Department of
COMPUTER SCIENCE & ENGINEERING

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ABOUT THE DEPARTMENT

The Department provides excellent learning and research environment with courses from a wide range of fundamental topics in computer science, such as Computer Theory and Algorithms, Computer Hardware,Software Systems, Computer Networks, Artificial Intelligence, Databases, and more. Our wide coverage gives our students the option to pursue a career in any area of Information science of their choice. Our graduate program builds upon the fundamentals, educating students in the emerging and developing areas of computer science, such as Big Data, IoT, **Deep** Learning,Cloud computing, Virtual Reality, and Block Chain so that they can conduct world-class research. They also collaborate with the industry in many joint projects that apply the latest technologies in the real world. Computer science is an essential and core field in the transitions to the society of information. By designing and fabricating high performance computers and developing the software necessary for their operation, computer science makes the best computer technology available to the entire industry. Computer science is based on building **t**hefundamentals through theoretical research and pursuing real life applications throughapplied research.

As the foremost technology/brain intensive industry, the computer industry has been designated as one of the key government initiatives and is supported at the national level.For this reason, the demand for advanced computer professionals in the industry is rapidly increasing. The Department of Computer Science and Engineering at SNU strives to become a centre of advanced computer technology research and human resource development.

COURSES OFFERED

- ⊘ *4 years' B.Tech in CSE (Integrated with IBM).*
- ⊘ *4 years' B.Tech in CSBS (Integrated with TCS)*
- ⊘ *2 years' M.Tech in CSE.*
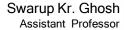- ⊘ *3 years' B.Tech - CSE (Lateral).*
- ⊘ *3 years' Diploma in CSE.*

FACULTY PROFILE

Dr. Sanku Bose
Professor & Dean

Vinod Pandey
Mentor

Mousumi Bhattacharyya
HoD

Swarup Kr. Ghosh
Assistant Professor

Aiswarya Banerjee
Assistant Professor

Anirban Mitra
Assistant Professor

Asmita Roy
Assistant Professor

Joy Dutta
Assistant Professor

Sadip Midya
Assistant Professor

Susmita Sen
Faculty

Debanjan Das
Faculty

OUR INFRASTRUCTURE

This department comprises advanced class rooms facilities and various laboratories. The laboratories are well equipped with high computational machine with latest software. The laboratories include:

- ⊘ *Computer Programming Lab*
- ⊘ *Operating System lab*
- ⊘ *Design and Analysis of Algorithm Lab*
- ⊘ *IT Workshop Lab*
- ⊘ *Artificial Intelligence Lab*
- ⊘ *Machine Learning Lab*
- ⊘ *Data Science Lab*
- ⊘ *Database Management System Lab*
- ⊘ *Software Engineering Lab*
- ⊘ *Computer Network Lab*
- ⊘ *Computer Organization and Architecture Lab*
- ⊘ *Analog and Digital Electronics Lab*
- ⊘ *Multimedia Lab*

CAREER PROSPECTS

Career Alternatives for Computer Science Engineers:

- » *Software Engineer*
- » *Software Developer*
- » *Computer Programmer*
- » *System Developer*
- » *Database Administrator*
- » *Data warehouse analyst*
- » *Machine Learning Engineer*
- » *Data Analytics*
- » *Data Scientist*
- » *Business Analyst/Business Intelligence*
- » *Information Security Analyst*
- » *Technical Risk Analyst*