Affiliated

# DEPARTMENT OF Computer Science & Engineering



The AICTE/MAKAUT-approved NAAC accredited B. Tech. Computer Science and Engineering degree course at the best engineering college in West Bengal for computer science, ODGI-Engineering College, Uluberia, Howrah emphasizes the education and training to design, implement, test, and utilize the hardware and software of digital computers and digital systems.

The main objectives are to:

## OBJECTIVE

01

Make the students capable of applying their knowledge and skills to excel in their career/ professional development and/or higher studies to pursue flexible career paths along with changing technological scenario.

## OBJECTIVE

02

Contribute value added technical expertise to design, development, and production in their practice of computer science and computer engineering, in related engineering or application areas.

## OBJECTIVE

03

Nurture confidence to apply basic principles and practices of computing for successfully completing hardware and/or software related engineering projects to the utmost customers' satisfaction/ business objectives.

## OBJECTIVE

04

Infuse strong communication skills and the ability to function effectively in multi-disciplinary teams.

## About the department

The Department aims at imparting quality education and strives to quench the thirst for knowledge. The Department offers **B. Tech. (CSE)**. The Department lays emphasis on theoretical and practical aspects of subjects taught viz. Computer Technologies, Distributed Computing, Information Security, Programming Languages, networking and database management, Software engineering, Operating System and several other domains of computer engineering. Moreover updating of syllabus is carried out at regular span of time to keep in pace with the recent technologies i.e. incorporation of Android, Python, Soft-Computing. The curriculum inculcates industrial summer training which enable students to get acquainted with work culture and in turn help them groom themselves. Symposiums, workshops, conferences and seminars of national and international levels are organized by department in close liaison with renowned professional societies such as Institution of Engineers IE(I) , Computer Society of India (CSI) etc. Moreover experts with hands on experience regularly share their domain knowledge with the department. The Department has state of the art infrastructure and computing equipments supported by high speed Ethernet and Wi-Fi networks.



**PROF DIPANKAR HAZRA**  
(B.C.S.E (JU), M.Tech(JU))

## From the desk of HOD:

Computer Science and Engineering Department are active with several activities throughout the year. The department offers **B. Tech in Computer Science & Engineering** program. The Department has well highly experienced and committed faculties and well-developed laboratories. The department strives for the overall development of students by invited talks of eminent personalities and technocrats, organizing workshops, seminars on recent developments.

We are dedicated to mold our students to become successful engineers in the field of computer science, entrepreneurs and future leaders with knowledge, analytical skills, creativity and ethics to develop the innovative solution to challenging problems. Our students find placement in top ranking industries. Students are exposed and trained in various value-added courses like Android, Python, JAVA, Dot NET, and Machine Learning, Data Science by the experts from various institutes to motivate them.



# COURSE OUTLINE

## Degree Awarded

§  
**B.Tech. in Computer  
Science Engineering**

## Degree offered by

Maulana Abul Kalam Azad  
University of Technology

## Course Accreditation

National Assessment &  
Accreditation Council  
(NAAC)

## Duration

4 years

## Study Mode

Full Time

## Course Approval

All India Council for  
Technical Education  
(AICTE)

## Eligibility

Valid rank in WBJEE or JEE(Main), 10+2 Board  
Exam passed with 45% aggregate in Physics,  
Mathematics along with  
Chemistry/Biology/Biotechnology/Computer  
Science/Information Technology/Business Studies.

Candidate must clear theory and practical  
examination. 40% marks for SC/ST/OBC with  
above subjects taken together. Candidate must  
have passed in English. No upper age limit.

## VISION

To become an institute of repute and bring about a change in the sphere of technical education in Bengal by offering full range of programs of global standard and to transform the students into global competent personalities.

## MISSION

- ✓ To provide state-of-the-art resources required to achieve excellence in teaching-learning, and supplementary processes.
- ✓ To provide Faculty and Staff with the required qualification and competence
- ✓ To motivate for their holistic development
- ✓ To provide opportunity to the students to bring out their inherent talent.



# CAREER OPPORTUNITIES:

## IT Consultants

An IT consultant advises clients on the planning, design, installation, and usage of information technology systems to meet their business objectives, overcome problems or improve the structure and efficiency of their IT systems.

Maintaining cyber security has become increasingly important, so in this role you will focus on understanding the risks to the security of information or data.

## Cyber security Consultants

A similar role to an IT consultant, an information systems manager is usually a full-time member of staff, responsible for the secure and effective operation of computer systems within their company.

## Information System Manager

A database administrator (DBA) is responsible for accurately and securely using, developing, and maintaining the performance, integrity and security of a computerized database.

## Database Administrator

A multimedia programmer is responsible for designing and creating multimedia computer products, making sure they are functional and maintaining fidelity to a designer's specification.

## Multimedia Programmer

A systems analyst uses computers & associated systems to design new IT solutions, as well as modifying and improving current systems to integrate new features or enhancements, all with the aim of improving business efficiency & productivity.

## System Analyst

Games developers produce games for personal computers, games consoles, social/online games, arcade games, tablets, mobile phones and other hand-held devices.

## Game Developer

## SUCCESS STORIES OF CURRENT BATCH



I am writing to express my appreciation for the college's support during the placement process. The placement cell did a great job in coordinating with TCS and keeping us informed throughout. Overall, I am very happy to have secured a position at TCS digital, and I am grateful to the college for their guidance and support throughout my academic journey.

### **SUBHAM AGARWAL**

Batch : 2024    B.Tech in CSE

Placed at TCS



The CSE department of the OmDayal Group of Institutions offers excellent support and practical learning opportunities. Faculties are supportive, preparing students well for careers in technology with industry-relevant Skills.

### **TANIA HAZRA**

Batch : 2024    B.Tech in CSE

Placed at TCS



I am happy to share my experience of four-year journey in the Computer Science Department of OmDayal Group of Institutions has been a transformative experience, marked by rigorous coursework, hands-on projects, and continual learning. From learning fundamental programming languages and algorithms to exploring machine

### **SHIVAM JHA**

Batch : 2024    B.Tech in CSE

Placed at TCS

# ALUMNI SPEAKS



I am Sohan Chakraborty, a final-year student in the Computer Science and Engineering Department, at ODGI. I am delighted to share my positive experience with the CSE department at college. Over the past four years, I have had the pleasure of interacting with knowledgeable and supportive faculty members from the department who have played an instrumental role in my academic and professional development. Their friendly and helpful attitude has made my learning experience not only enjoyable but also highly impactful. Thanks to the guidance of the CSE department, I was able to secure a job in my desired field, and I am forever grateful for their mentorship

**SOHAN CHAKRABORTY**

Batch : 2023 B.Tech in CSE

Placed & Working at Allied Media Innotech Pvt Ltd



These four years of b.tech are the best part of my life. I enjoy every day of my college. My college teachers are very friendly and they help me every step where I feel weak. I learn about many new things like latest technology and also improve my problem solving skills. and It helped to build a good career of my life.

**TRISHA MONDAL**

Batch : 2023 B.Tech in CSE

Placed & Working at Nrxcn IT Technologies



Our computer science department is dedicated to providing students with a strong foundation in computer science and cutting-edge technology. Our faculty members are so friendly and committed to preparing students for successful careers in the tech industry.

**SUBHENDU DEY**

Batch : 2023 B.Tech in CSE

Placed & Working at Nrxcn IT Technologies



'My four years BTech journey at OmDayal Group of Institutions is one of the most rewarding journey of my life. Starting from the students, seniors, the faculty members everyone helped me to grow as a better human being first in this journey. And for the faculty members they always supported me to explore myself and also always helped me in my academic career. I am truly grateful to them for their continuous support and guidance.'

**ARITRA MUKHERJEE**

Batch : 2022 B.Tech in CSE

Selected at Capgemini, Wipro



'MY JOURNEY - "It is literally true that you can succeed best and quickest by helping others to succeed". Thank you ODGI for making me brave. Thanks for pushing the limits and reassuring me that I could get through them. The knowledge, understanding and genuine care from faculty illuminated my journey. I am grateful and proud to be a part of OmDayal College.'

**RANGOLI MISHRA**

Batch : 2022 B.Tech in CSE,

Selected at Wipro, Infosys, Capgemini, Harman - A Samsung Company





'I'd like to thank the entire ODGI family and all faculties of the CSE department for their constant guidance and support throughout this whole journey. I am thankful to my college for providing me the opportunities to show my talent and also thankful to my teachers for their extreme guidance.'

### **OISHIK SINHA**

Batch : 2022 B.Tech in CSE,  
Selected at TCS, WIPRO, ALLIED MEDIA



Thank you OGI, for facilitating such a positive learning environment, and thank you to every teacher for being an extremely hardworking instructor, for your patience, and for caring for the students and training them. For allowing us to question without judging and for having a growth mindset with us. Students succeed when students feel the freedom to imagine and trust you give. Thank you.

### **PURNIMA RAI**

Batch : 2022 B.Tech in CSE,  
Working at Harman India



'My sincere thankfulness to the department of CSE, ODGI, and other faculties who has immensely helped me succeed. My department faculties helped me develop my programming and communication skills during the course of 4 years. As a result of the constant support and guidance from the department and my family, I was able to grab a great opportunity at an MNC. Thank you for boosting my confidence.'

### **YUKTA AGARWAL**

Batch : 2021 B.Tech in CSE  
Working at Capgemini



'I am very thankful to odgi and my faculty. They gave support to me on this journey. I am very happy to got this learning platform.'

### **ARYAMA JUIN**

Batch : 2021 B.Tech in CSE  
Working at Cognizant



Finding the right path to success at the right time is really very important and for that I chose OmDayal Group of Institutions. I would like to thank my professors, my batch mates, my seniors and my family for helping me in my ups and downs and shaping me into a better, responsible, and successful person. ODGI has given me the platform to showcase my skills and achieve my goals.

### **SRISHTI KARAN**

Batch : 2021 B.Tech in CSE,  
Working at Capgemini

## Beyond Studies:

Data Visualization Challenge is organized by Capsule Labs on 17th February, 2022.

Technical Fest VOYAGE 2022 held on college premises. Some of the notable projects are SHE Controlled Mouse, Smart Irrigation System, Attendance System with Face Recognition, Futuristic Car with Wireless Charging etc.

Abhishek Raj, Shivam Roy under the guidance Mr. Saikat Pahari published a paper on face recognition in Journal of Applied Computer Science & Artificial Intelligence.

Departmental Newsletters are published frequently.





# STUDENTS ACHIEVEMENTS



**SOURYADIP GHOSH**

2nd Year CSE

2nd Position, India International Festival, 2022.



**AMIT PATRA**

2nd Year CSE

2nd Position, India International Festival, 2022.



**AYON DAS**

3rd Year CSE

1st Position, MAKAUT technical & cultural festival Anweshan 2022



**PRITAM PAUL**

4th Year CSE

3rd Position, MAKAUT technical & cultural festival Anweshan 2022



**SOUMILI DEY**

4th Year CSE

3rd Position, MAKAUT technical & cultural festival Anweshan 2022



**MOSAMMAT SAMMA YASMIN**

4th Year CSE

3rd Position, MAKAUT technical & cultural festival Anweshan 2022



**TRISHA MONDAL**

4th Year CSE

1st runner up, Secure Bengal Hackathon and Learning Challenge on Application Security Cyber Security Centre of Excellence of West Bengal,



## SPECIAL ACHIEVEMENTS OF STUDENTS



### SHANTANU SAHOO

4th Year CSE  
GATE SCORE=818  
All India Rank in CSE 107



### SUBHENDU DEY

4th Year CSE  
GATE SCORE=397  
All India Rank in CSE 7138

## Seminar & Workshop organized by CSE department

A Virtual workshop on **"Network Security vs Ethical Hacking"** has been organized by Computer Science & Engineering department on 17th February, 2023. Sandipan kr. Mishra, Trainer, Network Bullstudy Pvt. Ltd, has deliver his thoughts.

An Webinar on **"Understanding Cyber Security: A Comprehensive Approach"** has been organized by Computer Science & Engineering department on 14th February, 2023. Dr. Rajdeep Chakroborty, Chandigarh University has deliver his thoughts.

Workshop on **"Project building using Python"** has been organized by Computer Science & Engineering department on 16th November-18th November & 22th November-23th November, 2022. Dr. Dhrubajyoti Ghosh, Assistant Professor Computer Science & Engineering, OmDayal Group of Institutions & Ardent Computech Private Limited has share their knowledge to the students and train them well.

A Seminar and workshop has been conducted by department of Computer Science & Engineering on 7th May, 2022 in the college premises on **"Data Science with Python"**. In the first half of the program involved of having an invited talk from Dr. Kinsuk Giri, Assistant Professor of NITTTR, Kolkata, followed by a workshop conducted by Euphoria Zenx in the second half on the same day. Total 100 students has participated in the program.

An Webinar on **"Intellectual Property Rights (IPR) Awareness Programme"** has been organized by Computer Science & Engineering department on 14th March, 2022. Mr. Nikhil Ranjan, Examiner of Patents & Designs, The Patent Office Kolkata, DPIIT, Ministry of Commerce, Government of India has deliver his thoughts.

An Webinar on **"Modern IT Technologies"** has been organized by Computer Science & Engineering department on 18th December, 2021. Mr. Dhrubajyoti Das, Senior Consultant, TCS has deliver his thoughts.

An Webinar on **"Future Engineer's Think Outside the Box Challenge"** has been organized by Computer Science & Engineering department on 18th September, 2021. Mr. Rahul Kumar, Founder & Chief Operating Officer, Lysterium Inc has deliver his thoughts.



An Industry Institute Interaction Program **"Intelligence in Internet of Things"** has been organized by Computer Science & Engineering department on 11th September, 2021. Mr. Atanu Roy Chowdhury, Founder, CEO Capsule Labs has deliver his thoughts.

# LABORATORY INFRASTRUCTURE



## Programming Lab:

### Hardware:

30 Desktop, 1 Printer, 1 Switch, All Desktops Connected to LAN and High Speed Internet.

### Software:

Windows, Ubuntu, C, C++, Java, Python.

## DBMS & Artificial Intelligence Lab:

### Hardware:

30 Desktop, 1 Printer, 1 Switch, All Desktops Connected to LAN and High Speed Internet.

### Software:

Windows, Ubuntu, Oracle, JSP, Prolog.

## Networking Lab:

### Hardware:

30 Desktop, 1 Printer, 1 Switch, All Desktops Connected to LAN and High Speed Internet.

### Software:

Windows, Ubuntu, Java, Net Sim software academic version 2.0

## Operating systems lab :

### Hardware:

30 Desktop, 1 Printer, 1 Switch, All Desktops Connected to LAN and High Speed Internet.

### Software:

Microsoft Windows 2011 Server, Borland C++, Ubuntu, Cyberoam Firewall



# PLACEMENTS



TATA CONSULTANCY SERVICES



Cognizant

Infosys®  
Navigate your next

Capgemini  
CONSULTING. TECHNOLOGY. OUTSOURCING

accenture

amazon



Mphasis  
The Next Applied



ENVESTNET  
Yodlee

## CONTACT US

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For any queries call between Monday to Saturday 10:30am to 6:30pm