

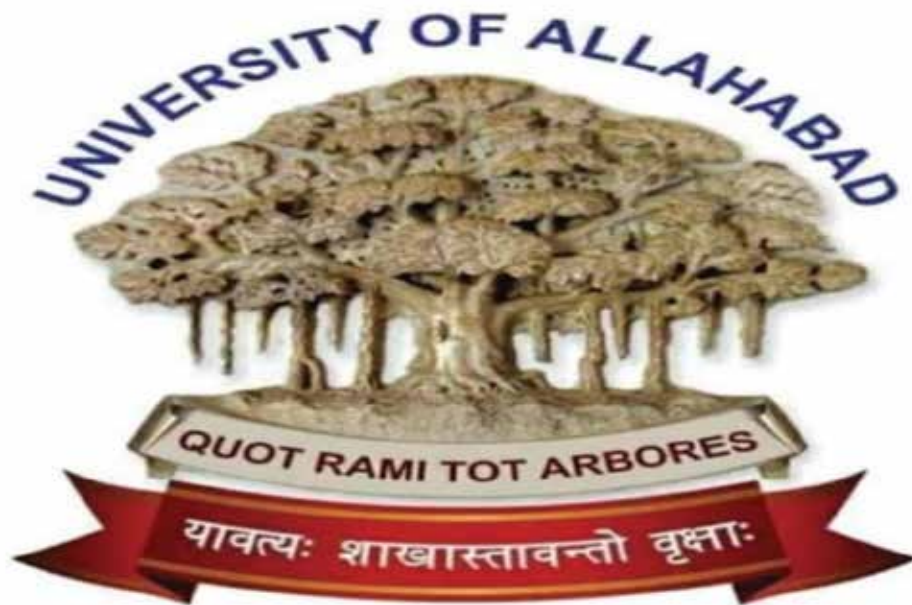


60+ Years of Excellence

JK Institute of Applied Physics and Technology

Department of Electronics and Communication
University of Allahabad





PLACEMENT BROCHURE

Training and Placement Cell
JK Institute of Applied Physics and Technology
Department of Electronics and Communication
University of Allahabad
PRAYAGRAJ

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ABOUT UNIVERSITY OF ALLAHABAD

Established on 23rd September 1887, it is the fourth oldest University of India after Calcutta, Bombay and Madras University. Its origins lie in the Muir Central College, named after Lt. Governor of North-Western Provinces, Sir William Muir in 1876, who suggested the idea of a Central University at Allahabad, which later evolved to the present university. At one point, it was known as the "Oxford of the East". University of Allahabad has always occupied an esteemed place among the Universities of India for over a century. As a premier institution of higher learning the University of Allahabad is committed to academic excellence. With its Motto 'Quot Rami Tot Arbores' ('as many Branches so many Trees'), the university is making rapid strides to meet the challenges of higher education in modern times. The university is also accredited by the National Assessment and Accreditation Council. In this millennium year, the University of Allahabad completes more than a hundred and thirteen years



ABOUT THE INSTITUTE

The Department of Electronics and Communication, J.K. Institute of Applied Physics and Technology is located in the campus of Science faculty of University of Allahabad. The foundation stone of the institute was led by Pt. Jawahar Lal Nehru on 14 April, 1949 with JK Charitable trust contributing for the construction of the entire building. The institute was inaugurated on 1956. It became a pioneer department in INDIA for teaching and research in Electronic and Communication & Computer Science under S.N. Ghosh leadership (first head). P.G. courses in the institution were started on 1986.

Mission

Mission of JKIAPT is to be a global center of excellence in information and software technology education training and research.

Courses Offered

B.Tech. (Computer Science and Engineering)
B.Tech. (Electronics and Communication Engineering)
M.Tech. (Computer Science and Engineering)
M. Tech (Electronics and Communication Engineering)
B.Sc. (Computer Science)
M.Sc. (Computer Science)
Ph. D. in relevant field

Admission

Intake in B. Tech (4 Years) is based on securing positions in all India level IIT-JEE mains and advanced followed by JOSAA and CSAB counselling only.
Intake in other courses through GATE/CUET/PGAT conducted by NTA



WELCOME MESSAGE

by HOD



Prof. Tanveer J. Siddiqui
Head of Department
JKIAPT

Dear Recruiters,

Welcome to the Department of Electronics and Communication, better known, J. K. Institute of Applied Physics and Technology at the University of Allahabad. J. K. Institute of Applied Physics and Technology stands as one of the most prestigious education center of our country. It is a Department of Electronics and Communication, located in the Muir College Campus (Science Faculty) of the University of Allahabad-which is one of the four oldest universities in India.

Foundation stone of the J.K. Institute was laid by Late Pt. Jawaharlal Nehru on January 14, 1949, and it was formally inaugurated by him on April 4, 1956. It was named as J.K. Institute as J.K. charitable Trust contributed for the construction of the complete building structure. It is a pioneer Department in the country for teaching and research in the discipline of Electronics and Communication. The people who initially associated in growing up of the department were Prof. Krishnaji and the first head of the Department and well-known figure Prof. S. N. Ghosh –followed by Prof. M.S. Bisht, Prof K.D. Dikshit, and Prof V. Malviya and their colleagues.

The Department conducts courses in the fields of Computer Science and Electronics & Communication. These courses have been designed to meet the current challenging demands of the nation. The Computer Science discipline was started in the year 1986 through the DRDO project on the 'Manpower development in the area of Computer Science'. The Department offers B. Tech (Electronics and Communication Engineering), B. Tech (Computer Science and Engineering), and B. Sc. (Computer Science), M.Sc. (Computer Science), M. Tech. (Electronic Engineering), M. Tech. (Computer Technology) and D. Phil program. In a span of nearly 60 years, the alumni of the Department have made a significant contribution in their fields in India and abroad. The alumni of the Department may be found holding academic positions in various countries of the world.

Many alumni are associated with computer and communication establishments such as Philips, Alcatel, IBM, TCS, HAL, ITI, DoT, Railways, Tech Mahindra, Bell Telephone, ST Microelectronics, IAP, MT

Prof. Tanveer J. Siddiqui
Head of Department
JKIAPT

TRAINING AND PLACEMENT OFFICER'S MESSAGE



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Assistant Training & Placement Officer
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Phone: +91 9470311972

Dear Recruiters,

Since around sixty years of inception, the institute has been striving to confront the challenges and opportunities of present globalization scenario. The institute's vision has been to nurture the students into intellectually capable, innovative professionals who shall contribute to the growth of technology, in partnership with the industry. Our relationship with the industry must be accredited to our alumni who have made indelible marks in the field of electronics, communications and computer science. The faith and trust that the industry bestows upon us is testified by the laurels earned by the alumni. The institute offers campus placements for students graduating with B. Tech (E.C.E and C.S.E), M. Tech. (E.C.E), M. Tech. (C.S.E) and Master of Science (Computer Science). I must thank the companies that have instilled implicit faith in our students during and beyond the recruitment process. Also, we extend a special invitation to the new recruiters who are yet to catch a glimpse of our students for coming placements 2023-24.

ESTEEMED FACULTY MEMBERS



"Wherever you find something extraordinary, you'll find the fingerprints of a great teacher." All of our professors possess high levels of wisdom and proficiency in their domains. Their assurances of making us understand everything have given us a lot to look forward to in our lives.

Professors

Prof. Tanveer J. Siddiqui (HOD)

Information Processing, Computational Linguistics

Prof. J. A. Ansari

Microstrip Antenna, RF and Microwave Devices

Prof. N. K. Shukla Registrar

(Officiating Registrar Office)

Optical Communication and Networking, Optical Imaging and sensing, Optical Processing

Prof. R. K. Srivastava

Ad Hoc Networks, WSN, Computer Networks, Photoconductivity in II-IV Compounds

Prof. R. S. Yadav

Middle Atmosphere & MST Radar, Microstrip antenna

Prof. Ashish Khare

Image and Video Processing, Computer Vision, Medical Imaging Applications of Wavelet Transform, Human Action Recognition & Behaviour Understanding Cyber-Physical Systems

Associate Professors

Dr. Rajeev Srivastava

Computer Architecture, CORDIC Architecture & Algorithms

Dr. Tarun Kumar Gupta

Low Power VLSI, VLSI design

Assistant Professors

Dr. Sudhakar Singh

Big Data Analytics

Dr. Mahendra Tiwari

Data Mining & Soft Computing

Dr. Richa Mishra

Image Processing, Artificial Intelligence

Dr. Vandana Rathore

Image Processing and Cryptography

Dr. Vinod Kumar

Cryptography, Information Security, Design and Analysis of Algorithms, Computer Graphics

Dr. Sudhanshu Kumar Jha

Parallel Algorithm design, Routing in WSN and Adhoc network, IoT

Dr. Pravin Kumar

Sentiment Analysis

Dr. Pooja

Evolutionary Algorithm, Optimization

Dr. Shiv Prakash

Algorithms & Artificial Intelligence

Dr. Rajesh Kumar

Computer Vision and Image Processing

ESTEEMED FACULTY MEMBERS



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"Teachers in college play a crucial role in shaping students' minds, fostering a love for learning, and preparing them for the challenges of the future."

Assistant Professors

Dr. Ajay Kumar

Computer Vision for Agriculture Monitoring

Dr. Ashish Kumar Singh

Radar System Design, Radar Signal Processing

Dr. Lucky Agarwal

Semiconductor based junction devices

Dr. Neha Agarwal

Signal Processing, Nonlinear Dynamics

Dr. Nilesh Anand Srivastava

Low Power VLSI Design

Dr. Nimish Kumar Srivastava

Integrated Photonics, Optoelectronics Devices

Dr. Prabhat Chandra Shrivastava

Digital filters, Architecture Design of DSP

Dr. Preeti Kmari

Microwave dielectric resonator antenna

Dr. Pooja Rani

Signal Processing, Nonlinear system

Dr. Shashibhushan Sharma

Cryptography, Information Security, Design and Analysis of Algorithms, Computer Graphics

ALUMNI PRESENCE IN THE WORLD

We have always felt a great sense of pride in the alumni of our institute and their remarkable achievements. March is the time to walk down the memory lane with the complete family of J.K. in the annual alumni meet of the department where hundreds of alumni revisit their home. It is an occasion to cherish the days that they spent here and express their gratitude towards the priceless moments that they spent at the department.

In a span of nearly 60 years, the alumni of the department have made a significant mark in their fields both India and abroad. The alumni of the department may be found holding Professor's post in U.S.A and Europe or associated with computer and communication establishments such as Philips, Alcatel, IBM, TCS, HAL, ITI, DoT, Railways of India, Tech Mahindra Bell Telephone, ST Microelectronics, IAP, MTNL, IIT, CEERI, ISRO and various DRDO labs. Some of them are entrepreneurs and are having their establishments in Singapore, US, Japan and U.K.

Notable Alumni of the Institute

Ajai Kumar Singh
Intel corporation, California, USA

N. Panigrahi
Scientist G, DRDO

Vivek Tiwari
DGM, Raliance Jio, Patna

K.K. Bhutani
Former Professor & Director
UPTEC, Allahabad

Rakesh Chopra
CEO, Icon Resources Ltd

Siddhant Raman
3G Firmware Engineer,
Intel Corporation

Ratnakar Awasthi
Scientist G, DRDO, New Delhi

Rajeev Tripathi
Professor & Director, MNNIT Allh.

M.M. Agnihotri
GMTD, BSNL, Allahabad

Alok Singh
Professor, Computer Science,
Hyderabad University.

S.C. Mishra
former member Telecom
Commission

Sudhanshu Pant
CEO Mobilitas

Sibal Pal
Scientist G, DRDO

Rajneesh Agarwal
Director, STPI, Noida

Gyanendra Kumar
CEO, InfoTrust Singapore Pte. Ltd.

M.M. Gore
Professor, MNNIT Allahabad

Shikha Gupta
Director (OU) BEL

Sharnagat Srivastava
AAI, Allahabad



PROGRAMMES OFFERED

Bachelor of Technology (B.Tech.) in Computer Science & Engineering (CSE) + Electronics and Communication Engineering (ECE)

The Bachelor of Technology programme is offered in Electronics & Communication and Computer Science Engineering. The eight semester programme aims at a strong grounding in the respective fields of engineering with strong emphasis on core fundamentals and practical exposure. The curriculum also includes a project which aims at inculcating a sense of original research and gives exposure to cutting edge research being undertaken at the institute. The number of intake is 45 in each branch, ECE and CSE

Curriculum

Core Subjects

CSE

Discrete Mathematical Structure
Theory of Computation
Software Engineering
Database Systems
Data Structure
Design & Analysis of Algorithms
System Programming
Compiler Design
Operation System
Computer Graphics
Object Oriented Methodology
Operational Research
Artificial Intelligence
Multimedia Technology
Computer Control of Process
Simulation and Modelling
Data Comm. & Computer Networks
Distributed Computing
Image Processing
Mobile Computing
Fault Tolerant Computing
Embedded Systems
Advanced Computer Architecture

ECE

Engineering Materials
Electrical Technology
Network Analysis & Synthesis
Semiconductor Device Physics
E.M. Wave Theory
Control Systems
Embedded Systems
Instrumentation & Measurements
Analog Circuits
Antenna & Wave Propagation
Power Electronics
Microelectronics
Fiber Optic Communications
Microwave Technology
Fiber Optic Communications
Information Theory & Coding
Microwave Technology
Digital Communication
VLSI Design
Mobile Communication
Radar Engineering
TV and Video Systems
Satellite Communication

Master of Technology in CSE & ECE

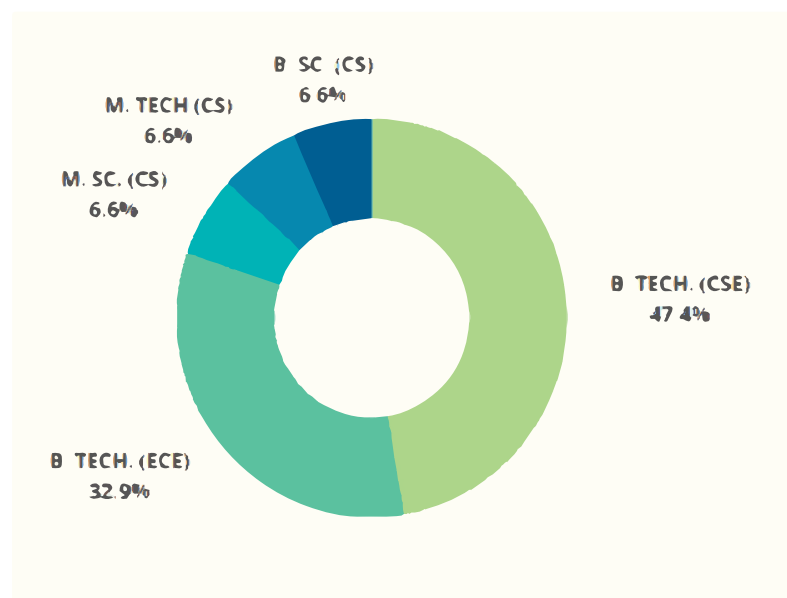
The program admits graduate students in various specializations in the field of Electronics & Communications. The program strikes a balance between coursework and research. The students are admitted based on their GATE scores. The number of intakes is 15 in each branch of Electronics Engineering and Communication Technology. Admission to M. Tech. Programs (ECE & CSE) are done through the score of GATE Examination. The eligibility criteria and other relevant details are available on the notice board of the Department

Bachelor of Science (Computer Science)

B.Sc. (Computer Science) is one of the subjects which is taught in the department. The other subjects are taught in the respective departments. One combination is Physics, Mathematics and Computer Science in which the intake is of 100 students in a batch. The other combination is Mathematics, Psychology and Computer Science. Another set of students are admitted in the vocational course of Computer Maintenance.

Master of Science (Computer Science)

M. Sc. (Computer Science) is a two-year (four semester) programme ropes in the very best of the computer science graduates and nurtures them to provide for excellence in their respective field. The intake is of 45 students.



Distribution of Students Across Courses

FACILITIES & RESOURCES



Library

With over 10,000 books and journals, University library is one of the biggest in entire region.



Auditorium

With the seating capacity of about 200 peoples, a number of technical and non-technical events are hosted in the auditorium round the year.



Computer Lab

Computer Lab is well equipped with 100+ high-end computer systems connected through high speed internet



Electronics Lab

Department has 8+ different lab devoted to the study of the various subjects of ECE



Ground

Both football ground and cricket ground are used to host our SWAT CUP, Techno Cup & Avirbhav



GD room

GD Room is well-equipped to provide apt environment students to conduct GDs.

STUDENT'S ACHIEVEMENTS



“Education is the passport to the future, for tomorrow belongs to those who prepare for it today.”

Within a limited time-frame of the course, our students go through a phase of limitless exploration which makes them stand out as an achiever not only in academics, but also in their professional life.

Our students have been selected in various student oriented programs like the Google Summer of Code, Microsoft Engage, etc. They are working in DRDO Labs, Infosys, and other organisations such as Indiamart , Morgan Stanley, Microsoft.

Aditya Siddheswar's proposal was accepted by Processing Foundation in GSoC 2020

GATE RESULT

Many students qualified for GATE , These are some outstanding results :

Rishabh Singh	AIR 17
Ayush Singh	AIR 160
Trayambak Tiwari	AIR 230
Karam Preet Singh	AIR 271

Achievements in Student Programs

Hare Krishna Rai got selected in Azure Developer Community, CNCF Prayagraj & currently serving as AZ Lead in the community.

Kritika Joshi got selected in Google Women Engineer'22 and in GDSC Lead 2023

International level Certifications

8+ students from JKIAPT have got certifications in Azure (AZ-900, DP-900, AZ-204, AZ-104 etc), AWS, RHEL (RHCSA, RHCE) and still counting.



Placement Stats

Abhishek Chaurasia	Fi
Abhishek Shukla	Mindzconnected
Adarsh Saxena	Simplify
Aman Binjola	SparkCognition
Aman Singh	Legitt
Atul Kumar	ComPro Technologies
Devanand Yadav	Legitt
Shakya Sachin Kumar	Futures First
Hare Krishna Rai	High Radius
Kaushal Kishore	HCL
Kumar Manglam	HCL
Nipun Jain	Keev
Anurag Ojha	Auth Bridga
Raju Kumar Rathawa	Alembic Pharma
Vikaram Prasad Gupta	Auth Bridge

Publications & Research Papers

High quality research papers in reputed International Journals and Conferences. More than 200 publications across SCI and Scopus journal.

PAST RECRUITERS

The JKIAPT has achieved an excellent placement record with the bars rising effectively over the past few years. JKIAPT students have always shown incredible performances by getting placed at most finest organizations in India which majorly includes HCL, DRDO, TCS, EXL etc. This year also our students have shown their talents by grabbing internships at different organizations such as DRDO , Airport Authority of India, Indiamart , HCL etc.

Center of generating manpower in Computer Science (software).

- DRDO



IndiaMart



HCL



EXL



TCS



DRDO



AAI



BSNL



AIRCOM



C-DOT



FISERV



IBM



INFOGAIN



ISRO



LIFERAY



MOTOROLA



RELIANCE



TechMahindra



Yahoo India

CULTURE OF LEARNING & CLUBS

ENTWICKLERSX

Entwicklersx is a tech-oriented club of JKIAPT focused to train & teach budding minds on the field of **DevOps, Cloud Computing, Cyber Security, Machine Learning & Artificial Intelligence**. Currently, 150+ budding minds are making efforts in the club. Till now, EntwicklX organised 20+ workshops & seminars in the last academic session (including both online & offline events).

ECode

The E-Code Club provides guidance and mentorship to students who are new to the world of programming. An umbrella club under the EntwicklX; this club focuses on providing the 'Lego Blocks' to excel in the field of competitive programming and development. The club aims to create a community of programmers and developers, who can guide and support one another to achieve great heights in hard-core programming.

JK Robotix

JK Robotix is aimed towards the collaborative learning in the field of robotics and related stuff. From the events conducted by this club is drawn the confluence of computer science and engineering. It includes activities such as balloon fights, robot races, and line following. The robots are created and assembled right away. In on-field competition rounds, the participants programme and operate the robots remotely.



MANASVIN

Manasvin is a Hindi word meaning “full of mind and intellect”. This club is home to all the cultural and literary activities, from dance to debate and group discussions. It provides a platform to students to exhibit their talents multidimensionally. From artists to instrumentalists, this is the one-stop point for everyone to hone and showcase their hidden talents.

Manasvin aims to teach the students to balance their academics along with their hobbies and also to find an individual within themselves.



Azure Developer
Community

Azure Developer Community - Prayagraj Chapter

The Azure Developer Community is aimed towards upskilling those who are interested in learning new technologies and enhancing their skill. The Community conducts Workshops, Seminars and quizzes based on the advancing technology, both in-campus and virtually, thus creating a community of active learners and enthusiastic young professionals.

CNCF Prayagraj - Prayagraj Chapter

The Cloud Native Computing Foundation, a sub-foundation under the Linux Foundation, launched the CNCF Prayagraj Chapter, in collaboration with CNCF Durg and CNCF Navi Mumbai, to promote the adoption of cloud native technologies. The launch event was addressed virtually by Bill Mulligan [Marketing Manager, CNCF].

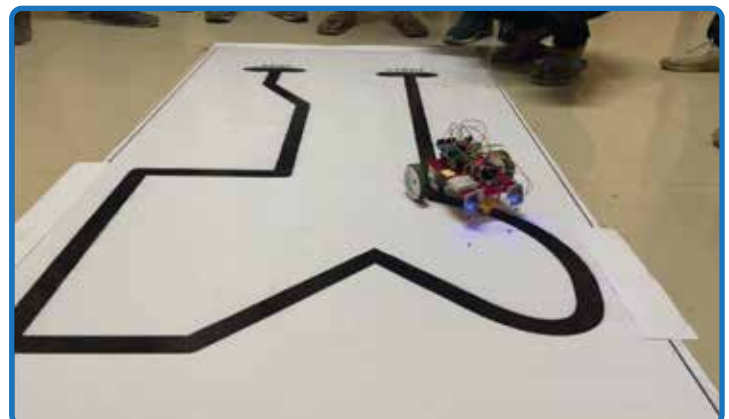
The events conducted by the community include Hacktober-Fest Guidance seminar and other open-source contributions.



CLOUD NATIVE
COMPUTING FOUNDATION



Coding competition (E-Code Club sponsored event)



Black Walker (during robo competition)

The Fiesta & The STUDENTS

SWAT CUP

“All work and no make Jack a dull boy”. The gravity of this statement can be seen in the Soccer Tournament of the JK Institute of Applied Physics and Technology, where the students of all batches actively participate in the 3-day event in September-October. The vigorous practice sessions and challenging matches infuse zeal and passion, making the students physically fit and dynamic for various challenges ahead.



EXUBERANCE

Freshmen's welcome ceremony is organised by second-year students every year. In exploring the hidden talents of each new student joining JKIAPT, exuberance leaves no stone unturned. The fest marks the onset of bonding between seniors & their fresher counterparts. Besides getting well acquainted with the campus environment, they also receive necessary junior-senior interactions. All participants put their hearts & souls into winning the coveted trophies.

SMASH 'n' FLICK

Also at JKIAPT, annual smash and flick event is held in which indoor sports such as batminton, which is played amongst all the batches which contains men's single, women's single, men's double, women's double, mixed doubles.



TECHNO CUP

The eternal love for the sport of cricket among both students and staff can be sensed in the Techno Cup organized in the month of February. Teams of Students and Staffs from J.K. as well as from neighbouring colleges likes MNNIT, IERT, Sambhunath and UNITED play matches and perform marvellously.

AVIRBHAV - Flagship Annual Fest of JKIAPT

Avirbhav: Fiesta for Renaissance - the college's annual fest - is known for its brilliantly organised nature. During the fest, holistic development is fostered, team spirit is promoted, the mind is detoxified and the spirit is liberated. Five days of sports, academics and formal and informal events conclude in an exciting cultural evening as the event is inaugurated with a cause-oriented marathon. Student organisers organise the festival themselves, with many organisations sponsoring it. In order to break free from the monotonous life of a student, Avirbhav presents a platform every year.

ALGAAV

"Farewell! God knows when we shall meet again".

- William Shakespeare

A nostalgic moment for everyone as we say goodbye to our final-year students. Our celebration of this moment lasts all day. As the event comes to an end, the best wishes go out to all students who are about to make their mark on the world.



Robo Race and Robo war



6 KM Marathon



Coding & CTF Competition



Last Day - Stage Competition

PLACEMENT HEAD

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Student Placement Team

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Rituraj Dubey

Abhinandan Ojha

Bhavya Singh

Parth Verma

Abhay Pandey

Gaurang Gupta

Harsh Yadav

Shikhar Gupta

Kritika Joshi



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