HLM Group of Institutions
IMPARTING QUALITY EDUCATION

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APPROVALS & AFFILIATIONS

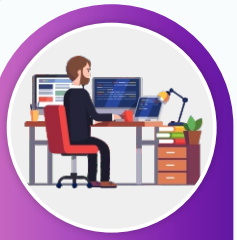
Dr. A.P.J. Abdul Kalam Technical University

All India Council for Technical Education (AICTE)

B.Tech.

4 Years
Full Time Degree Program

Bachelor of Technology



Computer Science & Engineering

Seats: 180

Computer Science & Engineering (AI & ML)

Seats: 120

Electronics & Communication Engineering

Seats: 30

Mechanical Engineering

Seats: 30

About The Institute

HLM Group was established in 2005 by renowned businessman Mr. Sunil Miglani, CMD Migsun, in the name of his beloved father Late Shri Harbans Lal Miglani Ji (HLM).

The Group was founded, inspired by the great ancient Indian Education System, to produce ace professionals capable of taking on today's ultra competitive environment and catalyzing change.

Responding to the need of Industry Ready and Technology Driven approach to pedagogy, the foundation of HLM Group was laid in 2004 under the aegis of HLM Educational Society - a registered body with Registration No. 856, under The Society Registration Act, 1860. The Group started with two courses, today has expanded to 20+ Courses, 6 institutes and 15000+ Alumni Courses, 6 institutes and 15000+ Alumni.

Why HLM Should be an Apex Choice For B.Tech Program?

The Bachelor of Technology (B.Tech) program at HLM Group of Institutions offers a solid foundation in engineering principles, hands-on technical training, and excellent career support — making it an ideal choice for aspiring engineers.

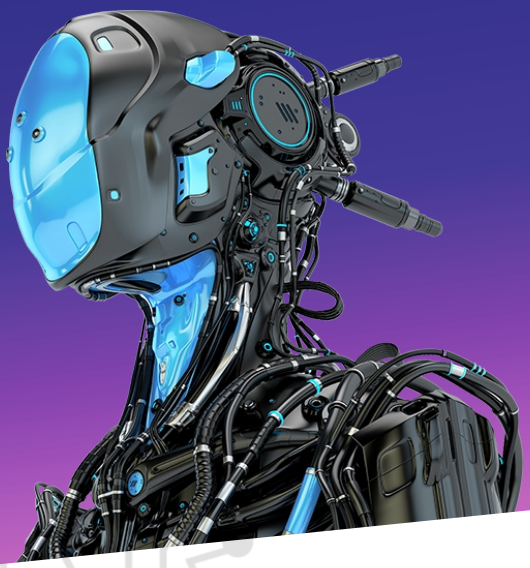
- **AICTE - Approved & Affiliated to Recognized University**
  - HLM's B.Tech. program is approved by AICTE and affiliated with Dr. A.P.J. Abdul Kalam Technical University (AKTU), ensuring academic credibility and standardization.
- **Specialized Engineering Streams**
  - Computer Science & Engineering (CSE)
  - Mechanical Engineering
  - Electronics & Communication Engineering
  - Artificial Intelligence and Machine Learning (AI & ML)
- **Modern Infrastructure & Labs**
  - Well-equipped laboratories for practical training
  - Smart classrooms and digital learning platforms
  - 24/7 internet access, robotics labs, AI/ML Labs and project labs
- **Experienced Faculty**
  - Learn from highly experienced academicians & industry experts from prestigious institutions like:IIT–Madras, JNU–Delhi, DTU–Delhi, IIT–BHU, MNNIT–Allahabad, Anna University–Chennai & more Bringing world-class teaching, industry exposure & research-driven learning to empower future leaders.
- **Industry Exposure**
  - Regular industrial visits & guest lectures, along with Startup/incubation support
  - Workshops, coding contests, and hands-on projects in collaboration with companies.
  - Visit Russian House & Introduce with Astronaut
- **Placement Assistance**
  - Dedicated Training & Placement Cell with ties to reputed companies
  - Regular campus placement drives, aptitude training, mock interviews
- **Soft Skills & Leadership Training**
  - Communication, personality development, entrepreneurship sessions
  - Foreign language training or coding bootcamps
- **Taking Education Beyond Borders**
  - MoUs with universities of **UK, Malaysia, Philippines, Singapore** & **Indonesia** for **student exchange, global interaction** & **guaranteed internships.**
- **Mou Signed with IIT Roorkee**

What is AI/ML?

Artificial Intelligence (AI) is the science of creating machines that can mimic human intelligence — think reasoning, learning, problem-solving, and even creativity.

Machine Learning (ML) is a subset of AI focused on algorithms that allow computers to learn from data and improve over time without being explicitly programmed.

AI/ML applications are everywhere: recommendation engines (Netflix, YouTube), virtual assistants (Siri, Alexa), autonomous vehicles, fraud detection systems, and even real-time language translation.



How to Start with AI/ML

For students or professionals curious about entering the AI/ML space, here's a simple roadmap:

Learn Python: It's the most popular language for ML due to its readability and libraries like NumPy, pandas, and Tensor Flow.

Understand Math: Linear algebra, statistics, and calculus are foundational for algorithm development.

Study ML Concepts: Supervised learning, unsupervised learning, deep learning, and reinforcement learning.

Build Projects: Apply your knowledge through real data sets. Kaggle and GitHub are great platforms to showcase your work.

Stay Updated: Follow top conferences like NeurIPS, CVPR, and ICML.

Current Trends in AI/ML

Generative AI: Models like GPT-4, Claude, and Gemini are capable of producing human-like text, images, and even code. These tools are transforming content creation, programming, marketing, and education.

AI in Healthcare: AI-driven diagnostics, personalized medicine, and robotic surgery are enhancing the accuracy and efficiency of medical care.

Edge AI: With increasing demand for real-time processing, AI is moving from cloud to edge — enabling smart devices like cameras and wearables to process data locally with minimal latency.

Responsible AI & Ethics: Bias, fairness, transparency, and privacy are becoming central concerns as AI systems increasingly impact human lives. The push for explainable AI (XAI) and regulatory frameworks (like the EU AI Act) reflects this.

Computer Science & Engineering (CSE)?

The Computer Science & Engineering (CSE) program at HLM Group of Institutions is designed to develop skilled professionals who can innovate, design, and manage modern computing systems. The program integrates strong theoretical foundations with hands-on practical learning to prepare students for the fast-evolving world of technology.

Eligibility: Passed 10+2 with Physics and Mathematics as compulsory subjects. **(SC/ST-40%)** or **(OBC/GER-45%)**

As per AICTE / University norms

How to Start with CSE

Begin with easy and popular languages like:

Python **C / C++** **Java**

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Understand Core Concepts

- Focus on fundamental CSE subjects:
- Data Structures & Algorithms (DSA)
- Operating Systems
- Database Management Systems (DBMS)
- Computer Networks
- Software Engineering

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Explore Trending Technologies

- Artificial Intelligence (AI)
- Machine Learning (ML)
- Data Science
- Cyber Security
- Cloud Computing
- Web & App Development

Future-Ready Curriculum

- Core subjects: Data Structures, Algorithms, Operating Systems, DBMS, Networks
- Advanced modules: Artificial Intelligence, Machine Learning, Cloud Computing, Cybersecurity, Blockchain Technology and IoT
- Hands-on coding in languages like Python, Java, C++, and frameworks like React, Node.js, Mongo db etc.

Mechanical Engineering – Why It's a Good Choice

Mechanical Engineering is one of the most versatile and evergreen branches of engineering. At HLM, the curriculum focuses on real-world skills and technologies such as:

Machine Design, Thermodynamics & Heat Transfer

Fluid Mechanics, Manufacturing Technology

CAD/CAM and Robotics & Automation

This prepares students for careers in automobile, manufacturing, aerospace, energy, and robotics sectors — industries with broad career paths.

Electronics & Communication Engineering (ECE) – Why Students Pick It

ECE focuses on electronics hardware, communication systems and digital technologies, including:

Embedded Systems, Wireless Communication (4G/5G and beyond)

Microprocessors & Micro controllers

IoT, VLSI Design, Signals & Systems

These areas are important for careers in telecommunications, consumer electronics, IoT, automation and semiconductor industries — fields that are growing rapidly.

If you like working on smart devices, communications networks, and embedded systems, ECE offers future-oriented opportunities.

MOST ADVANCED AND FUTURE-FOCUSED ELEMENTS BEING ADDED TO MODERN B.TECH ME & ECE COURSE IN HLM

- AI & Machine Learning in Mechanical Engineering
- Digital Twin & Simulation Technologies
- Advanced Manufacturing (3D Printing / Additive Manufacturing).
- Industry 4.0: Robotics, Automation & IoT
- Sustainability & Green Engineering
- Advanced Materials & Nano Technology
- Augmented Reality (AR) & Virtual Reality (VR)
- Data Analytics & Smart Systems

Modern B.Tech Mechanical Engineering courses aren't just about:

✓ Thermodynamics ✓ Fluid Mechanics ✓ Machine Design

They're now also about:

AI-assisted design & optimization
Smart manufacturing & robotics
Sustainable engineering solutions
Advanced simulation & digital twins
Connected systems (IoT, sensor networks)

This makes graduates more industry-ready for future jobs, especially in sectors like aerospace, automotive, renewable energy, smart factories, and advanced materials R&D.

- Next-Generation Wireless & 6G
- Internet of Things (IoT) & Cyber-Physical Systems
- AI & Machine Learning in Electronics
- Advanced VLSI & Semiconductor Technologies
- Embedded Systems & Edge Computing
- Satellite Communication & Global Networks
- Quantum, Neuromorphic & Advanced Compute Systems
- Cyber security & Communication Safety
- Green & Sustainable Electronics
- Project-Based & Interdisciplinary Learning

Modern B.Tech ECE is no longer just about basic electronics and circuits — it's evolving into a broad, tech-intensive engineering program that includes:

✓ Next-generation communication (5G/6G)
✓ AI + IoT + Edge computing integration
✓ Advanced semiconductor and VLSI design
✓ Cybersecurity for connected devices
✓ Satellite & global network engineering
✓ Quantum and neuromorphic computing foundations

This evolution places ECE engineers at the heart of future technologies — spanning smart tech, autonomous systems, telecommunications, advanced hardware, and AI-enabled solutions.

Value Added Certification

- PYTHON
- ARTIFICIAL INTELLIGENCE
- MACHINE LEARNING
- GOOGLE CLOUD
- JAVA
- THREAT ANALYSIS
- NETWORK ENGINEER
- DATABASE ADMINISTRATOR
- DATA VISUALIZATION
- NETWORK SECURITY

CELEBRITIES @HLM

Yo Yo Honey Singh

Akhil Sachdeva

King Rocco

Maninder Buttar

Madhur Sharma

Build. Innovate. Transform with Technology.

Our Recruiters

Collabera, webtel, genpact, accenture, HAVELLS, SAMSUNG, Reliance digital, cognizant, CSC, R SYSTEMS, Infosys, wipro, Paytm, TRCK Production ERP, BRISK, TATA, flipkart.com, amazon, indiamart, Qualsoft, SAFEXPRESS, HCL, TECH mahindra, IBM

COURSES OFFERED

B.TECH | MCA | MBA | BBA | BCA | B.COM | M.COM | B.A | BA-LL.B | LL.B

B.Sc. | M. P.ED | B.P.ED | B.P.E.S | B.LIB.I.Sc | ANM | GNM | M.Ed. | B.Ed.

PG DIPLOMA in CYBER CRIME & LAWS

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