



Faculty of Engineering and Technology

PLACEMENT BROCHURE

2022-2023



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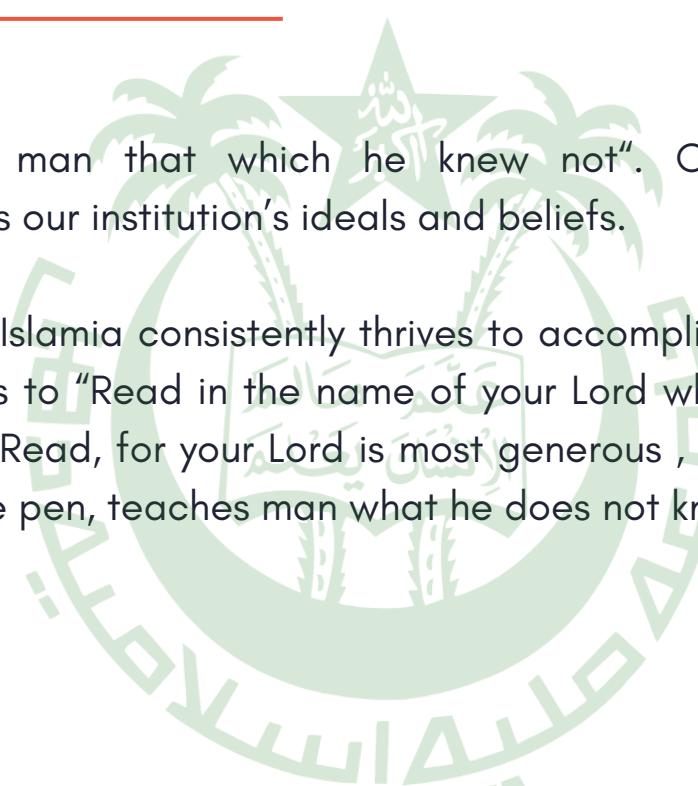


OUR MOTTO

Allammal Insaana Maalam Yalam

"He taught man that which he knew not". Our motto truly encapsulates our institution's ideals and beliefs.

Jamia Millia Islamia consistently thrives to accomplish this Vedanta which means to "Read in the name of your Lord who created man from a clot. Read, for your Lord is most generous , who teaches by means of the pen, teaches man what he does not know."



JAMIA MILLIA ISLAMIA

A CENTRAL UNIVERSITY

Jamia Millia Islamia originated as the movement of a struggle for education and cultural renaissance against the colonial regime and evolved a national culture for common Indian. Its foundation is to promote patriotism and national integration among Indians, who will be proud to take part in the future progress of India, which will play its part in the comity of nations for peace and development and to prepare the children of masses in general and Muslims in particular to be the masters of the future in different subjects/disciplines of their choice.

Today, Jamia Millia Islamia is an "**A++**" grade Central University accredited by NAAC and is an ensemble of a multi-layered educational system which covers all aspects of schooling, undergraduate and postgraduate education. We are in the process of 2nd cycle assessment of NAAC.

The university recognizes that teaching and research are complementary activities that can advance its long-term interest. It has Natural Sciences, Social Sciences, Engineering & Technology, Education, Humanities & Languages, Architecture & Ekistics, Fine Arts, Law and Dentistry Faculties. Also, it has a well-known AJK Mass Communication Research Centre. Jamia has over thirty research centres that have given it an edge in terms of critical research in various areas. Some of these are Centre for Peace and Conflict Resolution; Academy of International Studies; Centre for Culture, Media and Governance; Centre for Dalit and Minorities Studies; Centre for Nano sciences and Nanotechnology; FTK Centre for Information Technology; Centre for Management Studies; Dr. K.R. Narayanan Centre for Dalit & Minority Studies; Centre for West Asian Studies; Centre for Physiotherapy & Rehabilitation Sciences; Centre for Theoretical Physics, Centre for Interdisciplinary Research in Basic Sciences and Multidisciplinary Centre for Advanced Research and Studies.

The objectives of the University shall be to disseminate and advance knowledge by providing instructional, research and extension facilities in such branches of learning as it may deem fit and the University shall endeavor to provide to students and teachers the necessary atmosphere and facilities for the promotion of :-

- Innovations in education leading to restructuring of courses, new methods of teaching and learning, and integral development of personality;
- Studies in various disciplines;
- Interdisciplinary studies;
- National integration, secularism and international understanding



GLOBAL RANKINGS

1 Rank

AMONGST
1st Top **Central Universities** in the country

3rd Among
all Universities in India
(MHRD-NIRF 2022)

26th Among Engineering
Colleges in India
(MHRD-NIRF 2022)



THE UNIVERSITY
IMPACT
RANKINGS
INAUGURAL PARTICIPANT

601 –
800th
World University
Rankings 2022

=180th
Asia University
Rankings 2021

The QS World University Rankings of 2022 ranked
Jamia Millia Islamia



186

in Asia

**message
from**

VICE CHANCELLOR

Jamia Millia Islamia has become an ensemble of a multilayered educational system which covers all aspects from schooling to under-graduate, post-graduate, Ph.D. and post-doctoral education. Jamia today holds the torch of illumination giving shape to ideas and fostering innovation. Living up to the promises of the founding fathers, we strive to realize our vision "to create a human universe that offers inclusiveness, equity, fellowship, justice and peace for one and all". Jamia Millia Islamia in its 100th year has been ranked as one of the best Indian Central University by the Ministry of Education in the category of Central Universities. Jamia is placed at 3rd in the Universities category ranking of NIRF-2022.

The university was established to impart knowledge for human beings to develop a human society with wisdom. However, by the era of ICT/Internet, the role of universities has diversified substantially. Now Universities have to fulfil their commitment in the fast-changing environment of this era of the present millennium. Therefore, Placement record and Placement prospects became all the more important parameters for the success of Universities and their Departments, which need to strengthen dynamically.

I feel proud of the Faculty of Engineering and Technology that it has been conscious and sensitive in these matters. It has not only restructured its courses thoroughly to incorporate the latest and the best, but also appointed a Placement Committee led by a Professor ranked faculty member in each of its Departments to improve placement prospects for the current and the forthcoming batches. I am also happy to get acquainted with the dynamic leadership. The university level placement team, led by Prof Rahela Farooqui and Prof Sabah Khan, is also striving hard for the same goal. I have no hesitation to state that it will bring marvellous results for the benefits of our professional students in general and students of the Faculty of Engineering and Technology in particular. I invite all the concerned industries to help us in strengthening our campus placement efforts by selecting our students as professionals, thereby giving them opportunities to contribute positively towards their industrial goals and at the same time allow them to grow themselves as well. I wish them success in their future endeavours.



Prof. Najma Akhtar

*Vice Chancellor,
Jamia Millia Islamia*

message from | TPO

The technological revolution and the forces of globalisation have changed functionality of organisations in the recent years. We at Jamia Millia Islamia endeavour to enable our students to move forward confidently; to embrace change rather than follow, to innovate rather than remain stagnant and to initiate rather than respond and thereby to become competent managers and dynamic entrepreneurs in a rapidly changing economic and industrial environment.

We solicit your cooperation in our attempt to create a knowledge society that fortifies the intellectual, physical, mental and spiritual dimensions of individuals for holistic development.

You are cordially invited to our campus to interact with our new age professional managers and assess their skills to assist helping your organisation grow perpetually.



Prof. (Dr.) Rahela Farooqi

Hon. Director, University Placement Cell



Prof. (Dr.) Sabah Khan

Honorary Deputy Director

message from | DEAN

For the progress and growth of the economy and the nation as a whole, it is essential that the young saplings are properly nurtured, their thinking diversified, so that they can look at problems from different perspectives and emerge with independent and indigenous solutions. This is exactly our approach at the **Faculty of Engineering and Technology**. Regular and meticulous conduct of examinations, excellent infrastructure and above all, highly qualified, motivated and committed faculty members goes a long way in ensuring the all round development of the professionals emerging from this institute. The Jamia Millia Islamia has several on-going research projects, funded by various government and non-governmental organizations and it has established a firm base in development and consultancy activities. The academic curriculum and syllabus are regularly upgraded with the help of experts from industries and reputed universities so that our product is well versed with the advancements in the industry. No wonder that a large number of our students have found their rightful places in reputed firms and institutes of higher learning within our country and abroad. Our past record, with over 300 graduates every year, has proven that a very high percentage of students stay with the industry after graduation and achieve remarkably high levels of success. I am confident that a visit to our campus will be mutually beneficial and you can be rest assured that our product will be an asset to your organization.



Prof Ibraheem

Dean, Faculty of Engineering & Technology

Faculty of Engineering and Technology



The Faculty of Engineering and Technology was established in **1985** with the objective to provide outstanding engineering education directed at enriching the quality of life in an emerging knowledge-based society. The Faculty is home to over **2000 students** and over **200 academic**, administrative and technical staff. There are six departments in the Faculty - Civil, Mechanical, Electrical, Electronics & Communication, Computer Engineering, and Applied Sciences & Humanities. The Faculty of Engineering and Technology is equipped with more than **125** regular faculty members who care about the students and their success. More than **80%** of the faculty hold **Ph.D. degrees** from institutes of repute in India and abroad. Faculty members are actively involved in research and consultancy projects of national importance.

Faculty of Engineering and Technology

VISION

To become a leading engineering institute through knowledge creation, acquisition and dissemination for the benefit of society and industry for sustainable development.

MISSION

To develop a centre of excellence by imparting quality education to produce technically sound and research oriented professionals to face the emerging challenges of society and industry.

To enhance knowledge by innovative teaching, engaging in cutting edge research and developing linkages with industry.

To impart ethical, social and environmental values to produce competent engineers for the service of mankind.

To inculcate technological capabilities through continuous interaction with academia and industry in emerging areas for sustainable development.



ACADEMIC CURRICULUM

Undergraduate Programme

B tech (Bachelor of Technology)

Computer Engineering

Electronics & Communication Engg.

Electrical Engineering

Mechanical Engineering

Civil Engineering

70
students
per each
branch

B Sc (Bachelor of Science)

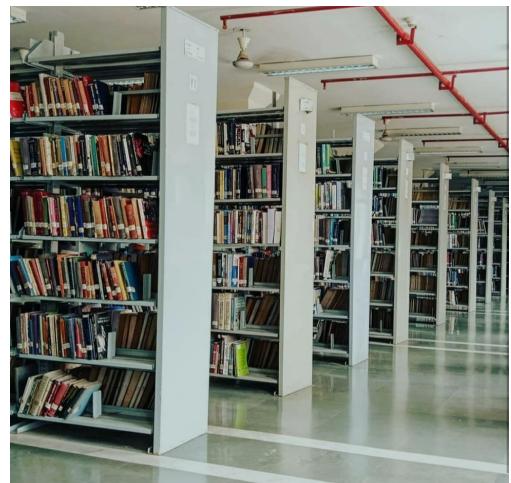
B.Sc. Aeronautics

Avionics

Mechanical

- All first year undergraduate students are required to compulsorily complete basic science and humanities courses. Such courses are:
 - Communication Skills
 - Human Resource Management
- Second year onwards, students specialize in their respective departmental studies. Students need to score a minimum number of credits to advance to the next year.
- The system provides students an opportunity to opt for subjects that are outside of their core education. CBCS encourages diversification among students.
- An interdisciplinary Aeronautics programme and the only one of its kind Focuses on imparting deep understanding of prime domains in Aeronautics : research, Interaction Design, Industrial Design, and Visual Comm. through courses and rigorous project works

- Recognising that students need first hand experience in their chosen careers, Faculty of Engineering and Technology has made Industrial Training compulsory for all courses.



Postgraduate Programme

M. Tech (Master of technology)

Computer Engineering (Full time)

Electronics & Communication Engg.

Electrical Power System & Management

Control & Instrumentation System

Mechanical Engineering

Environmental Science & Engineering

Earthquake Engineering

Computational mathematics

(Major in Data Science and Engineering)

Energy sciences

22 students
per each branch

$6 \times 3 = 18$ students

17 students

20 students
per each branch

- Post Graduate curriculum focuses on the specialisation in the department.
- Each department has different credit requirements .
- Recognising that students need first hand experience in their chosen careers, Faculty of Engineering and Technology has made Industrial Training compulsory for all courses.



M. Sc (Master of Science)

Electronics 35 students



Doctoral Programme

Ph.D (Doctor of Philosophy)

Applied Science & Humanities

Computer Engineering

Civil Engineering

Electrical Engineering

Electronics & Communication

Mechanical Engineering

- The scholars also interact frequently with the research institutes located in Delhi and access the facilities available there.



CURRICULUM

CORE

Structural Analysis and Design

Strength of Materials
Construction material & Management
Structural analysis by conventional & software method
Design of RCC and STEEL structures.
Bridge Engineering

Geotechnical Engineering

Engineering Geology, Soil Mechanics
Soil Investigation Techniques
Foundation Engineering
Transportation Engineering
Highway Engineering, Railway Engineering
Air Transportation Planning & Design
Dock & Harbour Engineering

Water Resources Engineering

Fluid Mechanics & Hydraulics
Engineering Hydrology & Flood Control System
Irrigation Engineering

Environmental Engineering

Water Supply Engineering
Waste Water Engineering
Air & Noise Pollution study
Solid waste Management

Geomatics Engineering

Principle and Practice of Surveying
Photogrammetry & Remote Sensing
Engineering Economy & Construction management
Estimation and Costing
Computer Application & software in Civil Engineering
Solid Waste Management
Urban Environmental utility design
ecosystem and watershed
Environmental impact assessment (EIA)
Theory of Vibrations, Finite Element method

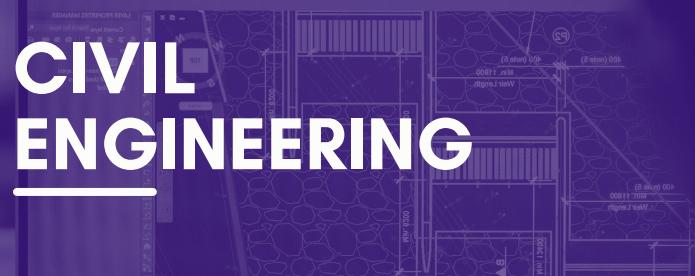
LABS

Structural Analysis Laboratory
Software Laboratory (AutoCAD & STAAD.Pro)
Transportation Engineering Laboratory
Surveying Laboratory
Geotechnical Engineering Laboratory
Hydraulic Laboratory
Environmental Engineering Laboratory
Geology Laboratory
Numerical Analysis lab Computer
RCC Design & Detailing Laboratory
Foundation Engineering lab
Civil Engineering Material Laboratory
Structures & Sesimology lab, Software Lab

ELECTIVES

Earthquake Resistant Design of Structures
Water Resource Engineering
Ground Water Engineering
Construction Project Management
Structural Dynamics Lab

CIVIL ENGINEERING



The Department of Civil Engineering is one of the oldest and the largest departments in the Faculty of Engineering & Technology. The department has produced several eminent engineers who have made important contributions in the planning and execution of many important Civil Engineering projects in India as well as abroad.

The research programmes of the department are funded by various agencies such as Ministry of Human Resource Development (**MHRD**), Department of Science & Technology (**DST**), Ministry of Environment & Forests (**MoEF**), Central Pollution Control Board (**CPCB**), All India Council of Technical Education (**AICTE**), University Grants Commission (UGC), Ministry of Steel and Ministry of Urban Development. Major area of research in the department include; Sustainable Development, Low cost sanitation, Green Concrete, Application of GIS & remote sensing in Flood Control and Environmental pollution, Seismic analysis of structures, Retrofitting, Soil structure interaction, etc.

Leading MNCs and PSUs are regular recruiter of our students and many have been selected in Central & State Engineering Services.

CURRICULUM

CORE

Machine Design

Machine Drawing
CAD and FEM, Mechanics of Solids

Mechatronics, Machine Design

Kinematics of Machines

Dynamics of Machines

Vibrations, Production & Industrial Engineering

Workshop Technology

Manufacturing Processes

Production & Industrial Engineering

Instrumentation, Measurement & Control
Operations Research
CAM & Computer Integrated Manufacturing

Thermal Engineering

Applied Thermodynamics
Fluid Mechanics, IC Engines
Automobile Engineering
Refrigeration & Air Conditioning, Turbo Machines

LABS

CAD Lab, Robotics & Automation Lab
Computer Integrated Manufacturing Lab
Strength of Materials Lab
Material Science Lab
Workshop
Thermodynamics Lab
Heat Transfer Lab
IC Engine Lab
Refrigeration and Air Conditioning Lab
Automobile Lab
Fluid Mechanics Lab
Solar Energy Lab
Machine Dynamics Lab
Vibrations Lab
Industrial Engineering Lab, Machine Dynamics
Electives (some)

ELECTIVES

Data Structures and algorithms
Database Management System
Computer Networks
Design and analysis of Algorithms
Multiphase Materials
Tribology
Product Design
Ergonomics
Numeric and Scientific Computing
Engineering System Design Optimization
Non-Conventional Energy Resources
Gas Dynamics
Simulation of Mechanical Systems
Artificial Intelligence and Robotics
Managing Innovation and Entrepreneurship
Global Strategy and Technology

MECHANICAL ENGINEERING



The Department of Mechanical Engineering is one of 6 departments of the Faculty of Engineering and Technology. It is one of the largest Departments in Jamia Millia Islamia. Its graduate and post graduate students are trained to become top-quality engineers, owing to the Department's internationally accepted programmes. The Department of Mechanical Engineering has a traditionally rich background in fundamental and applied engineering, which it has maintained as research areas that focus on increasingly deeper topics within subject disciplines. The Department have several state-of-the-art laboratories such as **CAD/CAM lab, CNC, Metrology, RAC, vibration and controls, heat transfer, robotics, etc.**

The department has active collaboration with academics and industry such as University of **Salford(UK), CII, IIT Delhi, NTPC, TERI, DTU, DST, DRDO**, currently department is undertaking two sponsored research projects, one from Department of Science and Technology for Rs 15.36lacs (on Technology Forecasting and Assessment) and another from Ministry of Environment and Forests partnered with TERI for Rs 68Lacs. The Department's commitment to quality education makes it one of the top research places in the world and one of the foremost providers of high-level intellectual capital.

CURRICULUM

CORE

Electrical Subjects

Transformers and induction machine
DC and synchronous Machine, Automation Systems
Switchgear and Protection
Applied Mathematics for Engineers
Transmission and Distribution Automation
Network analysis, Electrical power Generation
Communication System, Electrical Measurement
Optimization Techniques, Adaptive and Robust Control
Transducer Technology, Optimal Control Theory
Control Systems, Power Systems
Electrical and Electronics Instrumentation
Transducer Technology, Process Control
Power System Dynamics and Stability Transmission
Power Systems and Modelling, optimal techniques
Renewable and Sustainable Energy Systems
Intelligent Techniques, HVDC Transmissions

Electronics Subject

Analog and Digital Electronics
Microprocessors
Signals and Systems
Engineering Mathematics
Power Electronics

Computer and Programming Subjects

Programming Languages
Computer Architecture
Computer Networks

LABS

Transformers and Induction Machine
Network Analysis, Analog Electronics
DC and synchronous Machine
Digital Electronics, Switchgear and protection
Programming Languages
Power Electronics; Power System
power system automation lab
Communication System
Control System, Electrical Measurement
Microprocessors
Industrial Training, VLSI Design Lab
Smart Grid – SCADA Lab
Seminar, Major / Minor Projects

ELECTIVES

Data Structures and algorithms
Database Management System
Computer Networks, Advanced Power Electronics
Design and analysis of Algorithms
Modelling and Simulation, Embedded Systems
Power Quality and FACTS
Digital Power System Protection
Power System Planning and Reliability
Power System Analysis, Non Linear Control System
Advance Digital Signal Processing
Wireless Sensor Networks, Advanced Power Electronics
Biomedical Instrumentation, Multi Sensor Data Fusion
Smart sensors and Internet of Things

ELECTRICAL ENGINEERING

The Department of Electrical Engineering since its inception in 1985, has grown leaps and bounds and continuously striving for excellence. The Department of Electrical Engineering is respectfully recognized at national and international platforms through its accomplished alumni, research publications and representation of its dedicated faculty members as invited speakers, delegates, subject experts, reputed journal reviewers, members of expert committees etc.

The faculty members at Department of Electrical Engineering lead by examples and are highly motivated to achieve excellence in research and development and publish their research in internationally peer reviewed journals, patenting their research findings, and bringing generous research grants from Govt. research funding agencies like **AICTE, MHRD, MNRE, UGC, DRDO, DST, DOE** etc. Many faculty members have received prestigious national and international awards for their contributions.

To augment the teaching, learning and research, the department has very well established laboratories for graduate and post graduate programmes, where students can experiment and test the electrical engineering concepts.

CURRICULUM

CORE

Basic Electronics, Analog Electronics
Circuit Analysis & Synthesis
Principles of Measurement & Machines
Digital & Electronic Instrumentation,
Electromagnetic Field Theory,
Communication Systems
Control Systems, Logic Design
Transducers and Intelligent Instruments
Active Filters & Signal Processing
Computer Architecture
Digital Circuits & Systems
Data Structure & Computer Programming
Microprocessor, Signals and Systems
Digital Signal Processing
Antenna & Wave Propagation
Data Communication & Computer Networking
Advanced Analog Signal Processing,
Wireless Communication,
Digital Communication, VLSI Design
Embedded System Design, Digital Image Processing
Communication Networks,
Microwave Engineering
Optical Fiber Communication

ELECTIVE

Materials for Semiconductors
Simulation of Devices And Circuits
Neural Network And Fuzzy Logic
Digital Image Processing, Machine Learning
Information Theory And Coding,
Medical image Processing
Satellite Communications
Nano-electronic Devices & Materials For VLSI
Advanced VLSI Design
Advanced Communication Technique
Wireless Sensor Network, RF Circuits And Design
RADAR Systems Engineering
Inspection And Quality Control
Soft Computing Techniques And Applications
Advanced Communication Engineering
Advanced Wireless Communication
LOW Power VLSI Design RF And Microwave
Integrated Circuits, Antenna And Wave Propagation
Mathematics For Communication Engineers
Machine Learning in VLSI CAD, Mobile Computing
Cognitive Radio Nanostructure And Quantum Devices
Special Topics On Image Processing
Data Structures and algorithms
Database Management System, Computer Networks
Design and analysis of Algorithms, Data Mining

LABS

Analog Electronics Lab
Logic Design Lab, Circuit Simulation Lab
Instrumentation Lab
Communication Engineering Lab
Transducer Lab, AFSP Lab
Digital Circuits Lab, Microprocessor Lab
DSP Lab, AASP Lab
VLSI Design Lab, Image Proc. Lab
Microwave Engg. Lab

ELECTRONICS AND COMMUNICATION ENGINEERING

The **Department of Electronics and Communication Engineering** came into existence at the Faculty of Engineering and Technology in **1994**, by the approval of All India Council of Technical Education (AICTE), to meet the growing requirement of practical design engineers in the country and abroad.

Since its commencement, the primary objective of the department has been to impart quality education, training, and research at the undergraduate, postgraduate and doctoral levels in various areas of Electronics and Communication Engineering with broad emphasis on design aspects of Electronics and Communication systems to produce technologists of the highest caliber.

A strong positive reputation of the department pulls companies like **TCIL, HCL, TCS, Perot Systems** and many more for campus recruitment. Equipped with a powerful technical and practical skill set, our students get high ranking jobs and good start-up salaries in both public and private sectors. The qualities inculcated in students make them not only good engineers but also good human beings.

The department takes pride in its highly placed alumni all over the globe. Candidates from the department who are pursuing further studies are doing immensely well in both India and abroad. In India, our students are present in large numbers at IIMs, IITs and NITS and international presence can be seen in the USA, UK, Germany, Australia, to name a few.

CURRICULUM

CORE

- Computer Architecture
- Automata Theory
- Microprocessor
- OOP, Computer Networks
- Mathematics
- Computer Organisation
- System Software
- Operating System
- Database Management System
- Analysis & Design of Algorithm
- Software Engineering
- Compiler Design
- Embedded Systems, Internet Protocols
- Natural Language Processing & Information Extraction
- Natural Language Processing Lab
- Cryptography and Network Security
- Data Analytics
- Advanced Computer Networks
- Algorithm Design
- Advanced Database Management Systems
- Image Processing
- Deep Learning, Machine Learning
- Parallel Computing, Soft Computing
- Wireless Technologies for WSN & IoT
- Intelligent Systems
- Dissertation
- Main Project
- Minor Project
- Seminar

LABS

- Data Structures Lab
- Deep Learning Lab
- Linux Lab, WSN & IoT Lab
- Advanced Computing Lab.
- Machine Learning Lab
- Operating System Lab.
- Embedded Systems Lab
- Compiler Design Lab
- Database Mgmt System Lab
- ADBMS Lab
- Algorithm Design Lab
- Data Analytics Lab, OOP lab
- Microprocessor Lab
- Computer Network lab

ELECTIVE

- Network Security
- Soft Computing
- Data Mining
- Mobile Computing and IOT
- Artificial Intelligence
- Parallel & Distributed computing
- Digital Image Processing & Computer Vision
- Data Mining Lab

COMPUTER ENGINEERING



The Department of Computer Engineering was started in the year 2000. Its graduate and postgraduate students are trained to become top-quality engineers, owing to the Department's internationally accepted programs.

The Department of Computer Engineering has a traditionally rich background in fundamental and applied engineering, which it has maintained as research areas that focus on increasingly deeper topics within subject disciplines. This heritage provides the Department with the breadth to offer a sound undergraduate education. At the same time, the specialization of academic staff provides a stimulating environment for research.

A suitable number of academic staff enjoys international recognition and have received various prizes for excellent research work, and peer-reviewed articles, and have delivered contributions through invitations to conferences, and building systems to produce technologists of the highest caliber.

The faculty members have authored a number of books in the field of Computer Engineering and are actively involved in taking the department to greater heights. Apart from the curriculum, the department has actively organized lectures for its students on various technical as well as non-technical topics, which are delivered by professionals from the industry.

Department of Environmental Science

- Environmental Science is a systematic understanding about living organisms, non - living things and the inter-relationship among them.
- It integrates the knowledge of physical, chemical and biological sciences along with atmospheric sciences.
- In recent years, environmental science and management has emerged as an important discipline that can offer solutions to many environmental problems and also, opens up a variety of employment options. Jamia Millia Islamia has established the Department of Environmental Science in the year of 2020.
- In fact, there is a need for trained manpower at every level to deal with important issues like safe and clean drinking water, hygienic living condition, clean air, fertile land, healthy food and sustainable development.



University Polytechnic

- Engineering Unit
- Diploma Programmes
- Diploma Engineering
- Diploma Engineering

The present University Polytechnic was established on the initiative of Dr. K. L. Shrimali, then Rural development and Higher education minister. This department, namely 'Rural Institute' ran two courses (i). 'Rural services' and (ii). 'Civil and Rural Engineering' with an intake of 30 students. The classes were held in tents and sometimes even in open air. The first principal was Mr. M. Farhatullah.

Centre for Innovation and Entrepreneurship

Introduction

The Centre for Innovation and Entrepreneurship (CIE) was established in 2015 as per the direction of the Government of India to focus on innovation and skill-oriented education in Govt. funded universities.

The Vision of the centre is to develop a vibrant, sustainable ecosystem to promote innovation, nurture start-ups and incubation by integrating various professional domains for socially relevant ventures and to make a positive impact on society.

Aim

The Centre for Innovation and Entrepreneurship aims to:

- Create entrepreneurs
- Run Entrepreneurship Development Programs of short duration for school drop-outs and persons from under privileged backgrounds.
- To provide mentoring and guidance to students for starting their own business, based on training in Entrepreneurship Development Programs / innovative ideas.
- Create Innovative Start-ups
- Establish an Incubation Centre at the university
- Establish a Co-Working Space in the university
- Implement National Innovation and Start-up Policy in the university
- Implement Institution Innovation Council in the university
- Establish a Technology Business Incubator
- Convert JMI into a Hub of Cluster Innovation Centre of Ministry of Education
- Provide a platform for innovative ideas of students and to organize workshops/conferences/short term programs

A.J.K. Mass Communication Research Centre

Introduction

The AJK Mass Communication Research Centre is a premier media institution in India. Founded in 1982 by Anwar Jamal Kidwai (former VC of Jamia Millia Islamia and later, Chairman of the Centre), the MCRC offers graduate and post-graduate courses in the art, craft and technology of the modern media. The MCRC provides the highest standard of media education and training with a professionally and academically accomplished faculty and a broad spectrum of visiting professionals.

Programs and Courses Offered

Doctoral Programmes

- Ph.D.(Mass Communication)

Masters Programmes

- M.A.(Mass Communication)
- M.A.(Visual Effect and Animation) (Self-financed)
- M.A.(Convergent Journalism) (Self-financed)
- M.Sc.(Mathematics Education) under Meta University program
- M.A.(Development Communication) (Self-financed)

Postgraduate Diploma Programmes

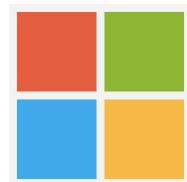
- PG Diploma in Acting (Self-financed)
- PG Diploma in Broadcast Technology (Self-financed)
- PG Diploma in Still Photography & Visual Communication (Self-financed)

ACHIEVEMENTS

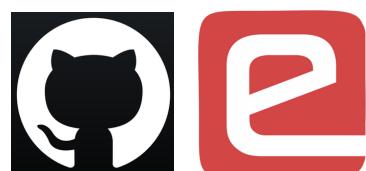


SIEMENS

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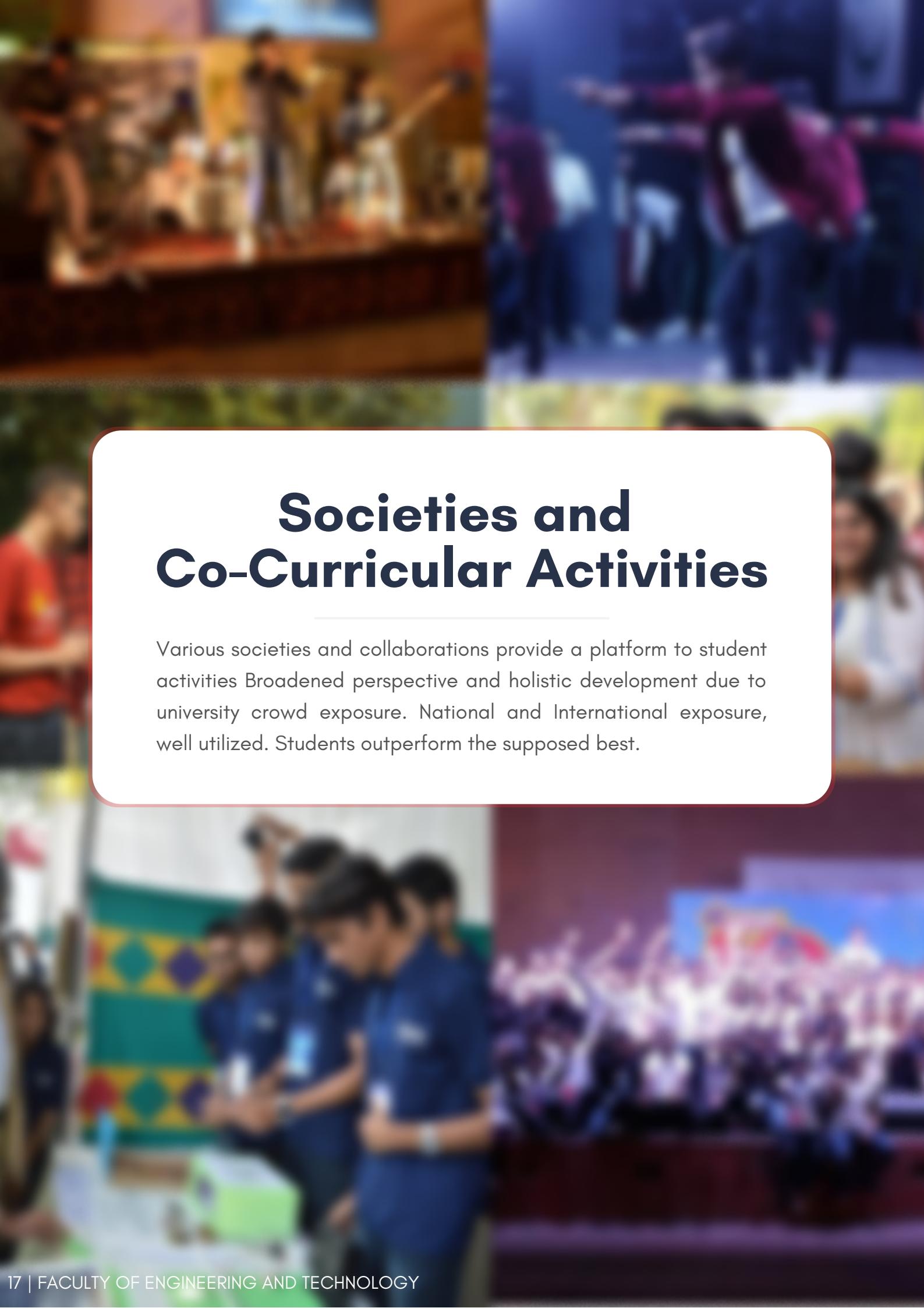


- Bagged SDE positions at prestigious firms such as **Trilogy** Innovations (formerly **Codenation**), SWE intern at **Microsoft**, **Cisco**, IOS intern at **CRED**, intern at **Morgan Stanley**, **Seimens** and Cyber Security Intern at **Coforge Ltd** based in Virginia, USA
- Among the top 5 National Finalists at **Hackercamp '22** by **Innovaccer**, powered by **Microsoft**.
- Among the Top 30 at HackRx 3.0 by **Bajaj Finserv**.
- Research Fellow at the Indian Academy of Sciences & IIT Ropar, IIT Delhi, DRDO, Bergische Universität Wuppertal, Germany. Software Engineering Intern at Ingersoll Rand.
- Selected for **GSoC 2021**, **Oppia** and **GSoC 2022**, **Score Labs and Jitsi**.
- Open source enthusiasts established open source culture by founding of **Google Developer Student Club JMI**, **GitHub Field Day Expert**.
- Qualified International competition of **Facebook Hackercup**, reached finals.
- Selected for **DAAD-WISE Scholarship 2022** : Scholarship for in-person Summer Research Internship in Germany.
- Multiple Students got selected for **Mitacs Globalink Research Internships**.
- Published their research paper on **LSB Stenography**, 'Decision - Making Approach for Smart Charging of Electric Vehicle' and **Homograph Language Identification using Machine Learning Techniques**, to be published in **Scopus Indexed Springer book**.
- Trainee in prestigious firms like **Morgan Stanely**, **JP Morgan**.
- Won in 180DC SRCC DU** and **Ernst Young CAFTA CASE Championship 2021**.
- Students interned at firms like **EY**, **Urban company**, **Accenture**.
- Numerous Students ranked below 1000 on multiple international platforms like **LeetCode**, **Codeforces**, highest rank achieved is **World Rank 4, 7 / AIR 1, 2**.
- Students from EE were **prefinalist** in **TVS National Finalist IT Challenge E.P.I.C. Season 3**.
- Multiple Students already cracked **Gate exam** in their **prefinals**.
- Organized an international programming contest **JustHash 1.0** on **codechef**, in **collaboration with IEEE**.
- Multiple interns at, **BHEL Bhopal**, **NTPC Badarpur**, **Indian Railway**.
- First position "**On-site construction workers' housing**" division in the challenge.
- Multiple teams reached till **prefinals** in **Eyantra organized by IIT Bombay** sponsored by **MHRD**.
- Ranked 16** and **17th**, position . Formula Bharat FSEV 2021 Competition,
- Winner** of **Safe-a-Thon**, case study challenge organized by VIT, Chennai 2021.
- Secured the rank #**10th** in the **National Go Kart Design Challenge 2021**.
- Team of seven students secured the position #**2nd** in the **SAE Aerodesign National Challenge in 2021**.
- Students from JMI assisted the **Kanpur Smart City Limited** in research, design and fieldwork related to solid waste management.
- Secured "**AIR-06**" and "**AIR-25**" in National Engineering Olympiad 5.0
- Won final round of **Toycathon 2021** national level competition conducted by 8 central ministries of **Govt. Of India**.
- Finalist **Solar Decathlon India**, 2022.
- Occupied **Top Three** positions in **SAE-AWIM**, NCR Region.
- Secured **AIR 16th** and **41st** rank in **Google Hashcode 22'** and **21'**.
- Multiple students grabbed **pre-placement offers** at **ZS** through **Campus Beats**.



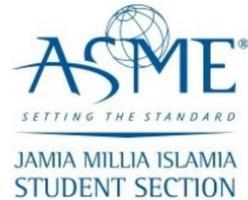
Societies and Co-Curricular Activities

Various societies and collaborations provide a platform to student activities Broadened perspective and holistic development due to university crowd exposure. National and International exposure, well utilized. Students outperform the supposed best.



The IEEE CS is the leading source of information, inspiration, and collaboration in computer science and engineering and is a technology-driven Society established to empower people to bring about changes in the community using technology as an effective tool. IEEE Computer Society is a growing community of professionals (principally in computing) and is connecting members worldwide.

The ASME group of JMI had organized a webinar to discuss on [Green Engineering: Engineering Investment for the Planet](#). The chief attendees of the program were IGP Haryana Police, Dr. Hanif Qureshi, Department of Mechanical Engineering, JMI Prof. MM Hasan, Co-Ordinator Prof. Sabah Khan.



We work towards educating students in new and upcoming technologies enhancing their skills through workshops and other Co-curricular activities aligned with students' interests. The society organizes time to time activities for dissemination of knowledge in the broader fields of Electrical and Electronics Engineering and exchanging ideas with the professionals in the corresponding fields.

"Civil engineers are global leaders building a better quality of life". With this vision, the American Society of Civil Engineers, the nation's oldest engineering society was founded in 1852; representing more than 150,000 members of the civil engineering profession in 177 countries.



The Jamia Millia Islamia chapter of GAEE was established in 2020 by the students of the 22' batch. Since its establishment, GAEE JMI has been striving to achieve the aims of GAEE in and outside Jamia Millia Islamia. GAEE JMI is currently being run by enthusiastic students of JMI belonging from diverse backgrounds and courses

SAEJMI is a collegiate club which focuses towards designing, simulating, analysing and manufacturing automobiles by its student members. It has also shown interests in developing technical skills of students by organizing various workshops/competitions on robotics, coding, etc. Our club is full of diverse topics and engaging conversations covering all aspects of education.



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Course Offered

- AutoCAD
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- ANSYS

For each course: INR 2.8K and INR 1.8K for only SAE members.

Contact: +91 9818523884 (Shehla), +91 8448102587 (Moazzam)

Scan QR code to register or visit www.saejmi.com

For More Details call: +91 9821852388 (Shehla), +91 8448102587 (Moazzam)

SESSION ON
UI **UX**

Vanshita Singh
UI/UX Designer
Guru Nanak Dev University, Amritsar
Previously at: Moazzam

Arvindra Prakash Singh
UI/UX Designer
Guru Nanak Dev University, Amritsar
Ex- Design Lead
Guru Nanak Dev University, Amritsar

7th November 2021 | 4 PM onwards
Live demo will also be given in the session.

GDG

HACK JMI 2.0
Online Hackathon

Team Size: 2-4
Date: 8th-15th Oct
Prize Pool: 5K

Registrations Open

DAAD WISE:
FULLY FUNDED GERMAN RESEARCH INTERNSHIP

ABOUT THE SPEAKER
Umar Masud
3rd Year Student at the DAAD-WISE Scholarships

SESSION WILL BE CONDUCTED ONLINE VIA ZOOM
07th May | 5PM



Founded in July 2020, as a chapter of the global 180 DC branch. The foremost goal of 180DC JMI is to provide free of cost consulting to these underprivileged organisations and resolving their day to day problems.

- 2000+ hrs of consulting services
- 15 projects across international and state boundaries
- Geographies impacted: India, Indonesia, Lebanon, Malaysia
- Area of impact: Education, Human rights, Healthcare, Environment Sustainability, Housing, Social Entrepreneurship

Enactus JMI has been keeping the spirit of change alive since its inception 27th September 2015. Enactus JMI has gained considerable achievements through its innovative and constructive projects in a short span of time. The motto of Enactus JMI is being 'Socially Diligent' in words and in actions. Over the years, Enactus JMI has vigorously strived towards the mission of creating entrepreneurship opportunities for the less fortunate. The idea behind is to light up the houses of many through the inner flame, existing within each individual.



Google Developer Student Clubs (GDSC) are community platforms for college and university students interested in Google Developer technologies. Google aims to provide student developers with the resources, opportunities, and experience necessary to be more industry-ready by bridging the gap between theory and practical application.

Just as the purpose of forming the Society has been to bring together Robotics researchers from all corners of the country, TRS tries to connect students and researchers by reporting research works being pursued there, and various other facts and events of interest to the Robotics community. TRS facilitate students to understand, design and learn robotics. Provide interested students with opportunities to express their skills, knowledge and creativity through conceptualizing, designing and programming robots.



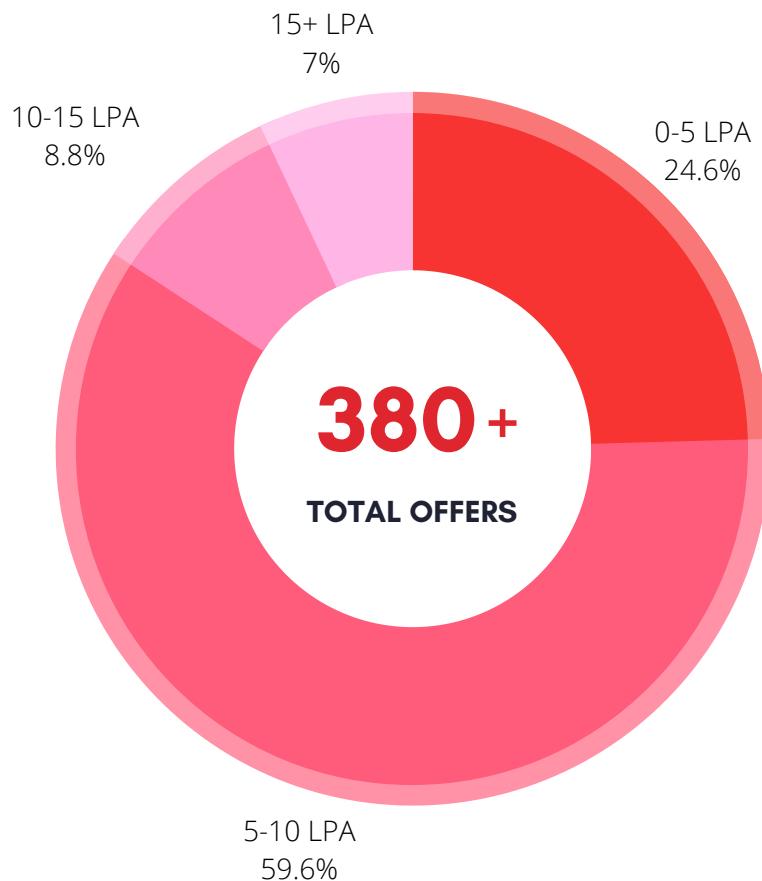
HASHes: JMI's premiere programming club, is an effort to bring together students interested in programming - irrespective of their course, and make learning resources available for all. There is no monetary fee for joining this programming club, only determination needed.

HASHes has divided the vast field of programming and development into three main Special Interest Groups(SIG) :

- Android/Web Dev
- Machine Learning/Deep Learning.
- DSA/Competitive Programming
- Startup Oriented.



CTC Statistical Record



HIGHEST CTC

25

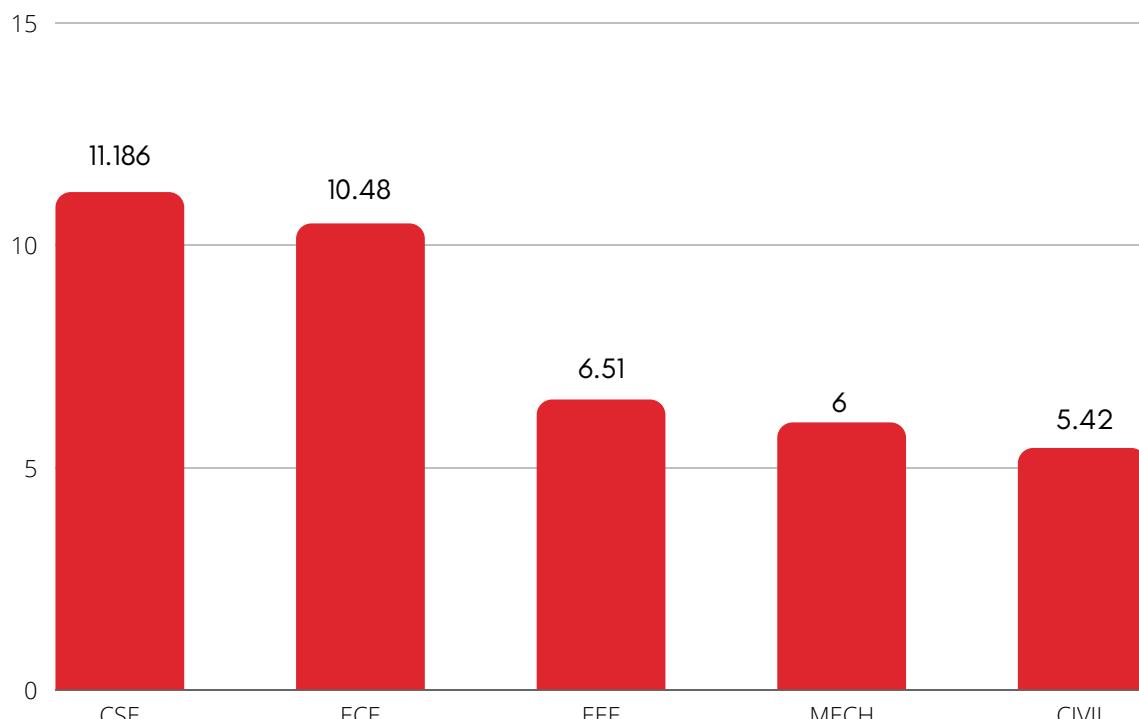
COMPANIES VISITED

70+

STUDENTS PLACED

250+

Avg CTC (Branch Wise)

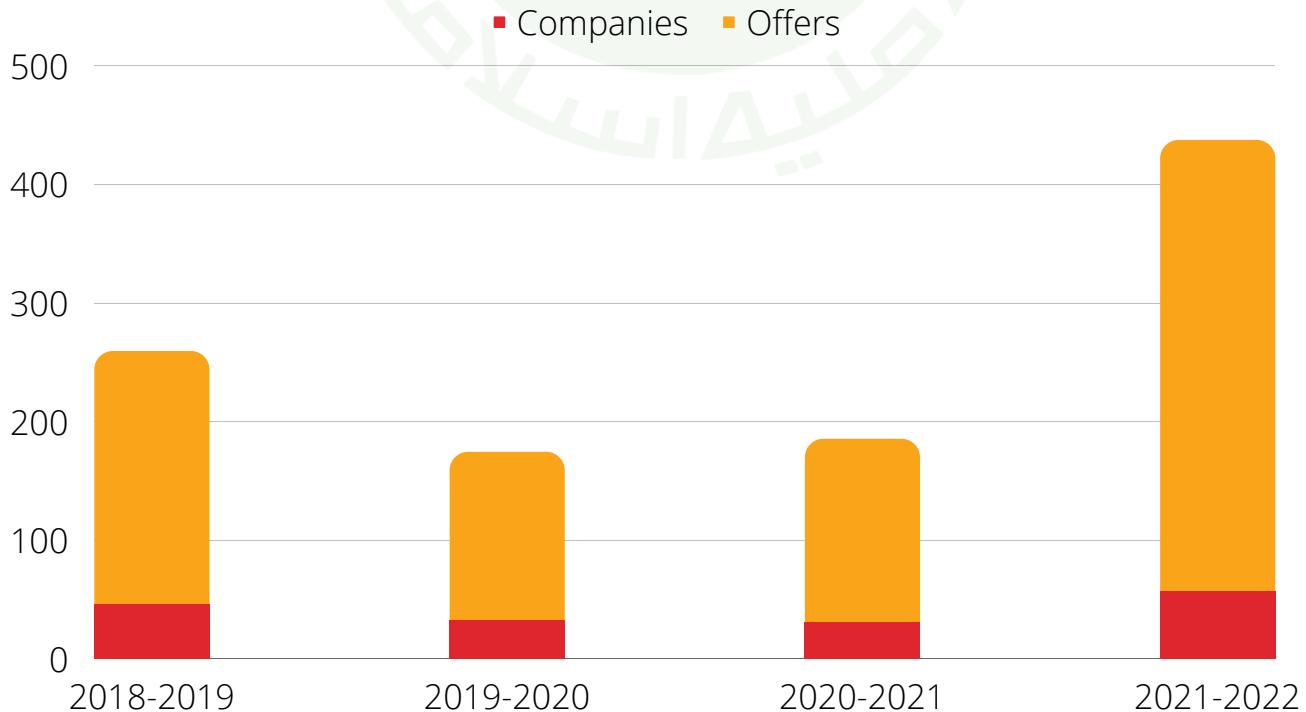


Placement Statistics

Avg Package vs Year (LPA)



No. of Companies vs No. of Offers



Student Placement Coordinators

NAME	BRANCH	MAIL ID	CONTACT NO.
Syed Mohd. Bilal	ECE	smbnaqvi999@gmail.com	9958465129
Mohd. Faizan	ECE	faizanmohani@gmail.com	9169255609
Faisal Ahmad	ECE	faisalahmad711@gmail.com	70421 80903
Tanmay Vig	CSE	tanmayvij11@gmail.com	9650175729
Kshitij Dwivedi	CSE	kshitijdwivedi28@gmail.com	8383914078
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Amil Saleem	EE	amilsaleem@gmail.com	9643021220
Aditya Prakash	EE	sacamitprakashjamian@gmail.com	9351637163

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