



**MAHARANA PRATAP
GROUP OF INSTITUTIONS**

Kothi, Mandhana, Kanpur

**DREAM
GROW
LEAD**

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ENGINEERING BUZZ

THE FUTURE LEADERS



**MAHARANA PRATAP
GROUP OF INSTITUTIONS**

Kothi, Mandhana, Kanpur





ABOUT US

The demand for emerging technologies, as well as the technological advancements being made every day make a career in engineering an exciting one. Engineers will be required to do so much more in the future, which means there will be an increase in the demand for different types of engineers.

The type of engineers required in different sectors will depend on the particular sector. For example, we will need civil engineers to revolutionize the cities we live in, mechanical engineers to improve how we travel, biomedical and chemical engineers to help overcome challenging health issues, Electrical Engineers to develop the cost effective power, Electronics & Communication engineers to design miniature and cost effective devices and computer engineers to develop the technology that will make all this possible. Engineering is still most preferred choice among students for career.



ENGINEERING

4 YEARS

REGULAR ENTRY:

- Passed 10+2 with Physics and Mathematics as compulsory subjects, with one of these - Chemistry/ Biotechnology/ Biology/Technical Vocational subject/ Computer Science/Information Technology/ Informatics Practices/Agriculture/ Engineering Graphics/ Business Studies. AND
- Obtained at least 45% marks (40% for reserved category) in the above subjects taken together.

OR

- Passed Diploma (in Engineering and Technology) with at least 45% marks (40% marks for reserved category) subject to vacancies in the first Year, in case the vacancies at lateral entry are exhausted.

3 YEARS

LATERAL ENTRY:

- Has a Diploma with at least 45% marks (40% for reserved category) in any branch of Engineering and Technology.

OR

- Passed B.Sc. Degree from a recognized University with at least 45% marks (40% for reserved category) and passed 10+2 with Mathematics as a subject. The students should have cleared the subjects Engineering Graphics/ Engineering Drawing and Engineering Mechanics of the First Year Engineering Programme along with the Second year subjects. B.Sc. students shall be considered only after filling the super numerary seats in this category with students belonging to the Diploma stream.

OR

- Passed D.Voc. Stream in the same or allied sector.

PRIDE OF KANPUR - STARS OF MPGI



12 LPA

**KARTIK
PANDEY**



12 LPA

**SONALI
KUSHWAHA**



12 LPA

**ANURAG
PANDEY**



18 LPA

**PRASHANT
DWIVEDI**



19 LPA

**MAHIMA
CHAUDHARY**



49 LPA

**SHRUTI
OMER**



24 LPA

**SHURUBHI
SRIVASTAVA**



12 LPA

**SUMIT
KUMAR**



12 LPA

**RITU
SINGH**



12 LPA

**FARAZ
HUSSAIN**



DREAM **GROW** **LEAD**

PRIDE OF KANPUR - STARS OF MPGI

infoedge 10 LPA



Chirag Tiwari
SOFTWARE ENGINEER



Bhawna Tekwani
SOFTWARE ENGINEER



Kratika Dwivedi
SOFTWARE ENGINEER



Faizan Khan
SOFTWARE ENGINEER



Gantantra Agarwal
SOFTWARE ENGINEER

DREAM **GROW** **LEAD**



ENGINEERING WING OF MPGI - THE JOURNEY

MPGI ventured in the field of higher studies with Maharana Pratap Engineering College – which also happens to be the oldest private engineering college of Kanpur. From then till now, our engineering wing has grown in leaps and bounds. We have made a constant and a conscious effort to ensure that we stay current as required by the industrial standards. We stay at the top of the game by ensuring that the students are in touch with more than just the curriculum. We make it all happen by adopting the below mentioned 10 initiatives:

- Rich and experienced faculty
- Training module PACE
- Global exposure
- Academic talks
- Research emphasis
- New-age digitalized teaching methodology
- Certification programs by Corporate Giants
- Corporate talks
- Industry visits and exposure
- Projects and experiential learning

Approved by



All India Council for Technical Education



Board of Technical Education



Abdul Kalam Technical University

DEPARTMENT — COMPUTER SCIENCE AND ENGINEERING

Collaboration with IBM

Course established in 2000

B.Tech

Department of Computer Science & Engineering offers programs in Computer Science and Engineering[Core], Data Science, AI & ML and Internet of Things. These programs equip students with all the skills necessary to become true professionals in the Computer Science domain. A student from computer science domain studies courses related to the theory of Computation, Design and Analysis of Algorithms and Software Systems.



Specialization Courses Offered in Collaboration with IBM

1. Artificial Intelligence and Machine Learning
2. Bigdata and Analytics
3. Cyber Security
4. Artificial Intelligence and Internet of Things
5. Cloud and Internet of Things
6. Cloud and Cyber Security
7. Cloud and FullStack



CSE Department has tied-up
with various Corporates like



HIGHEST CTC: INR 49LPA
AVG CTC: INR 4.5LPA

CSE @ MPGI

- CSE Department has achieved 100% placement of all eligible students in the year 2022 with the highest package of 49 LPA and average package of CTC 5.5 LPA.
- The Department imparts cutting-edge skills through conducting quality, innovative and updated teaching.
- Lab Facilities, dissertation guidance and access to International and National Journals. MPGI students have published good-quality research papers in peer-reviewed Indexed Journals and National Conferences under the guidance of supervisors.
- Strategic partnership with industry for maximum exposure.
- The Department actively organizes Conferences, Alumni Symposium, Industry Symposium and Technical Talks by eminent Academicians from the Industry.
- Faculty of Computer Science Engineering at MPGI fulfils multiple roles as Educators, Researchers and Professionals with different backgrounds, scholarly interests and areas of expertise thereby bringing substantial achievement in professional practice and research into the classroom.
- Technical Quizzes and Programming Contests organized by students under the banner of 'C-Mania.'
- Seminar Series to help students to update and develop themselves in emerging fields of Engineering.

Lab Facilities

Laboratories equipped as per AKTU and AICTE

Guidelines

- Programming Lab (C, Java, Python, C++ etc.)
- DBMS
- Data Structures
- CO Lab
- Web Technologies Lab
- Artificial Intelligence Lab
- Mini Project/Project Lab
- Network Lab
- Compiler Lab
- Software Engineering Lab
- Software Testing Lab
- Computer Graphics Lab
- Distributed Systems lab
- Data Mining Lab

COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

A Data Scientist is a top ranking professional in any analytics organisation. Glassdoor ranks Data Scientists in the first 25 Best Jobs for 2019.

Course established in 2020

Data Science is related to Computer Science, but is a separate field which deals with any type of Data Analysis, which may or may not use computers. Data Science is closely related to Mathematics field of Statistics, which includes collection, organization, analysis, and presentation of data. Data Science has also contributed immensely to the Healthcare Sector. Data Science algorithms and applications can be found in Genomics, Drug Development, Medical Image Analysis, Remote Monitoring, to name a few.

Placement Partners

and many more

Future Scope with CS and Specialisation in Data Science

B.Tech CSE (Data Science) will enable you to be ready for Industry 4.0 emerging and exponential technologies. This course will be using project-based learning leading to internships and career opportunities.

This course is uniquely positioned to keep pace with the emerging skill-sets required in Industry 4.0 MPGI and its industry partners will be happy to help you get placed at MNCs as well as Startups, be it in India or Abroad. You may also decide to become a Technopreneur, as you Graduate after 4 years, and you never know you may have an option to incubate your own startup even before the course ends!

Career Opportunities:

- Business Intelligence Developer
- Data Architect
- Data Analyst
- Data Scientist
- Data Engineer
- Machine Learning Scientist

Lab Facilities

- Machine Learning Lab
- Data Mining Lab
- Python Lab
- Data Visualisation Lab
- Distributed System Lab

COMPUTER SCIENCE AND ENGINEERING (INTERNET OF THINGS)

Course established in 2020

This 4-year Undergraduate Course of Computer Science & Engineering with specialisation in IOT & application imparts firm foundation in Computer Science wireless communication and computer networks. Internet of Things (IOT) is a network that inter-connects ordinary physical objects with the identifiable addresses that provide Intelligent Services.

The programme aims to train students for professional knowledge and strong practical skills in the field of computer technology communication networks and IT that provides a wide range of applications in the Internet of Things. The programmer has to understand the use of devices in IO Technology, IOT Architecture and the application of IOT in various Technologies.

Lab Facilities

The department has state of art research facilities like Computer Programming and Graphics Lab, Object-Oriented Programming Lab, Language Processor Lab, Network & OS Lab, Internet & Project Lab, Linux Lab, Distributed Systems Lab, Networks Lab, Database Lab.

Future Scope of CSE Specialisation in IOT

Internet of Things (IOT) has been identified as one of the emerging technologies in IT. Future of IOT is very bright as this is feeding and empowering Data Science and Artificial Intelligence in a big way. Data from IOT network enables us to have better tracking, monitoring, prediction, management and control of various systems in different industries.

Career Opportunities:

- Data Analytics
- Network and Structure
- Cell and UI Development Artificial Intelligence
- Infonomics and Data Broking
- Shift from Intelligent Edge to Intelligent Mesh
- IOT Governance
- Sensor Innovation
- Social, Legal and Ethical IOT
- Innovation on the Chip

Specialised Lab Facilities

- Wireless Sensor Networks & IOT Standards Lab
- Cloud Architecture and Deployment Models Lab
- IOT for Industries (Use Case Scenarios)
- Embedded Technology for IOT
- Smarter City-Lab
- Big Data Analytics Lab
- Programming with Advanced C/Embedded C
- Micro-Controller programming using Arduino
- Programming with Python
- IOT Applications using Raspberry Pi
- IOT Cloud Infrastructure

COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Course established in 2020

B.Tech

Artificial Intelligence has become an integral part of technology in our daily lives, driving to office, searching for a restaurant, getting news updates, and recommendations on social media, we are all users of AI. AI and ML, both are used to make the computer intelligence machine which can perform any kind of task with human intelligence involved. These programs understand things and update the system by themselves.

CSE with AI and ML at MPGI

Analysis and Design of Algorithms is an important skill to make efficient algorithms in AI and ML. We have facilities available in our labs to ensure efficient understanding of algorithms. AI simply put, is finding mathematical relationships and equations (not always) for real-life problems and emulating them on a computer-based system.

Future Scope of CSE in AI and ML

On completion of the course, students can undertake industry careers involving innovation and problem solving using Artificial Intelligence (AI) and Machine Learning (ML) technologies and research careers in AI, ML, and, in area of General Computer Science. Courses which provide specialisation in AI, students will have the option to explore applied domains such as Computer Vision, Natural Language Processing, Robotics, and Software Analysis as well.

Career Opportunities:

- Machine Learning Engineer
- Research Scientist
- Software Analyst and Developer
- Data Engineer

Specialised Lab Facilities

- Application Based Programming in Python
- Multimedia and Animation Lab
- Soft Computing
- Pattern Recognition
- Artificial Intelligence
- Android Application Development
- Introduction to Cloud Computing
- Natural Language Processing
- Information Retrieval
- Neural Networks
- Digital Image Processing
- Introduction to Deep Learning
- Distributed System Concepts & Design
- Introduction to Internet of Things: Fuzzy Logic: Intelligent Agents
- Robotics and Intelligent Systems

EMERGING TECHNOLOGIES NOW @MPGI

AI and ML

- Increased demand for AI & Big Data/Analytics roles - From 510,000 in 2018 to 8,00,000 by 2021 (Report by NASSCOM).
- Gartner has predicted that AI will create 2.3 million new jobs worldwide in 2020.
- Future of Workplace: COVID-19 to accelerate digital adoption and shift to AI, says Tata Sons.
- As announced by the GOI, India to become an AI 'garage', or solutions provider, for 40% of the world.

IOT

- The number of IOT connections are expected to grow at a CAGR of 137% according to NASSCOM.
- According to a study by Deloitte, a number of IOT devices in India is going to increase to 1.9 billion units by 2020.
- The IOT market in India is poised to reach \$15 billion by 2020, accounting for 5% of the global market, as per a NASSCOM report.
- Investment planned by Govt of India for 100 smart cities, IOT is the biggest enabler.

DATA SCIENCE

- 110+ Centre of Excellences in India focussing on Data science, IOT, AI & cognitive and mobility.
- Data Science is one of the eight technologies, identified in a survey by NASSCOM and the Boston Consulting Group, as part of the "Future Skills" platform.
- Employment in the organised manufacturing and service sector is expected to increase from the current 38 million to 48 million by 2022. ('Future of Jobs in India' study, commissioned jointly by FICCI and Nasscom with EY).
- Digital Vidya, NASSCOM Future Skills Collaborate For Big Data, Data Science Courses to up-skill employees – requirement of skilled Data Science/emerging technologies employees.

MECHANICAL ENGINEERING

Course established in 2000

B.Tech | M.Tech | Diploma

Mechanical Engineering is the discipline that applies the principles of Engineering, Physics and Materials Science for the design, analysis, manufacturing, and maintenance of mechanical systems. It involves design, production, and operation of machinery and tools and requires an understanding of core concepts including Mechanics, Kinematics, Thermodynamics, Materials Science, Structural Analysis, and Electricity.



Future Scope of Mechanical Engineering

Mechanical Engineering combines Creativity, Knowledge and Analytical Tools to complete the difficult task of shaping an idea into reality.

Career Opportunities:

- Acoustics
- Aerospace
- Automation
- Automotive
- Autonomous Systems
- Biotechnology
- Composites
- Computer Aided Design (CAD)
- Control Systems
- Cyber Security
- Design
- Energy
- Ergonomics
- Human Health
- Manufacturing and Additive Manufacturing
- Mechanics
- Nanotechnology
- Production Planning
- Robotics
- Structural Analysis

Mechanical Engineering @ MPGI

The Department has been affiliated to A.K.T.U. for its adherence to high standards of academic quality and infrastructure ensuring outcome based education. The Department boasts of state of art Automobile Labs and Automation Labs in collaboration with industry.

SPECIALISATION PROGRAMS:

1. Mechanical Engineering with Specialisation in Automobile Engineering:

Automobile Engineering helps in training students and in making them industry ready, in areas of Automotive Design, Research and Development, Production and Manufacturing and Sales and Service.

2. Mechanical Engineering with Specialisation in Mechatronics:

Mechatronics is the synergic combination of Mechanical, Electrical, Electronics, Computer Science and Information Technology, which includes control systems used to design products with built-in intelligence.

Placement Partners

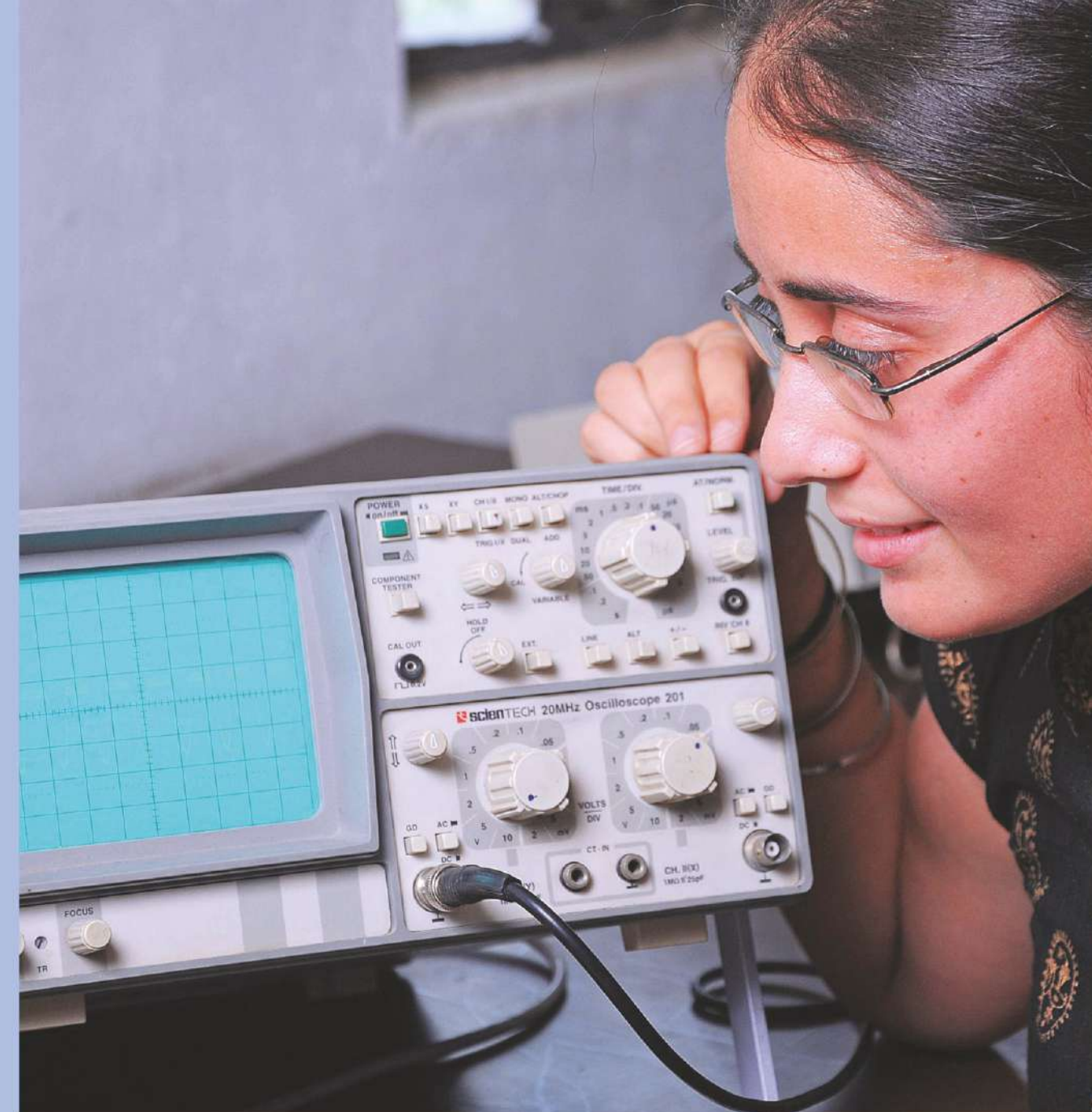


and many more

HIGHEST CTC: INR 10 LPA
AVG CTC: INR 3 LPA

Department Laboratories:

- Workshop
- Engineering Mechanics Lab
- Fluid Mechanics Lab
- Fluid Machinery Lab
- Material Science and Testing Lab
- Manufacturing Science Lab
- I.C. Engines and Automobile Lab
- Thermodynamics Lab
- Heat and Mass Transfer Lab
- Refrigeration and Air Conditioning Lab
- Theory of Machines Lab
- Machine Design Lab
- Measurement and Metrology Lab
- CAD/CAM Lab



ELECTRONICS AND COMMUNICATION ENGINEERING

Course established in 2004

B.Tech | M.Tech

The prime focus of the department is to impart quality education with a strong emphasis on converting basic science into technology, through hands on training, workshops and research in the frontiers of 5G Technology, Microcontroller Systems, Digital Signal Processing and Data Communications. We enjoy a symbiotic relationship with many leading institutions and industries in India.

Future Scope of EC

1. Robotics and Intelligent Instrumentation
2. Artificial Intelligence and Machine Learning
3. IOT through 5G Technology
4. VLSI Design Technology
5. Multilayer PCB Design Technology

Electronics and Communication Engineering @MPGI

Specialisation Programs:

- Data Science – Artificial Intelligence & Machine Learning
- AI & IOT
- Big Data Analysis
- Cyber Security
- Robotics & Automation
- 5G Technologies

Corporate Tie-Ups



Rise, fall,
make mistakes,
but never
give up!

Lab Facilities

- Semiconductor Devices
- Analog Circuit Design
- Digital System Design
- Signal System Lab
- Digital Signal Processing
- Microprocessors and Microcontrollers
- Communication Engineering
- Wireless Technologies
- Microwave and Optical Communication
- Computer Networks and Advanced VLSI Design



ELECTRICAL ENGINEERING

Electrical Engineering is one of the core fields of Engineering so it is always evergreen in terms of scope and job prospects and is the heart of whole Engineering disciplines. With the aim to prepare successful professionals in the field of Electrical Engineering, the Department of Electrical Engineering was established in the year 2000. The focus of the Department is to provide high quality technical and professionally relevant education which is beyond the traditional teaching and learning methodologies so that students can inculcate the advanced knowledge according to the latest trends and requirements of industries.

**Course established
in 2000**

B.Tech | Diploma

Corporate Tie-Ups

To develop and ignite the innovative minds of students and to equip them with contemporary skills to meet the challenges ahead in the industries, the Department offers specialised certification courses in collaboration with



Placement Partners



and many more

HIGHEST CTC: INR 11 LPA
AVG CTC: INR 4 LPA

Future Scope with Electrical Engineering

- India is world's third largest producer of electricity with 4.8 percent global share in electricity generation surpassing Japan and Russia in 2013
- Indian government's goal of "power for all" owing to which the power sector is poised for significant expansion
- 4 percent growth over the previous fiscal in electricity production
- Compounded annual growth rate of 5.6 percent
- Positive investment climate, expansion of power industry
- Proposal to add 76,000 MW of power capacity during 12th five-year plan
- Target of adding 93,000 MW in the 13th five-year plan (2017-2022)
- Guidelines to encourage private sector participation for faster growth
- Commencement of new projects (sources: KPMG & FICCI)

Career Scope of Electrical Engineering

- All Manufacturing Industries
- Operational and Maintenance Departments of all Industries
- Central Government Sector (Major Recruiters: BHEL, Indian Railways, Indian Army, ONGC)
- Thermal Power Plants and State-Wise Electricity Boards
- Teaching
- Research

Placement Partners



HIGHEST CTC: INR 3.5 LPA
AVG CTC: INR 2.8 LPA

Electrical Engineering @MPGI

- Faculty from IIT and NIT
- Industrial Tie-ups for increased employability.
- Collaboration in progression with L&T Automation Academy at Lucknow and Mumbai.
- Faculty has participated in over 25 workshops at various institutes as IIT Kanpur, NITTR Chandigarh, AICTE New Delhi, UIT Allahabad and many more to stay connected to the technological advancements in the industry.
- Industrial visits to Thermal power plants, PGCIL, HAL, BHEL, Schneider electric, Lohia corps and many more.
- Faculty who are continuously committed to knowledge advancement through numerous publications of papers in reputed journals, conferences workshops, faculty development programs, courses in NPTEL etc.
- Invited guest faculty from IITs, NITs to discuss and share insights about all recent development in the industry.
- Alumni have distinguished themselves in Academics, research, industries and government organisations.

SPECIALISATION

- PROGRAMS:**
- Artificial Intelligence & Machine Learning
 - Switchgears
 - Automation
 - Drives
 - PLC
 - SCADA
 - AI & IoT
 - Cyber Security
 - Robotics

Lab Facilities

- Basic Electrical Lab
- Electrical Machine Lab
- Electrical Measurements and Measuring Instruments Lab
- Control System Lab
- Power Electronics Lab
- Electrical Network Lab
- Electrical Drive Lab
- IPC Lab
- Microprocessor Lab
- Simulation Lab
- Power System Lab



Civil Engineering

Course established in 2004

B.Tech | Diploma

The Civil Engineering Department caters to the ever increasing demand of Civil Engineers in Industry & Academia. The students are groomed to be thorough professionals with blend of up-to-date technical knowledge and field experience gained during internship. Various courses like Structural Analysis, Advanced foundation Engineering, GIS & Remote Sensing, Earthquake Resistant Design, to name a few, have been included as a part of curriculum to keep pace with the emerging fields. It has a great opportunity in the Government Sectors like IES, PWD, Irrigation Department, CWC, and large number of Government projects of N H A I and Infrastructure etc.

Civil Engineering is the discipline that traditionally covers streams such as Earthquake Engineering, Architectural Engineering, Environmental Engineering, Geotechnical Engineering, Geophysics, Control Engineering, Structural Engineering, Transportation Engineering, Municipal or Urban Engineering, Water Resources Engineering, Materials Engineering, Offshore Engineering, Coastal Engineering, Quantity Surveying, Geodesy, Surveying and Construction Engineering etc.

Future Career Scope:

- Graduates can choose from industries like Government and Non-Government Sectors, PSU's, Construction and Management, Software, Consulting, Aerospace, Research, etc.
- Graduates may pursue their Masters' in varied fields such as Structural Engineering, Construction and Management, Environmental Engineering, Water Resource Engineering, Transportation Engineering, Geotechnical Engineering, GIS, Non-Destructive Testing, etc.
- Graduates are placed in core industries such as L&T, Ambuja Cement, Supertech Infra etc.

Civil Engineering @ MPGI

It is a four-year course which is spread over eight semesters. The program consists of a set of core and elective subjects, Lab Works, Survey Camps, Industrial Training, Seminars and Project Work aimed at in-depth studies on specific topics. The field/industrial visits are organized for students to expose them to the issues and challenges associated with real life problems.

Growth of Civil Engineering:

According to a report by Global Market Insights Inc. on Globe News wire, the Civil Engineering industry is expected to reach a size of USD 11.72 trillion by 2025.

As a country, we are developing faster than ever especially when it comes to infrastructure. Forty years ago nobody would have thought that the commute between Bandra and Worli could have been completed in lesser than 40-50 minutes. Today, we can cover this distance in just eight minutes. This is only possible due to the Bandra-Worli Sea Link (BSWL) constructed in the Arabian sea; built by our civil engineers.

The BSWL is just one of the many examples that show how we are coming up with innovative solutions to meet the changing requirements. The requirement for such modern developments is bound to grow. If students are willing to work on groundbreaking developments, Civil Engineering provides them with a room to grow and a chance to hone their skills.



Our Industry Alliances



HIGHEST CTC: INR 3.6 LPA • AVG CTC: INR 2.6 LPA

ENGINEERING WING CELEBRATIONS



Ganesh Vandana by Pratapians at Encuentro - the college fest



If looks could kill! A Pratapian at Novak - the freshers event



A fun event by Basic Science "Sneak Peak"



Republic Day celebrations at Mandhana Campus



Students displaying their project at "Srajana Exhibition"

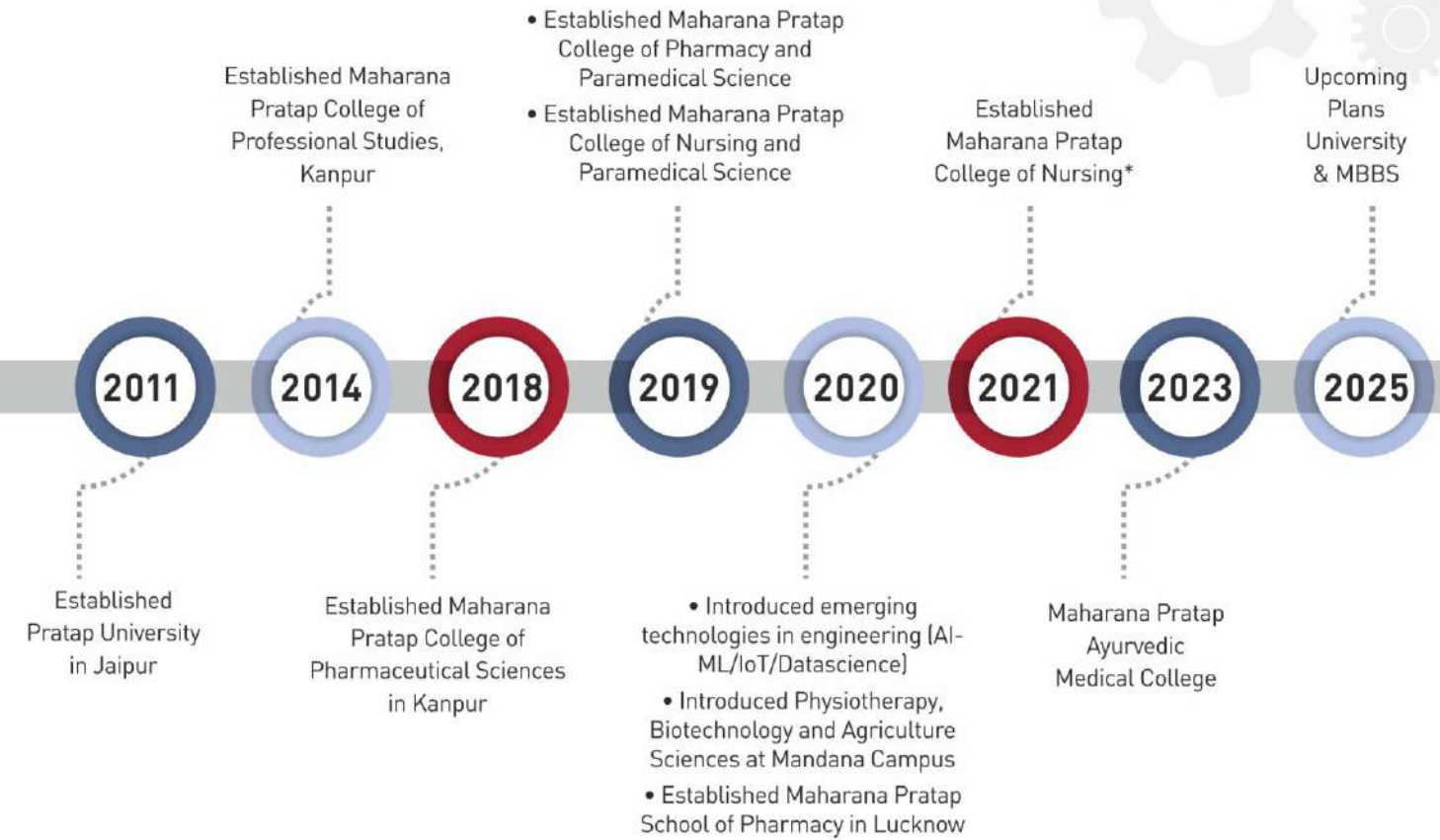
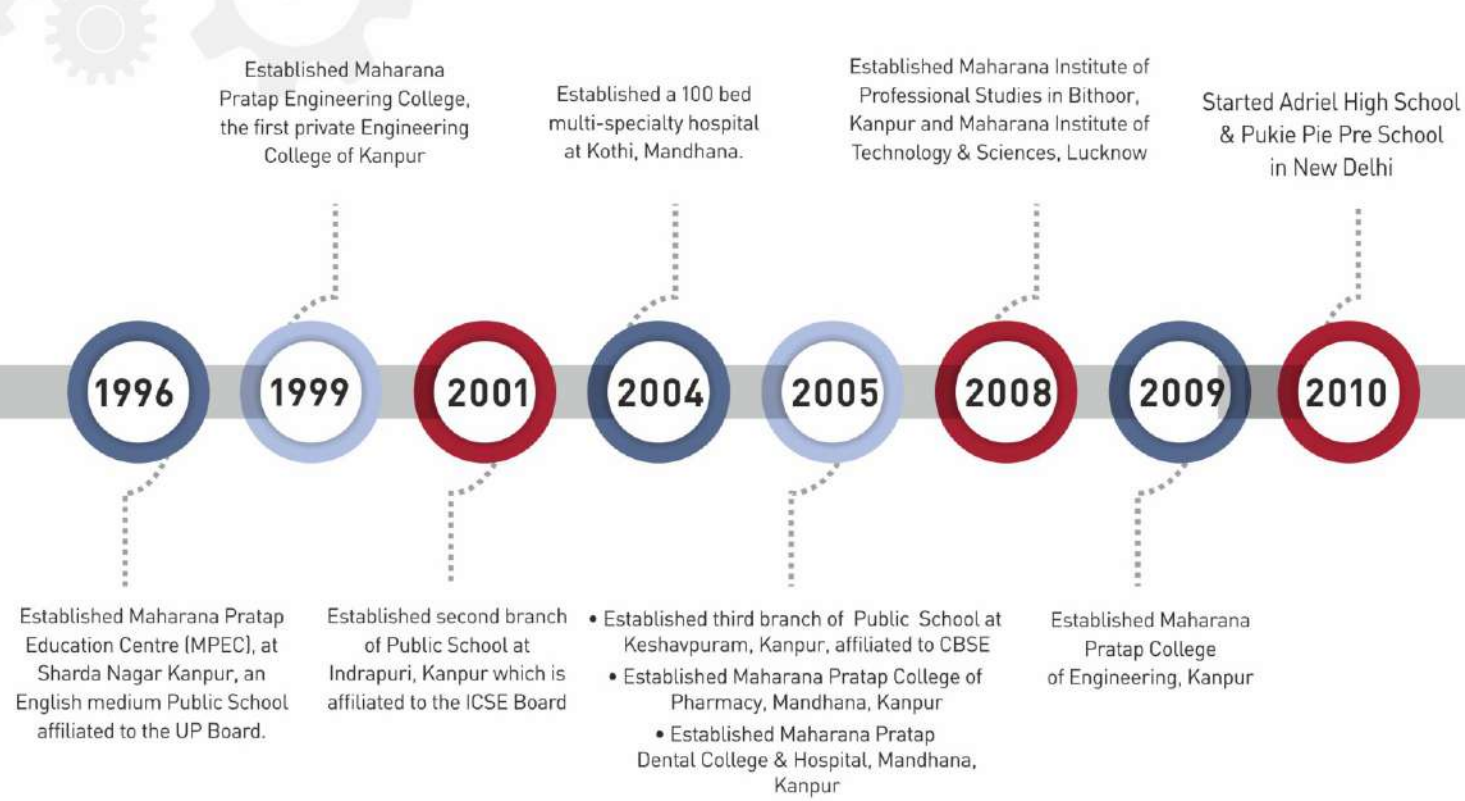


Freshers day celebrations at MPGI Mandhana



A dance performance by a Pratapian at Novak - Freshers Party

JOURNEY OF THE GROUP



Affiliations & Approvals



All India Council for Technical Education



Dental Council of India



Pharmacy Council of India



Indian Nursing Council



Abdul Kalam Technical University



Chatrapati Sahu Ji Maharaj University



State Medical Faculty



Board of Technical Education

Associations

NASSCOM
FOUNDATION

CII
Confederation of Indian Industry

FICCI

NPTEL



WORDS BY CAMPUS LEAD ACADEMICS

Mohit Kumar Srivastava



Dear Parents and students

Nearly 25 years ago, the founder of MPEC-Kanpur, embarked on a journey to nurture and chisel out the finest quality of Engineers. The students who have graduated from our portals have distinguished themselves as Industrialists, Entrepreneurs, Innovators, Educationists, Heads of prestigious organizations. It is a matter of pride that MPEC continues to be the 'Institute of Choice' for students from all over India, when students today have vast options in selecting an Engineering college. MPEC, which has become a brand name, is one of the preferred college in Uttar Pradesh.

Right from its inception in the year 1999, MPEC has been promoting excellence in education, made possible through highly qualified and dedicated faculty members and modern infrastructure. As an ongoing and continuous process, MPEC strives to build into the curriculum the capacity to innovate and the ability to solve problems creatively, besides enabling every student to develop skills like critical thinking, communication and collaboration, which are so significant in the current context when industry needs are far more important than mere academic knowledge.

So, my dear students who have stepped into this great Temple of Learning – on behalf of the MPEC family, it is my proud privilege to welcome you all to this memorable institution! Your journey to a better tomorrow has just begun

KNOW YOUR GURUS



Dr. Saurabh Singh is working as Head of Department in the department of computer science and engineering at Maharana Pratap Group of Engineering and Technology, Kanpur, India. Dr. Singh has 20 years of experience in teaching and research. He has received his Ph.D. degree from Birla Institute of Technology, Mesra. He has completed his M.Tech. Degree From HBTL, Kanpur and B.Tech. From Dr. B. R. Ambedkar University, Agra. He has published over thirty-five research articles in various internationally reputed journals and conferences, written various book chapters, filed nine patents in various fields of engineering. He has also completed a book (scheduled for publication in October 2023).



Anil Kumar Pathak at present working as Head – Department of Electrical Engineering, Chief Proctor & Center Superintendent in MPGL. I have done my M-Tech (Gold medalist) from National institute of technical teachers training and research Chandigarh in 2012 and B-Tech from Kamla Nehru institute of technology Sultanpur in 2007. Before joining MPGL he has an Industrial Experience of One and half year as project engineer in ANSAL API. In the previous academic year he has participated in online FDP on Examination Reforms from 26th to 30th March 2022 and participated in One day Online Workshop on Entrepreneurship & Intellectual Property Rights on 23rd July 2022. In December 2022, he has Co chaired National Conference on "Human Value and professional ethics" Held in December 2022 at Step-HBTL.



Dr. Anupama Mathur has 24 years of teaching and research experience. She joined as Assistant Professor of Chemistry at Maharana Pratap Engineering College, Kanpur in 2004. Currently she is Head of the Department of Basic Sciences & Humanities at MPEC. She did her Masters in Organic Chemistry and Doctorate on "Synthetic Studies in Cycloalkanes" from J.N.V University, Jodhpur. She completed her Post Doctoral Fellowship in a project monitored by CSIR and funded by TMO & P in the Deptt. of Oil & Paint Tech. at H.B.T.I Kanpur. She has presented her research work in various national and international conferences and published research papers in journals of repute.

TECHNICAL EVENTS

CODE-O-FIESTA

the Computer Science department of MPGI has formulated their technical club named Tech-e-Clan which organised their event - Code-O-Fiesta. The event was organized in two rounds: Aptitude and Coding. The event was organised for the selection of PRO for the tech club. It was indeed a feeling proud moment to see the students working in self-driven mode.

VERBATTLE

The Department of Basic Sciences & Humanities organised "Verbattle", Debate competition for first year engineering students. The topic of the debate was 'Social media brings more harm than good'. The students enthusiastically participated in the competition speaking either for or against the topic in the given time duration. The competition was an enthralling experience for the speakers as well as the audience. Every debater was cheered & clapped up for their presentation and sharp arguments. Finally winners and runners up were announced & presented with certificates.

TALKS

MR. ASHEESH KESHARWANI

Department of Mechanical Engineering, MPGI is heartfelt to host Mr. Asheesh Kesharwani sir from National Skill Training Institute. The First Year students of Engineering got exposure about Fused deposition modeling and Additive manufacturing through the demonstration showcased. Contemporary 3D printing Skill has also been discussed and performed in front of the students to get a better aspect of 3D printing. The FDM technology was introduced to the students by Mr. Kesharwani through various demonstrations and live examples practiced. The session was enriching in terms of industry trends and demands. Ms. Nandini Sawhney - Head (Mechanical and T&P) has graced the workshop with her presence.

MR. BAJPAI

The Department of Basic Sciences & Humanities organized a Physics Workshop for first year engineering students on the topic: Small experiments big learning. Mr. Bajpai is a professional in demonstration of Science experiments with over 10 years of experience in training & demonstration. He started his career as trainer with Prof. H.C.Verma, IIT Kanpur & worked for his NGO 'Shiksha Sopan' for many years. Currently he is coordinator of SGM-IAPT ANVESHKA, an open science laboratory.

Mr. Bajpai demonstrated many experiments explaining difficult concepts of Physics in a very simple and interesting manner. The students participated enthusiastically and interacted excitedly with Mr. Bajpai. It was a very fruitful & innovative learning experience for the students.





MR. NITIN PANDEY

The Department of Basic Sciences & Humanities organized a seminar on 3rd November 2022 for Abhyudaya 2022-23, an association for first year engineering students on Trends and Emerging Threats in Cyberspace. The speaker was Mr. Nitin Pandey, a Cyber Intelligence and Crime Investigator, Dark Web Analyst, Penetration Tester, Security Researcher, International Speaker, Author, Trainer, Blogger who is currently working as a Senior Cyber Crime Consultant with Uttar Pradesh Cyber Crime Police, Lucknow and also Coordinator of Cyber Peace Foundation. The seminar made the students aware of the different frauds, threats, vulnerabilities possible in cyberspace and how to secure oneself against such threats.



MR. DEVJEET SINGH

The Department of Basic Sciences & Humanities conducted a workshop for the first-year engineering students and all faculty members of engineering, management & computer applications on 30th June 2022 on Emerging trends in Cyber Security & Ethical Hacking. by Mr. Devjeet Singh. Mr Devjeet Singh is a well-known name in the Indian cyberspace. At a very young age Devjeet, popularly known as 'hacker' has already achieved fame for finding security loopholes and vulnerabilities in Adobe, Microsoft, Blackberry, AT&T, Google etc. He gained worldwide recognition through his hacking skills and is listed in top giant companies' security hall of fame. He has 12 years of experience in Information Security Industry and has worked for Ernst & Young, Fiserv India Ltd. Currently he is working as team leader in Cognizant.

The key objective of the workshop was to provide exposure to the faculty members and students in the field of ethical hacking & cyber security to enhance their knowledge in the domain. Gaining knowledge on how to guard systems against attacks and security breach, this workshop intended to impart the skills that an ethical hacker and cyber security expert may need. Devjeet elucidated on different Ethical Hacking Techniques and Various Vulnerabilities associated with different Websites. He shared an in-depth knowledge on the need of Cyber Security and acquainted the students with the latest technologies helpful for cyber security. He also created awareness about the job opportunities in Cyber Security domain.



TALKS

MR. ANANDO GOPAL

The Department of Basic Sciences & Humanities organized a tech - talk for "Abhyudaya 2022-23", an association for first year engineering students on Introduction to AI and Parallel Programming using Python. The speaker was Dr. Anando Gopal Chatterjee.

Dr. Anando Gopal Chatterjee is a Research Officer in the Computer Centre, IIT Kanpur and has Ph.D from IIT Kanpur in the field of Turbulent Fluid Dynamics. Dr. Chatterjee explained the basics of AI and helped the students to explore how parallel programming in python can speed up any code and efficiently handle big data.



MR. AWADH DUBEY

We are thrilled to announce that Maharana Pratap Group of Institutions organised a motivational talk on the event of 'Ahyudaya' inaugural on 17th Feb 2022. The event's main attraction was Dr Awadh Dubey, who helped students release stress and instil zeal as new goals are on their way.



MR. ABHISHEK PANDEY

Cloud Computing is the new buzz raising at the top IT companies in India and around the world. "Cloud" is stated as the next-gen Computing" Let us help you discover more about career opportunities and skill upgradation in this field. Join us at the Guest Talk with Mr. Abhishek Pandey.



TALKS

MR. ABHISHEK SAXENA

We had an insightful session on Data Visualization and Microsoft Power BI with Mr. Abhishek Saxena, a highly experienced professional with over 10 years of corporate experience and a strong technical background. He is currently associated with TCS as the Regional Head Academic Interface for UP and Rajasthan.



TALKS

MR. ARSH GOYAL

Mr. Arsh Goyal is a renowned YouTuber with over 90K+ subscribers. He talks about placements, internships, interviews, and programming.



MR. DHIRENDRA MAURYA

MPGI is delighted to announce that Mr. Dharendra Maurya, a senior software engineer at Microsoft India (R&D) Pvt. Ltd. will be visiting our campus for an informative and career-oriented seminar session for B.Tech, BCA, and MCA students.



MR. SHRIDHAR KRISH

MPGI team is honoured to have had the opportunity to host Mr Sridhar Krish, (Executive Director & COO-Tikona) as our guest speaker who shared with us his experiences of life on the professional and personal front.



MR. PRAMOD SINGH RAWAT

"Maharana Pratap Group of Institutions is delighted to host Mr. Pramod Singh Rawat. Mr. Pramod Singh Rawat sir, Director Of Engineering in Bhavna Corporation. Pramod Singh has 19+ years of software product development experience, he has got experience setting up CMMi to Agile product engineering offshore – onshore engineering labs.



TALKS

MR. HIMALAYA SAXENA

MPGI is delighted to host Mr. Himalaya Saxena (Senior DevOps Engineer) "At AMAZON". He has briefed and highlighted the importance and uses of Cloud computing and blockchain management.

MR. SANDEEP JAIN

The seminar hosted at MPGI had Mr. Sandeep Jain (Founder and CEO, of Geek For Geeks) as our guest speaker.

He shared with us his experiences throughout his professional and academic career, How he initiated the idea of Geek for Geeks in 2004 and how this has become a brand 14 years later.

MR. ROHAN SUDAN

In interaction with Mr. Rohan Sudan he shared with us his experiences and insight into corporate life, how important is it to study the background of a company, and define the vision mission, and goal according to your journey and expectations.

INDUSTRIAL VISIT

LOHIA GROUP

Department of Training and Placement, Maharana Pratap Group of Institutions, Kanpur Organized an Industrial Visit for the students of Mechanical Engineering (2nd & 3rd Year) at Lohia Group, Kanpur. During this visit, students had the chance to witness first-hand the future of manufacturing. Industry expert guides took them to their state-of-the-art facility, showcasing their innovative production methods and processes. Students had the opportunity to see the latest technologies in action, different mechanical & other related products. The students asked several questions and all the experts were happy to satisfy their queries. This visit was full of excitement and enthusiasm.

SHIKSHA SOPAN

The Department of Basic Sciences & Humanities organised an educational visit for the first year engineering students of MPGI to Shiksha Sopan lab of Padma Shri Prof. H. C. Verma. He was a Professor in the Department of Physics at Indian Institute of Technology, Kanpur and is one of the most distinguished authors of Physics in India.

Prof. H.C.Verma discussed and explained the concepts of different types of pendulums, optical phenomenon, electromagnetic induction, Faraday's effect etc with the help of experiments and live demonstrations. It was a very enlightening and amazing experience for the students who gained significant knowledge about the above concepts. The department has firm beliefs that educational visits work as knowledge boosters for the students.

ACHIEVEMENTS

MR. PRIYANSHU UPADHYAY

MPGI is proud of our young entrepreneur in making - Mr Priyanshu Upadhyay from B.tech 1st year - who is selected for the final round of GLOBAL STUDENT ENTREPRENEUR AWARDS organized by UP Government at Lucknow.

The startup is called Ottoclick and it is a team effort of Priyanshu and two more of his friends. Their idea is to renovate and turn your existing house into a dream house, where you can not only control your house automation conveniently but can also get a better and luxurious lifestyle. Ottoclick is a startup in home automation. As part of their startup's mission, they will resolve the main problem of energy and water wastage by creating a productive ecosystem leveraging the IOT and HOME-AUTOMATION sectors.

We wish success to Ottoclick!!



SHRUTI OMER

All our dreams can come true if we have the zeal to achieve them. Heartly Congratulations to the dream achiever of Maharana Pratap Group of Institutions, Shruti Omer made everyone proud. A big cheer up for her for getting placed in Microsoft with 49LPA.



CORPORATE TESTIMONIAL



Gurpreet Singh
Sr. Manager

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We are delighted to collaborate with MPGI to recruit their students for our organisation. The students' quality and knowledge is excellent, and the candidates we have hired are a true asset to our organisation. Finally, I'd like to thank the Placement Cell for their assistance and line-ups.



Rohan Sudan
Head Campus

WNS

MPGI Campus atmosphere is supportive for the academic development. Training process of students prove that, management of the Institute is still aiming high. The dedicated faculty members can be helpful for the comprehensive development of the students.



Kunish Kohli
Campus Head

Reliance digital

"Indeed it was a pleasure to interact with young management professionals. We have hired very good students who are performing excellent and delivering delight. Good hospitality."



Karthik
SV- Head Campus

Informatica

MPGI prepare its students for the corporate culture and instill the highest degree of professionalism. I found that MPGI students have the same values that we do, in particular, commitment to complying with ethical standards, community service, and service excellence. We are a proud employer of the intellectual and diverse population of MPGI.



Rajeev Sharma
Senior VP HR

JBM Group

It satisfies us the most when it comes to interact with MPGI. Training and placement department is very proactive and supportive to Industry's objectives and requirements. We have always found good talents from MPGI and it took no time to groom them further with requisite skill sets and perform better in real world. We sincerely appreciate MPGI for creating an environment of good educational learning and discipline. We look forward to have a long term association with you.



Sachin Sharma
Senior VP-Talent Aquisition

AU SMALL FINANCE BANK

It was really GREAT to visit MPGI, Kanpur. I am feel elated to see the efforts of Placement cell of MPGI doing to the student community in this region. HATS OFF. Keep up the good work, would certainly love to visit and interact with students again Thank you so much for inviting us."

MOBILLOITTE MOU



MPGI signed an MOU with Mobiloitte Technologies Pvt Ltd to inaugurate their Indic Chain Center of Excellence. The event was attended by the joint secretary of the institution along with other Directors and HODs.

With this MOU, MPGI is poised to bring the latest and most in-demand technologies of Industry 4.0 to our students. This means that our students will get hands-on experience with cutting-edge technologies like blockchain, metaverse, AI/ML, and IoT.

We are thrilled about this collaboration and are excited about the opportunities it will bring to our students. Stay tuned for more updates on how MPGI is leading the way in providing a world-class education that prepares students for the future of work.



ALUMNI TESTIMONIAL



Shruti Omer - B.Tech CSE, 2022, Software Engineer-III, Microsoft

I am extremely grateful to MPGI for playing a significant role in helping me secure my dream job. The college provided me with excellent education and guidance throughout my academic journey, which helped me develop the necessary skills and knowledge required for the job. Overall, I attribute my success in getting my dream job to the education and support provided by MPGI.

Prateek Dhawan - B.tech ME-2005, Manager- Dealer Development, ISUZU MOTORS

Dreams do not become reality through magic, it takes sweat, determination and hardwork." Almost every student joins an engineering college with a goal of getting placed in their dream companies. But when we talk about MPGI, it provides an atmosphere with its state-of-art infrastructure, training programs and numerous placement opportunities by College, which helps a student to grow and enhance their skill set, bridging the gap between their dream and reality. Lastly, I would like to say that I firmly believe that all of us have the potential to achieve and do great things in life, all we have to do is dream big and believe in ourselves.



Vaibhav Maheshwari - B.Tech EI, 2008, Assistant Vice President, Barelays

MPGI is true to what it claims when it comes to a student-centric approach. The placement team helped me a lot during the placement drive. The teachers were helpful and responded to me all my queries. I am grateful for my experience here.

Shubham Mishra - Global Citizen, B.Tech CSE-2010, Associate Consultant, TCS

"Self belief and hard work will always earn you success" Having said that, I would like to share my journey with you. Placement preparations are not easy, and there may be a point when you do not have any clue what to do next and where to start from. Surrounding yourself with quality people and working on yourself will never let you down. I would really like to thank the CR team for providing me with great opportunities and the training team which really prepared me for the competition out there. Lastly, I would say that working on your mistakes is the best way to learn.



Vishwamitra - B.Tech ME- 2010, Assistant Director of Airworthines at Directorate General of Civil Aviation

I got great support from the placement team. My experience at MPGI has been amazing and memorable. The mentors helped me enhance my academic and interpersonal skills. I am thankful to the training and placement cell for providing a platform to upscale my skills and an opportunity to showcase them.

Deepak Tripathi - MBA-2012, Asst Manager- IBM

I would like to thank MPGI for the incredible help and support throughout my application. Not only do they offer a large variety of placements, but also help select a suitable company. The company where I got placed is great and I am happy that I was able to take up this opportunity.



Abhinav Bhaduria - Global Citizen- B.tech CSE 2009- Sr. Manager- Product Manager-WALMART

Being a Pratapan has been a blessing for me because of the pleasant study environment, helpful professors, and wonderful resources. This college has provided me with numerous opportunities to grow and enhance my skills. My major's curriculum is well-structured, and it provided me with hands-on experience in the field I wish to enter. I also participated in a number of workshops and practical sessions that taught me how to present my skills during interviews. I'll be eternally grateful for the invaluable career development advice I received during my time here.

Karan Kumar Arora - B.Tech CSE-2015 Head Of Business Operations - MYGATE

I would like to express my gratitude towards the entire college team. They provided us with the right guidance and the right direction to work on. The faculty, training team and CR team was always ready to help. I still remember the words of the management team: "Focus on your skills, rest all will be taken care of by the college". They also provided us with the right environment and friends which competed with each other in a healthy fashion to enhance the skill set of the entire group. I would like to attribute my success to the entire MPGI culture.



Avinash Pratap Singh - B.Tech CSE, 2014, Operations Manager- Amazon

I had the pleasure of attending MPGI and I can honestly say that it was one of the best experiences of my life. The professors were knowledgeable and passionate about their subjects and they provided a great learning environment. The campus was beautiful and the facilities were top-notch. I also enjoyed the social atmosphere with plenty of clubs and activities to get involved in. Overall, MPGI gave me an amazing college experience that I will never forget.

APEX 2023

25TH & 26TH

NOVEMBER 2023



CULTURAL EVENTS

