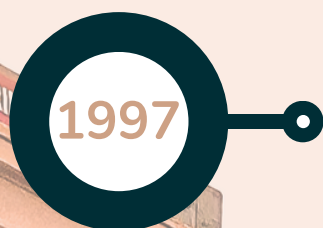




DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Since its establishment in 1997, our Department of Computer Science and Engineering has cultivated an exceptional research environment, fostering excellence in both teaching and innovation. Our esteemed faculty, actively engaged in esteemed national and international societies, lead groundbreaking research in areas such as Parallel and Distributed Algorithms, Cryptography & Network Security, and Image & Video Processing. With major R&D projects supported by prestigious organizations, we continue to attract top-tier talent, inviting individuals poised to make significant contributions to our dynamic team.



Department of
Computer science
Engineering
was established

DOMAINS OF STUDY

- Programming and Software Development
- Algorithms and Data Structures
- Theoretical Computer Science
- Computer Systems and Architecture
- Operating Systems and Networks
- Databases and Information Systems
- Artificial Intelligence and Machine Learning
- Security and Cryptography
- Construction Management
- Specialized Computing Fields
- Graphics and Multimedia
- High-Performance and Parallel Computing
- Optimization and Computational Techniques
- Data Science and Analytics

LABORATORIES - UG, PG

- Data Structures Lab
- Algorithm Design and Analysis
- Database Management System
- Computer Networks Laboratory
- Computer Organization Lab
- Software Engineering Lab.
- Operating System Lab

Courses	Strength
B.Tech	152
M.Tech	41
Double Major	15
Dual Degree	10

PLACEMENTS & INTERNSHIPS

59+ LPA
Max. CTC

19+ LPA
Median CTC

90k/ mo
Median Stipend during Internship

Core Companies



Meet our Head of Department



PROF. CHIRANJEEV KUMAR

(Professor)

26-12-2023 - Present

chiranjeev@iitism.ac.in,

Alma Mater : MNNIT Allahabad

Primary Areas of Research

Wireless Networks , Software Engineering



Citations 1987⁺
H-index 24

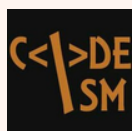
Achievements

- Receive the BEST PAPER AWARD, World Congress on Engineering and Computer Science (WCECS-2007) held at University of California, San Francisco (USA), 24-26 October 2007. (Organized by IAENG).
- Advisory Board Member of the "IEEE International Conference on Computer, Electronics and Electrical Engineering and Their Applications (IC2E3-2023)",
- Subject Expert, for assisting the Union Public Service Commission (UPSC) in various Interviews/Personality Test Boards
- Working as a Chairman of DFSC of Computer Science & Engineering Department for Professor, Associate Professor and Assistant Professor since 01 February 2024.

Ongoing & Completed Departmental Research

- Study of Executive Manpower requirement for the next 10 years in CIL and its Subsidiaries [CONS/3859/2018-19]; Coal India Limited Member; 107.59 Lakhs; Aug'18 Ongoing
- Development of Virtual Reality Mine Simulator (VRMS) for improving Safety and Productivity in Indian Coal Mines [CIL(9)/2017-2018/540/ME]; Coal India Limited Co-PI; 1401.0 Lakhs; Sept'17 Ongoing
- Information Security Education & Awareness (ISEA) Phase-II [MCIT(3)/2015- 2016/419/CSE] MCIT, New Delhi Team Member; 148.10 Lakhs; Jun'15 – Dec'23 Completed
- Energy-Efficient Intruder Detection Schemes for WSN using Learning-based Techniques [DRDO(2)/2015- 2016/431/CSE] DRDO, New Delhi PI; 28.52 Lakhs; Nov'15 – Nov'18 Completed
- FIST- 2018 (Project No: DST-FIST(208)/2018-2019/606/CSE) DST; 52.00 Lakhs; 08 June 2018 (05 years); Co-PI
- Cloud based Smart Video Surveillance System with Application Layer Cyber Physical Systems Security C3iHU B IIT Kanpur; 31.28 Lakhs 07.10.2021 (3 Years); PI
- Development of Content-Based Image Filtering Approach to Prevent Objectionable Image Retrieval from The Internet (Project No: CSIR(34)/2020-2021/754/CSE) CSIR; 18.60 Lakhs; 01.11.2020 (3 Years) PI
- Design and Implementation of Multiple Strategies to Identify Handwritten Forgery Activities in Legal Documents SERB, Govt. of India PI Rs. 13.09 lakhs Completed
- To Strengthen the Research Facilities in the Department of Computer Science and Engineering FIST, Govt. of India Co-PI Rs. 52 lakhs On-going
- Enterprise solution constructs for CMPF portal - Coal Mines Provident Fund, Govt. of India. Project No. (R) : CONS/6034/2020-21 (18-01-2021) [Cost: Rs. 531000.00]. (Co-CI)
- Content creation and live lectures on Ethereum and Smart Contracts - DApps Development, Tata Consultancy Services, India. Project No. : EDP/7084/2023-24 (28-06-2023) [Cost: Rs. 322750.00]

Active Student Run Societies



CSES - Computer Science and Engineering Society

- **Aim** : to fostering a vibrant and inclusive community where innovation thrives, knowledge is shared, and members are empowered to reach their fullest potential. Together, we will embark on a journey to explore new frontiers in the realm of computer science and engineering, pushing boundaries and leaving a lasting impact.

CSES has been keen and active in organizing various workshops, competitions and guest lectures by professors and industrial experts having renowned backgrounds for the students of IIT(ISM) Dhanbad. It includes their Flagship competition -

HackFest IIT ISM Dhanbad - HackFest is IIT(ISM) Dhanbad's 36-hour annual hackathon organized by the Computer Science and Engineering Society (CSES), IIT(ISM) Dhanbad. the recent edition saw collaborations from Major industrial partners namely - Certopus, Coding Ninjas, Pixaflip, HackerPulse, Unstop, Om Logistics

Alumni Network

- Vishal Mirza - Director of Software Engineering at Mastercard
- Gagan Verma - Senior Vice President of Technology at Paytm
- Rajiv Jha - Engineering Director @ American Express Director and Leader
- Sandeep Das - Director Data Science at UnitedHealth Group
- Anup Rout - Director Cloud Engineering at Fidelity Investments
- Ayush Agrawal - Associate Director Engineering at Zepto
- Nishant Mittal - Senior Director of Engineering at SentinelOne

& many more...

CodeISM

The Coding club of IIT(ISM) Dhanbad CodeISM is a student body which teaches, prepares students for Internships and placement seasons. Their mentorship in DSA and Competitive Programming has provided entire community of IIT ISM Dhanbad an edge and leverage in field of coding.

Cyberlabs

The official software development club of IIT ISM Dhanbad

Foreign University and industrial Collaborations

