



# Motilal Nehru National Institute of Technology Allahabad

Institute Information Brochure 2019-20





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# Our Vision

To establish a unique identity for the institute amongst the National and International academic research Organizations through Knowledge creation, acquisition and dissemination for the benefit of Society and Humanity.

To generate high quality human and knowledge resources in our core areas of competence and in emerging areas to make valuable contribution in technology for social and economic development of the nation and to make organized efforts for identification, monitoring and control of objective attributes of quality for continuous enhancements of academic processes, infrastructure and ambience.

# Our Mission



# Director's Message



Motilal Nehru National Institute of Technology Allahabad has established itself as one of the most premier Institutes of India. Our alumni have made their marks in various fields and their achievements stand as a testimony to our endeavour and their hard work. Established in 1961, MNNIT is an Institute of National Importance (INI) where students are equipped with necessary skills that create successful technologists with group leaders who can steer the world in the direction of growth and development. The confidence posed by the industries for our institute is indicated by the fact that 100% students are placed and are serving various leading global industries.

I, on behalf of MNNIT, invite your company to visit our institute for campus recruitment and other purposeful academic activities of mutual interest.

Motilal Nehru National Institute of Technology, Allahabad carries a legacy of 50 years as one of the premier institutes of India. The technology is changing the world & it becomes a challenging task to cater to the needs of the industry, but I am proud to say that MNNIT has faced the challenge successfully. This is possible due to outstanding efforts of the faculty and of the bright students who are selected after a stringent process. Our alumni have achieved tremendous success in all spheres and this bears an eloquent testimony to our efforts.

I take pride in cordially inviting you to participate in our endeavour and look forward to welcoming you for the recruitment program.



# Prof. In Charge's Message

## INSTITUTE'S TIMELINE

1961	MNREC was founded by our first Prime Minister Pt. Jawaharlal Nehru on the banks of the river Ganga.
1963	Bachelor degree courses in Civil, Mechanical and Electrical Engineering were introduced.
1965	The main building of the institute was inaugurated by our second Prime Minister Shri Lal Bahadur Shastri.
1966	First Masters degree course — M.Tech. was added in the Mechanical Department.
1970	Post Graduate courses were introduced by starting M.Tech. degree in all engineering departments.
1971	Institute introduced Ph.D. programmes in all departments.
1973	The institute introduced M.Tech. and Ph.D. programmes in all departments under OIP schemes.
1976	MNREC became the first institute in the country to introduce an undergraduate course in Computer Science and Engineering.
1982	Undergraduate programmes in Electronics and Communication Engineering and Production and Industrial Engineering were started.
1996	The institute entered the field of management education by starting the School of Management Studies.
2000	B.Tech. in Information Technology was introduced as a new course.
2002	The institute was awarded Deemed University status by the Ministry of Human Resources & Development & was renamed as Motilal Nehru National Institute of Technology.
2006	The institute introduced B.Tech in Biotechnology in Applied Mechanics Department and M.Tech. in Geographical Information Systems (GIS) in Civil Engineering department.
2007	The institute added M.Tech. courses in Product Design and M.Tech in Engineering Department, Fluid Mechanics (FM) in Applied Mechanics Department, Information Security (IS) in Computer Science and Engineering Department.
2007	Institute was awarded the status of Institute of National Importance (INI).
2009	The new academics building was inaugurated.
2012	The Mega Hostel for housing 1800 students was inaugurated by the director.
2013	The then President of India, Shri Pranab Mukherji was the ex-officio visitor of the institute for the ninth convocation of the institute. The Cultural extravaganza was introduced.
2015	MNNIT Allahabad, CMDR signs MoU with AIIMS (Delhi) to promote inter-disciplinary research.
2016	MNNIT Allahabad signs MoU for Industry Academia collaboration with PepsiCo and Honda MotorCycles and Scooters India Pvt. Ltd. (HMSI).
2017	President of India Shri Ram Nath Kovind, Governor of Uttar Pradesh Shri Ram Naik, Chief Minister of Uttar Pradesh Shri Yogi Adityanath graced the fourteenth convocation of the institute. MNNIT signed MoU for Industry-Academia collaboration with Amdocs.



# Academics

## Teaching Methodology

Great emphasis during the classes is laid on core fundamentals and concepts. The examinations are designed to reflect the understanding of the fundamentals in practical fields.

## Industrial Exposure

Students are exposed to latest industrial practices through several industrial visits during their course. Students are also encouraged to undergo industrial training during their summer vacations.

## Teaching Assistantship

Meritorious Post-graduates students are offered teaching assistantship which involves assisting instructors in practically everything related to the course.

## Institute Industry Interaction Cell

The III-CELL promotes faculty members to visit industries to get technology information from the horse's mouth and also recognize industrial problems which can be handled by the institute workforce.

## Departmental and Institute Electives

In order to boost interest in other facilities of technology, the students can take up electives and/or audit courses from department other than their core area of specialization.

## Research and Development

It is mandatory for all B.Tech, M.Tech and Ph.D students to take up projects under the supervision of the faculty. These comprise the basic development of application oriented research projects.



# Academics Programmes

## Under-Graduate Courses (B.Tech)

The admission to various undergraduate programmes are held through JEE MAINS conducted by CBSE and DASA (Direct Admission of Students Abroad). A few admissions are offered under the cultural fellowship exchange programs of the Govt. of India, Administered by the Indian Council of Cultural Relations (ICCR), New Delhi.

1. Biotechnology
2. Chemical Engineering
3. Civil Engineering
4. Computer Science and Engineering
5. Electrical Engineering
6. Electronics and Communication Engineering
7. Information Technology
8. Mechanical Engineering
9. Production and Industrial Engineering

The admissions are done on the basis of the Common Admission Test (CAT) scores, followed by personal interviews and group discussions of shortlisted students at MNNIT. The institute offers a two-year full time MBA programme, with specializations in the following disciplines:

1. Finance
2. Human Resources
3. Marketing
4. International Business
5. System Management

## Master in Business Administration (MBA)

# Academics Programmes

## Ph.D.

All the academic departments actively participate in Ph.D. programmes.

The M.Tech. programmes are offered by all the engineering departments. The admission to these courses are on the basis of GATE (Graduate Aptitude Test in Engineering) scores.

- Design
- Fluid Engineering
- Information Security
- GIS and Remote Sensing
- Biomedical Engineering
- Control and Instrumentation
- Transportation Engineering
- Microelectronics and VLSI Design
- Computer Aided Design and Manufacturing
- Digital Systems
- Power Systems
- Software Engineering
- Chemical Engineering
- Environmental Engineering
- Production Engineering
- Material Science and Engineering
- Power Electronics and ASIC Design
- Applied Mechanics
- Biotechnology
- Communication Systems
- Structural Engineering
- Geotechnical Engineering
- Thermal Engineering
- Computer Science and Engineering
- Product Design and Development

## Post-Graduate Courses (M.Tech)

## Master in Computer Application (MCA)

This programme is offered by the Department of Computer Science and Engineering. The admission to this programme is based on NIT MCA Common Entrance Test (NIMCET) conducted by NITs.

## M.Sc. In Mathematics & Scientific Computing

This course is offered by the Department of Mathematics. Admission to this course is done on the basis of a written test conducted by the institute.



## WHO MADE US PROUD



***Sanjiv Chaturvedi***

Indian Forest Service  
Conservator of Forest(Research),  
Haldwani  
Ramon Magsaysay Award 2015



***B.C. Tripathi***

C&MD, GAIL(India) Limited  
Chairman, GAILGas and  
Brahmaputra Crackers and 1  
Polymers Ltd.



***Atul Sobti***

C&MD, BHEL



***Deep Joshi***

Co-Founder, PRADAN NGO  
Ramon Magsaysay Award 2009  
Padma Shri Awardee



***Arvind Saxena***

Ex-President & MD, General  
Motors, India



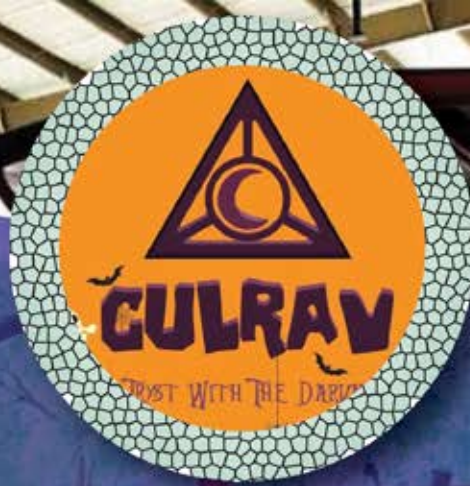
***Nelabhotla Vekateswarlu***

CEO, Vyome Biosciences &  
Ex-CEO, Emami House





Avishkar encompasses an entire gamut of events that test the technical skills and thought process of aspiring engineers from all engineering branches with problems that can check technical as well as intellect knowledge. Events like 'online programming', 'Robotics', 'Hardware and Software Designing', 'Paper Presentations'. Provide perfect stage for young minds to display their talents. It witnesses participation from eminent colleges like IITs, NITs and other engineering colleges with companies like DELL L&T, On-Mobile, TCS and many more extending their support by sponsoring events.



The candance of life touches the right note when it blossoms with all colours. Brushing all shades of human emotion and artistic flair plays an important role in all round development and Culrav provides opportunity to all the students for realization of this very purpose.

The event is culmination of sound and lights of music and art, dances and drama, of thoughts of words, the perfect place to bring artist in everyone and break rut of everyday life.



Renaissance an entrepreneurship summit under design innovation and incubation centre (DIIC). envisages to support innovative ideas of an individual in areas related to development of new products and goods for the benefit of mankind and/or novel approaches addressing social issues for inclusive development of the society. It aims to develop inclusive innovation- that creates an impact on quality of the life through talks, discussions and workshops.

# STUDENT ACTIVITIES





AN INTERNATIONAL CONFERENCE ON INNOVATION AND TRANSLATIONAL  
DIVISIONS: FOOD, HEALTH AND ENVIRONMENTAL BIOTECHNOLOGY  
MARCH 9-11, 2018

Hack 36 is the first edition of hackathon at MNNIT Allahabad under the aegis of Computer Science and Engineering Department.

It brings together budding hackers coders and developers for a feast of thirty six continuous hours.

The participants will code solution to the real life problems. Hack 36 witnessed hundreds of programmers, developers and hackers from colleges all round India who come together to innovate and invent ; forging creations at the forefront of technology.

The athletics meet and josh are the two annual sports event which keeps the ball rolling for students throughout the calender.

The students will participate with zeal and inculcate the virtues of a true sportsman. The Students are also encouraged to participate in events like inter NIT sports meet.

Sports are thoroughly promoted with the aim that leaders of tomorrow- need to be good sports man today.

Biosangam is an international conference organised by the Department of Bio-Technology Motilal Nehru National Institute of Technology(MNNIT) Allahabad in aim to promote excellence in scientific knowledge and innovation in biotechnology related disciplines to motivate young researchers. It also aim at providing- deep insights into innovations, challenges and growth opportunities in diversified domains of Bio Technology.

# STUDENT ACTIVITIES



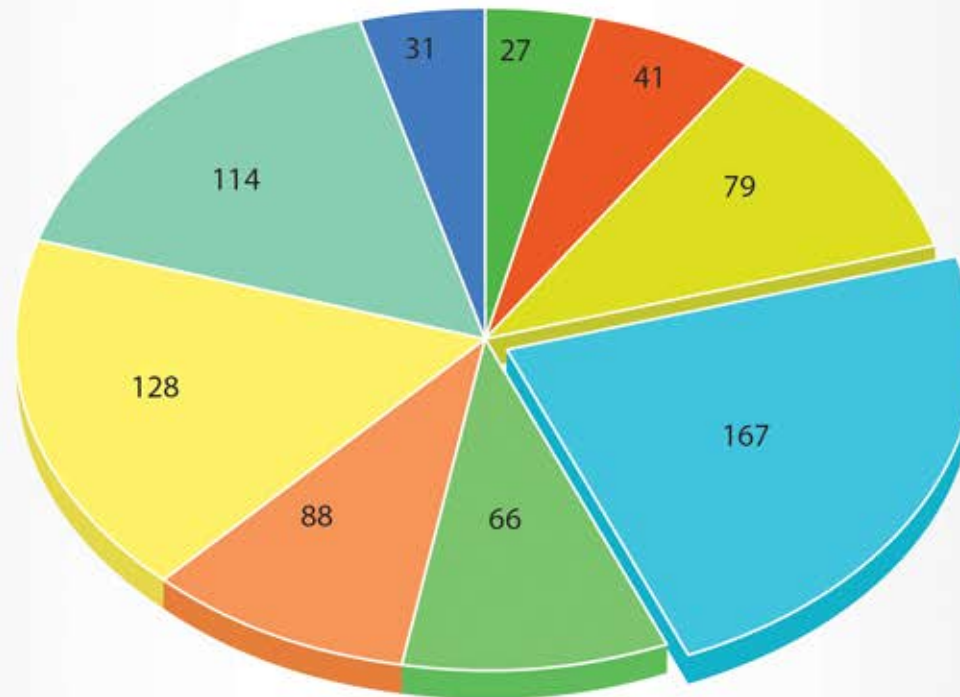


**STUDENT ACTIVITIES**



# DEMOGRAPHICS

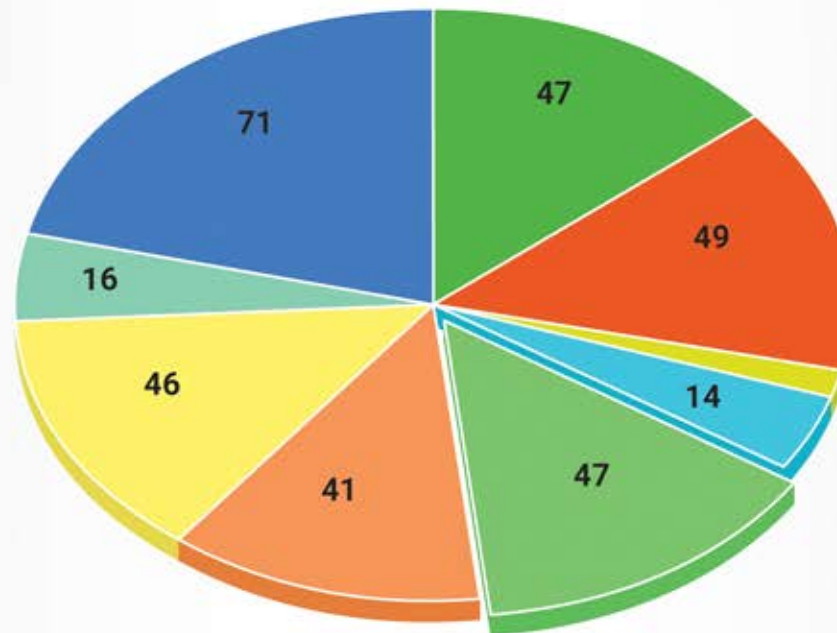
Eligible Students 2018-19 (B.Tech)



- |                              |                                 |                               |
|------------------------------|---------------------------------|-------------------------------|
| ■ Biotechnology              | ■ Chemical Engineering          | ■ Civil Engineering           |
| ■ Computer Science and Engg. | ■ Electrical Engineering        | ■ Electronics and Comm. Engg. |
| ■ Mechanical Engineering     | ■ Production & Industrial Engg. | ■ Information Technology      |

# DEMOGRAPHICS

Eligible Students 2018-19 (M.Tech)

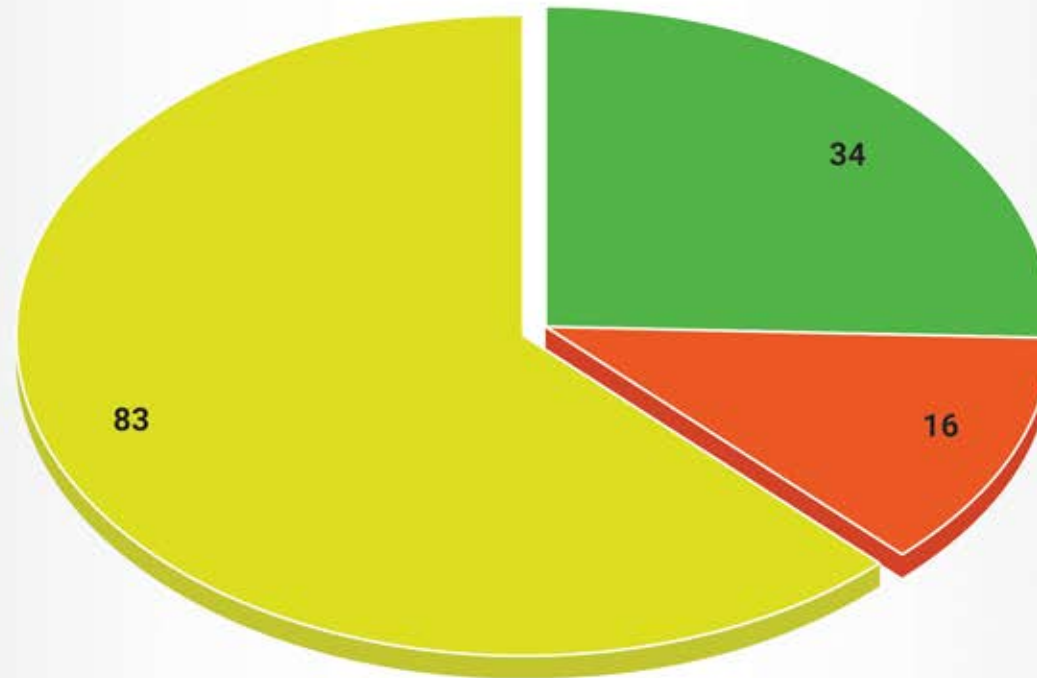


■ CSE ■ AM ■ BT ■ CHE ■ CE ■ EE ■ ECE ■ GIS ■ ME



# DEMOGRAPHICS

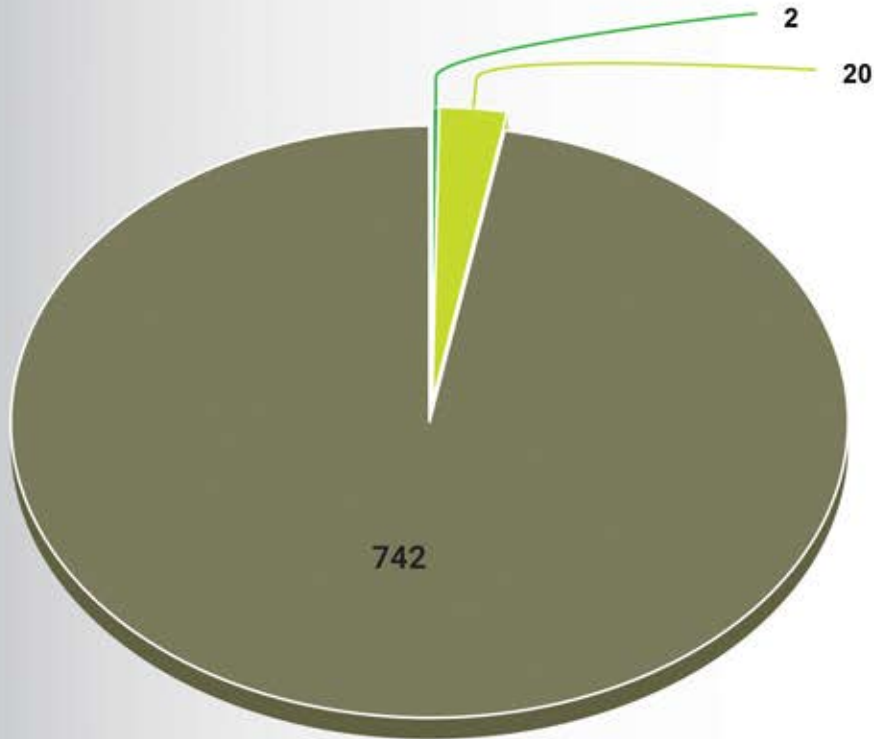
Eligible Students 2018-19 (Other Courses)



■ MBA ■ MSC ■ MCA

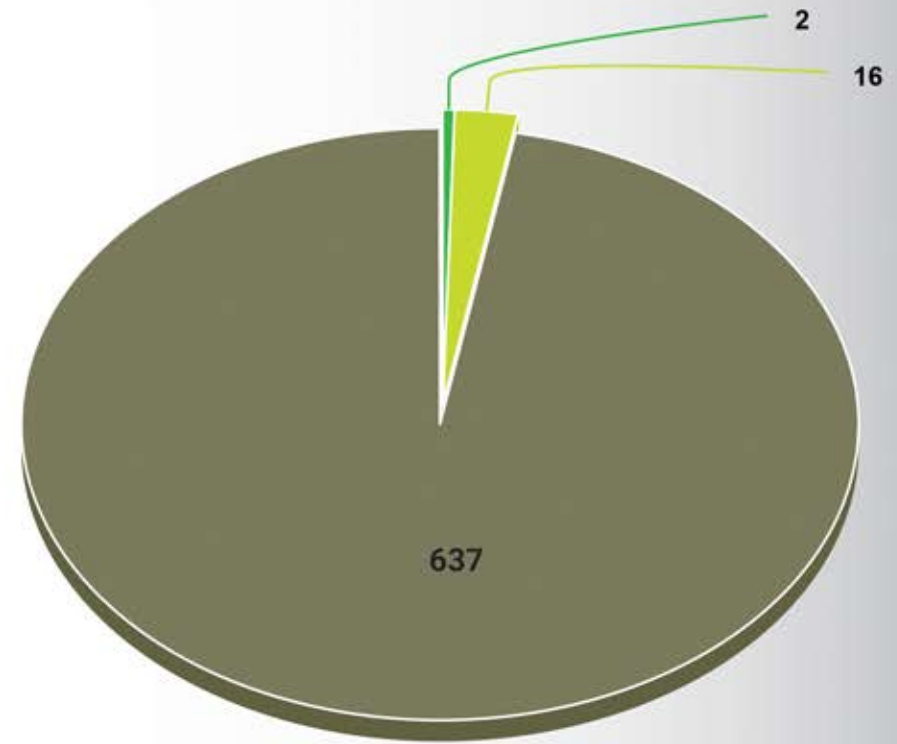
# DEMOGRAPHICS

## JOBS OFFERED 2018-19 (B.Tech)



■ 3 JOBS ■ 2 JOBS ■ 1 JOB

**INSTITUTE**



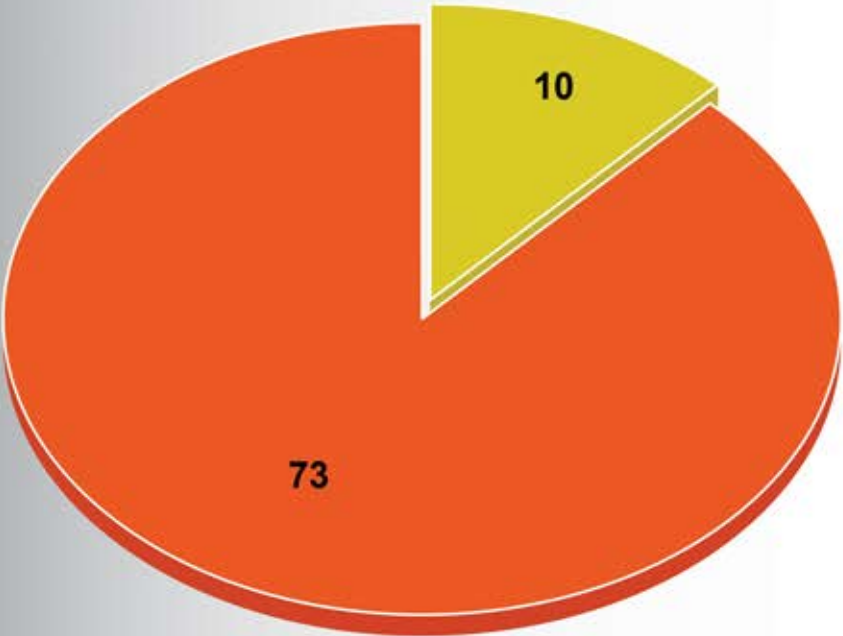
■ 3 JOBS ■ 2 JOBS ■ 1 JOB

**B.Tech**



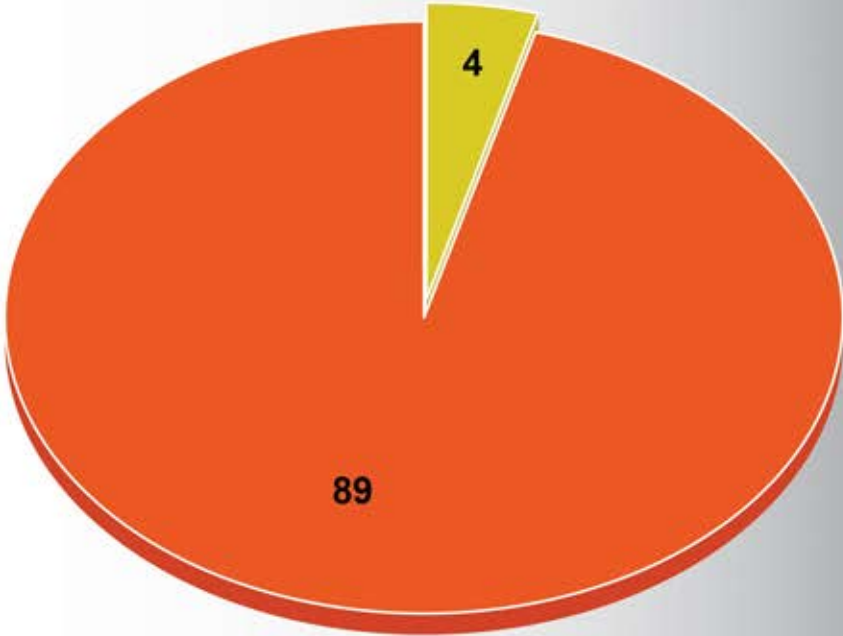
# DEMOGRAPHICS

JOBS OFFERED 2018-19 (Others)



2 JOBS 1 JOB

M.Tech



2 JOBS 1 JOB

Others

# PAST RECRUITERS

## A

Aakash Educational Services Ltd  
ABB  
Accenture  
Accolite  
Adobe  
ADP  
Agnity  
Airtel  
AKS Software Ltd  
Amadeus Software Labs Pvt. Ltd  
Amazon  
AMDOCS  
Agnity  
AMW  
American Express  
Analytic Quotient  
Ansys  
Aricent  
Ashok Leyland  
Atkins Global  
Atmiya Institute  
Axis Bank

## B

BBD  
BEL

Bhutan Nationality  
Bajaj Auto  
Bank of Baroda  
BHEL  
Belzabar Software  
Berger Paints  
Bharat Institute Of Technology  
BORL  
BPCL  
Brahmos  
Bristle Cone  
Britannia Industries

## C

Canon  
Capgemini  
CA Technologies  
Capital Via  
CCCL  
CCIL  
CDOT  
Ciena  
Cisco  
Citrix  
Comviva  
Coal India  
Crompton Greaves  
CSC  
CTS

Cypress

## D

Dev Factory  
Dell  
Deolite  
DIT  
Direct I  
Dolcera  
DRDO  
Drishti Soft  
Dronacharya Group  
DS Construction

## E

E-bay  
Eaton  
E-Value Serve  
Eicher Motors  
EIL  
Embedded Infotech  
Emerson Network Power  
Energy Infratech  
Era  
Ericsson India Global Services  
Erudite  
Esco Coupling & Transmission Lines  
Essar Steels

## F

Flaberry  
Fibcom  
Fiserv Global  
Flipkart  
Freescale  
Future first

## G

GAIL  
Gammon India Ltd  
Gati Infrastructures  
GE  
General Electric  
General Motors  
GEP  
Gieper  
GlobalLogic  
Global Edge  
Goldam Sachs  
Google  
Group Soft  
GSK  
Gwynniebee India Pvt Ltd



# PAST RECRUITERS

## H

Hashedin  
HAL  
Havells  
HCC  
Hero Honda  
Hero Moto Corp  
HCL Infosystems  
HCL Tech.  
Hindalco  
HLS Asia  
HNGIL  
HondaCAR  
Honda Motors and Scooters India Limited  
Honda Power  
HPCL  
HSCC  
Huawei technologies  
Hughes Systique  
HUL  
Hyderabad Industries Limited  
Hyundai

## I

IBM Software Labs  
ICFAI University  
IDBI Bank

Idea cellular  
Ideal 21st Century  
IFTM University  
IGL  
Impetus Group  
Indian Navy  
Indogulf Fertilizers  
Infosys  
InnovAccer Management Pvt Ltd  
Integral University  
IOCL  
ISRI  
ITC Infotech  
ITD Cem  
IVY Comptech

## J

Jindal steels  
John Deere  
JSPL  
JSPI  
Jublient  
Jaro India  
JECRC University  
JSW

## K

Kazstroy  
KK Birla Group (Simon)  
KSFL  
Kronos

## L

L&T (IES,ECC,Infotech,Hydrocarbon )  
L.Tech  
Lanco  
LG Electronics  
LohiyaStarlinger  
LSR  
Lenskart  
Libsys Ltd  
LIC  
LPGCL

## M

M-Tree  
MAQ Software  
Make My Trip  
Mangalyatan University  
Maruti Udyog  
Matrix Fertilizer  
Mc Afee  
Microsoft  
Mid-Mac

Mu-Sigma  
Mysis  
Mahindra Comviva  
Mediatek  
Mitsubishi Electric India Pvt. Ltd  
Morgan Stanley  
Motorola

## N

National Instruments  
Nestle  
Newgen Software  
Netapp  
Newgen  
Niksun  
Nomura  
Novell  
NTPC  
Nagarro  
NEC Technologies  
Nokia Siemens  
Nucleus Software

## O

OnMobile  
Oracle  
Orient Fans  
OSS Cube

# PAST RECRUITERS

## P

Patni  
Pepsico  
PGCIL  
POWERGRID  
Pradan  
PSIT  
Pyramid  
Pandit Deendayal Petroleum University  
Parul Group Of Institutes  
Polyplex Corporation  
Poornima Group Of Education

## Q

Qualcomm

## R

R.K Infra  
Rancore  
Reliance Energy Limited  
Reliance Power  
Raheja  
Reckitt Benckiser  
Resonance  
Rites

Royal Bank Of Scotland

## S

Saint Gobain  
Samsung Engineering  
Samsung India  
Samsung Heavy Industries  
Samsung R&D (Bangalore, Delhi)  
Samsung SEL  
Samsung SISC  
Samtel  
Sapient  
Saroj Institute  
Sasken  
Schlumberger  
Schneider Electricals  
SGI  
Simplex  
Solid Core  
Sony  
SPML  
SPCL  
SRF  
Srijan  
STMicroelectronics  
Streamnet  
Subros  
Syntel  
S & P Capital IQ

Syntel  
S & P Capital IQ  
SAB Miller  
Saint Gobain  
SAP Labs  
Shri Ramswaroop Memorial (SRM Univ)  
Shri Shankaracharya Engg College  
Skymet Weather Services Pvt. Ltd  
Snapdeal/Jasper Infotech  
Sprinklr  
Srijan

## T

Tata Autocomp  
Tata Motors  
Tata Power  
Tata Steel  
Tata Telecom  
TCIL  
TCS  
Tech Mahindra  
Tech Vulcan  
Tejas Networks  
Telcon  
Texas Instruments  
Thorogood  
ThoughtWorks  
Tata Chemicals Limited  
Teerthankar University  
Trident

Tavant

## U

Union Bnak  
Unitech

## V

Vedanta  
Verizon  
Viraj Steel  
Vizag Steel  
Vmware  
Venera Technologies Pvt.Ltd.

## W

WalmartLabs  
Wells Fargo  
Welspun  
Wipro Technologies

## Y

Yahoo India Ltd.

## Z

ZS Associates  
Zecross Media Pvt Ltd



# CONNECTIVITY

New Prayagraj Airport inaugurated by PM Modi which is well connected with all the major cities.

INDIGO 6E-2037 (DEL)

AIR INDIA AI-9603 (DEL)

INDIGO 6E-5998 (BLR)



Being the headquarters of the North Central Railway Zone, the city is well connected by trains with all the major cities namely Mumbai, Delhi, Chennai, Hyderabad, Kolkata, Indore, Lucknow, Bengaluru.

Allahabad city, on National Highway 2 and 27, is connected to all parts of the country by good roads and easily available transport. The important neighboring cities to Allahabad are

- Varanasi – 124 Kms
- Lucknow – 198 Kms
- Kanpur – 193 Kms



# ACHIVEMENTS

Ranked 1<sup>st</sup> among Engineering colleges of super excellence in CSR-GHRDC engineering colleges survey 2014

MNNIT bags Outstanding Engineering institute (north) award.

Best Engineering institute in North ranked first by ET now Economic times survey.

MNNIT bags national B- school award by ABP news initiative

Ranked 1<sup>st</sup> among Northern NITs by Ministry of Human Resource and Development (NIRF) in 2016

Ranked second among all NIT's in placements by NIRF Ranking 2019 according to past three years placements records

IEEE outstanding branch counselor award to MNNIT Students branch

Ranked 3<sup>rd</sup> among Engineering colleges of super excellence in CSR-GHRDC engineering colleges survey 2011



# CONTACT US



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