CHANAKYA UNIVERSITY
Rooted in ideals • Ascending with ideas

School of Engineering

Shaping Engineers

for a

Future Unseen

Building Engineering Scholarship for the Technologies of Tomorrow.

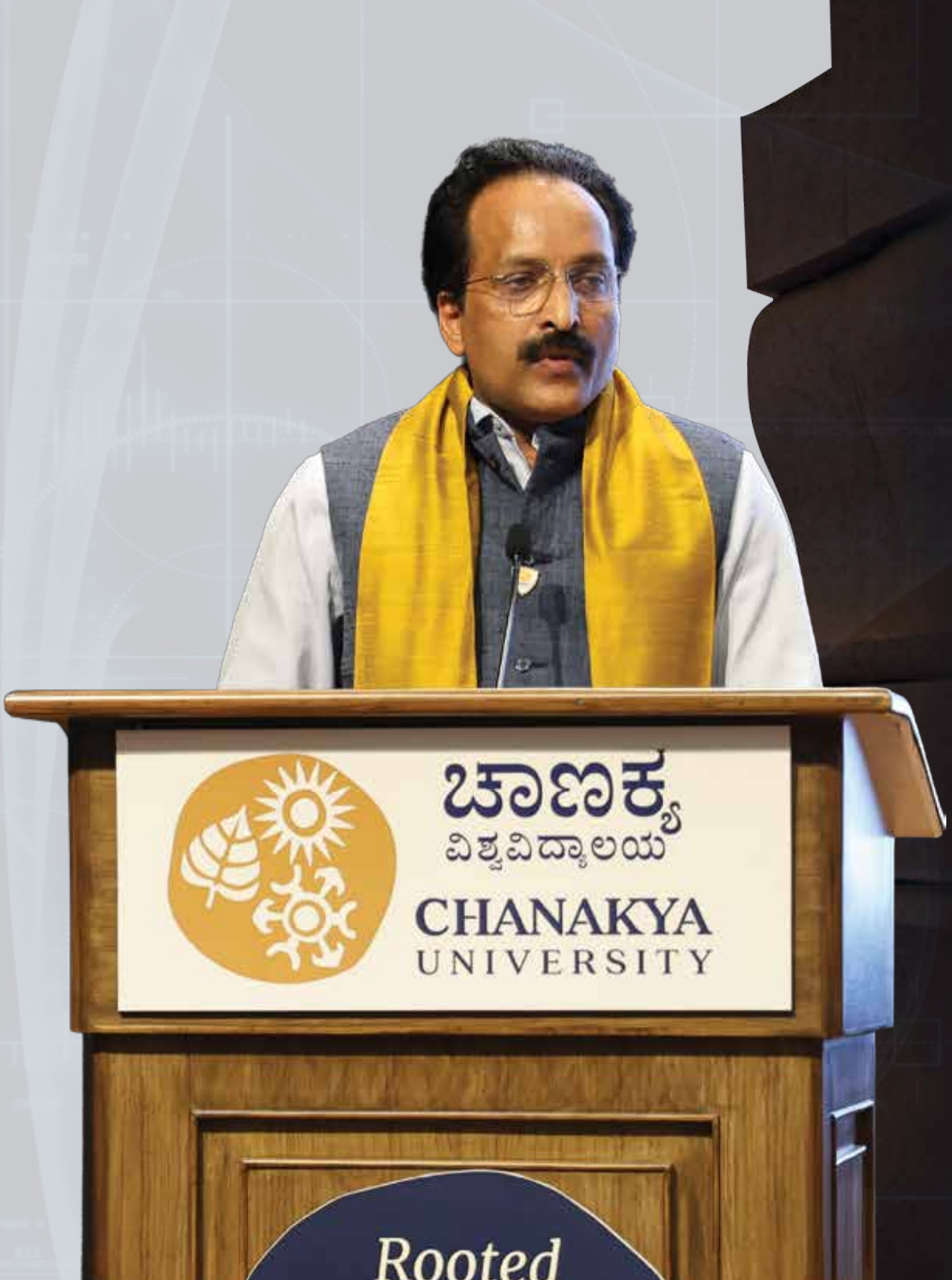
B.Tech. | B.C.A. | M.Tech. | M.C.A. | PhD







2026-27



From the Chancellor's Desk:

Engineering is entering a defining era: one shaped not by a single field, but by the convergence of many. It is becoming increasingly clear that the future of technology will belong to those who can work fluently across AI, systems design, and advanced manufacturing.

Although the depth of knowledge will continue to matter, the engineers who lead the next transition will be those who pair expertise with interdisciplinary learning and hands-on experimentation.

In essence, engineering is returning to its foundation: problem-solving for the real world. The tools and technologies are changing rapidly, but the purpose remains constant: to build solutions that improve lives and advance society.

In this spirit, I look forward to seeing our students grow into builders of solutions and leaders of responsible innovation. You are also warmly welcomed to join this journey.

With warm regards,

Dr. S. Somanath

Chancellor, Chanakya University, Former Chairman, ISRO

About the University

Chanakya University is situated in the Bengaluru Aerospace Industrial Zone, a location chosen with intention. This is to provide students with an ecosystem of industry-aligned learning and contribute to the latest research.

On its 116-acre global campus, the University is envisioned to provide education and promote research in multiple disciplines, including engineering, sciences, business, humanities, law, public policy, and more.

Instead of keeping these fields separate, students are encouraged to learn across them and apply knowledge from one area to solve problems in another. This is what we refer to as transdisciplinary learning.

It means that an engineer can learn economics and design, a business student can understand data and technology, and a humanities student can explore psychology and public policy. The intent is clear: to allow students to customise their professional pathways as per their evolving knowledge and industry needs.

Our aim is straightforward: to support young minds in becoming capable professionals, ready to create secure futures for themselves and make meaningful contributions to society.

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3X Grammy Award Winner &
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Brand Guru & Founder
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Co-Founder
Centre for Film & Drama

Sri S.V. Ranganath
Former Chief Secretary
Government of Karnataka

School of Engineering

The School of Engineering at Chanakya University is not an assembly line for degrees – it is a forge. We shape engineers with **precision of thought, sharpness of skill, and strength of character.** Our approach is uncompromising: Depth over memorization. Understanding over shortcuts. Impact over grades.

True engineering, as we define it, goes beyond circuits, code, and machines – it is the ability to **solve problems that matter** and to drive progress. We expect our students to think boldly, challenge assumptions, and design solutions that withstand real-world complexity.

Our partnerships with leading research centers, space agencies, and global companies are not for show – they are **working pipelines to serious work,** serious challenges, and serious responsibility. Students learn by **building, testing, failing, refining, and delivering.**

We are developing engineers who are:

- *Visionaries, not followers*
- *Creators, not consumers*
- *Leaders, not spectators*

Grounded in the values of **Knowledge (Jñāna), Will (Icchā), and Action (Kriyā),** the School of Engineering is preparing individuals who **will shape India's technological future — not watch it happen.**


cadence
MARVEL

From the Desk of
Director (Academics), School of Engineering

Engineering, at its core, is not the accumulation of formulas or the mastery of tools. It is the disciplined practice of problem-solving: understanding constraints and working with imperfect information to design solutions that function in the real world. Every programme offered by the School of Engineering is built around this central idea.

Our undergraduate and postgraduate offerings span computing, artificial intelligence, electronics, electrical systems, mechanical and aerospace engineering, civil infrastructure, robotics, geoinformatics, and advanced computing. While these domains appear diverse, they are united by a common pedagogic philosophy: learning by doing.

Students do not encounter engineering as a set of abstract theories divorced from application. From the early semesters, they work with real datasets, physical systems, software stacks, laboratory instruments, and design constraints. Whether it is writing code to analyse data, designing a chip, modelling a structure, automating a robotic system, or interpreting satellite imagery, learning is anchored in execution.

Problem-solving is treated as a method, not an outcome. Students are trained to break down complex challenges, identify trade-offs, test assumptions, iterate designs, and validate results. This approach cuts across disciplines: software engineers learn system thinking, electronics students learn computational reasoning, civil engineers work with data and simulations, and biotechnology students integrate biological insight with engineering design.

Postgraduate programmes extend this philosophy into advanced domains. M.Tech. and M.C.A. students engage with specialised tools, applied research problems, and industry-aligned projects that demand depth and rigour. The emphasis is not only on knowing what is possible, but on understanding what works and why.

Equally important is exposure. Students learn in classrooms, laboratories, field settings, studios, and project spaces while interacting with practitioners and are encouraged to think beyond silos.

We aim to graduate engineers who are not merely qualified, but capable: individuals who can think critically, adapt quickly, and apply their knowledge to real challenges across technology, infrastructure, industry, and society.

This is engineering as it should be taught: rigorous and relentlessly practical.

Prof. Shobana Padmanabhan

Director (Academics), School of Engineering

Philosophy @ Chanakya

Out of every 100 hours a student invests in their learning journey at the School of Engineering, the distribution of effort and exposure is envisioned as:

āchāryāt pādamādatte, pādam śiṣyah swamedhayā | pādam sabrahmachāribhyah, pādam kālakrameṇa ca

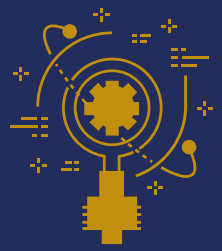
The whole is bigger than sum of its parts

Unlocking potential, Expanding possibilities.

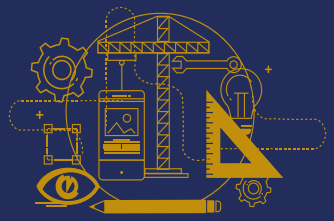
1/4	1/4	1/4	1/4
from Teacher	from Self - Study	from Team Project & Team study	from Internship & Experiential Learning

Six Chanakya Student

Outcomes as per ABET

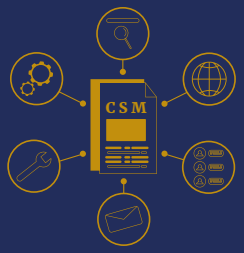


Ability to solve real time problems using scientific approaches.

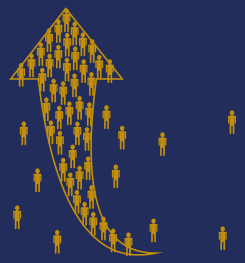


Ability to develop multiple solutions using interdisciplinary engineering design and advanced mechanics.

Ability to work in a team in a planned program and communicate the results effectively with various audiences.



Ability to synthesize information from multiple disciplines and analyze problems in depth.



Ability to serve society beyond their engineering knowledge and classroom learning.

Ability to learn, acquire and apply new knowledge as needed, and strategies.

State-of-the-art Infrastructure

Ansys simulation tools enable students across mechanical, aerospace, electronics, and robotics programs to analyse real-world engineering systems with precision. Integrated into coursework and projects such as Formula Bharat and drone development, it strengthens problem-solving abilities and aligns with industry practices through collaborations involving advanced design and simulation workflows.

Tools available - Fluent (CFD), Mechanical (FEA), HFSS (Electromagnetics), Maxwell (Electromagnetic field simulation), LS-DYNA (Explicit dynamics), Icepak (Thermal analysis), Discovery (Real-time simulation), Twin Builder (Digital twins).

cadence

Cadence tools support VLSI, embedded systems, and electronics programs by providing industry-grade platforms for chip design and verification. Students gain hands-on exposure aligned with semiconductor industry standards, contributing to research in electronics and enabling outcomes in system-level design and interdisciplinary innovation.

Tools available - Virtuoso (Custom IC design), Spectre (Circuit simulation), Innovus (Digital implementation), Genus (Synthesis), Allegro (PCB design), OrCAD (PCB design suite), Tempus (Timing analysis), Xcelium (Verification)

MATLAB serves as a foundational computational platform across engineering disciplines, supporting data analysis, algorithm development, and system modelling. It is extensively used in AI, geoinformatics, and mobility research, enabling students to develop analytical thinking and apply mathematical concepts to real-world engineering challenges.

Tools available - Simulink (Model-based design), Control System Toolbox, Signal Processing Toolbox, Image Processing Toolbox, Deep Learning Toolbox, Communications Toolbox, Satellite Communication Toolbox, Optimization Toolbox, Simscape (Physical system modelling).

The 3DEXPERIENCE platform integrates design, simulation, and product lifecycle management, supporting multidisciplinary engineering education.

Through industry collaborations such as those with EDS Technologies, students engage in collaborative design environments, contributing to projects like electric vehicles and advanced mechanical systems.

Tools available - CATIA (Design & CAD), SIMULIA (Simulation), DELMIA (Manufacturing & production), ENOVIA (Product lifecycle management), BIOVIA (Scientific simulation), NETVIBES (Data analytics)

Ground Station

The ground station facility provides hands-on exposure to satellite communication, telemetry, tracking, and command (TTC) systems. Closely aligned with space research initiatives and collaborations such as those with IN-SPACe and Ananth Technologies, it enables students to actively contribute to projects like ChanakyaSAT and develop expertise in aerospace systems.

Ideation and Design Thinking Lab (Makers Space)

The makers space fosters innovation from the first year, enabling students to translate ideas into functional prototypes.

Equipped with 3D printers and benchtop fabrication tools, it supports early-stage design thinking, interdisciplinary collaboration, and student-driven projects such as drones and electric vehicles, reinforcing experiential learning and creativity.

High Performance Computing (HPC)

The HPC facility provides the computational backbone for advanced simulations, AI model training, and large-scale data analysis. It supports research in artificial intelligence, algorithm design, and geoinformatics, enabling students to work on complex, computation-intensive problems aligned with emerging industry and research demands.

Manufacturing Lab

The manufacturing lab offers hands-on experience with CNC milling, CNC turning, and laser cutting technologies, bridging design and production. Students gain practical exposure to modern manufacturing processes essential for mechanical, aerospace, and mobility programs, directly supporting projects like Formula Bharat and enabling a strong understanding of engineering realization.

Wind Tunnel and Dynamics Lab

The wind tunnel and dynamics lab enables experimental analysis of aerodynamic behaviour and fluid dynamics. It plays a crucial role in aerospace and automotive projects, allowing students to validate simulations, test prototypes, and develop a deeper understanding of real-world performance in applications such as racing vehicles and UAV systems.

Engineering Labs (Computer Science, Electrical, and Mechanical Sciences)

Dedicated engineering laboratories provide comprehensive hands-on learning across core disciplines.

These labs support programming with over 450 computers, circuit design, embedded systems, and mechanical experimentation, ensuring strong foundational skills.

They are integral to achieving student outcomes related to problem-solving, teamwork, and interdisciplinary design, while also supporting research initiatives and industry-relevant skill development.

Our Offerings

B.C.A. (Hons.)

Specialisation in Data Science

This programme builds strong foundations in computer programming, databases, statistics, and mathematics, with advanced training in data analytics, machine learning, data visualisation, and predictive modelling. Students work on real datasets using Python, SQL, and analytical tools, preparing for roles in data analysis, business intelligence, and technology-driven decision-making.

B.Tech.

Computer Science & Engineering

This programme provides comprehensive training in software engineering, algorithms, operating systems, databases, networks, and cloud computing. Emphasis is placed on system design, coding practices, and problem-solving, preparing graduates to develop, deploy, and manage complex software systems across technology-driven industries.

B.Tech.

Computer Science & Artificial Intelligence

A rigorous engineering programme integrating core computer science with artificial intelligence technologies such as machine learning, deep learning, natural language processing, and computer vision. Students gain expertise in algorithms, data structures, and AI system design, enabling them to build intelligent, scalable solutions for industry, research, and emerging digital platforms.

B.Tech.

Electrical Engineering & Computer Science

An interdisciplinary programme combining electrical engineering fundamentals with computer science and programming. Students study power systems, control theory, embedded systems, and software integration, preparing them to design and manage cyber-physical systems, automation technologies, and intelligent electrical infrastructures.

B.Tech.

Electronics Engineering (VLSI & Embedded Systems)

Designed for careers in semiconductor and hardware industries, this programme focuses on VLSI design, digital and analog circuits, ASIC and FPGA development, and embedded system programming. Graduates gain hands-on experience in chip-level design and electronics product development.

B.Tech.

Electronics & Communication Engineering

An interdisciplinary programme combining electrical engineering fundamentals with computer science and programming. Students study power systems, control theory, embedded systems, and software integration, preparing them to design and manage cyber-physical systems, automation technologies, and intelligent electrical infrastructures.

B.Tech.
Mechanical & Aerospace Engineering

An integrated programme that combines mechanical engineering principles with aerospace applications. Students study mechanics, materials, thermodynamics, aerodynamics, propulsion, and structural analysis, preparing them for advanced engineering roles in manufacturing, aerospace, defence, and high-technology industries.

B.Tech.
Biotechnology & Bioengineering

This programme integrates biological sciences with engineering concepts, covering molecular biology, bioprocess engineering, bioinformatics, and biomedical technologies. Graduates are prepared for roles in pharmaceuticals, healthcare, industrial biotechnology, research laboratories, and life sciences innovation.

B.Tech.
Civil Engineering

This programme covers structural engineering, geotechnical engineering, transportation systems, environmental engineering, and construction management. Students are trained to design, analyse, and execute infrastructure projects using modern engineering software, sustainability principles, and industry-relevant practices.

B.Tech.
Robotics & Automation

A technology-intensive programme covering robotics design, sensors, control systems, artificial intelligence, and industrial automation. Students develop autonomous systems and intelligent machines for applications in manufacturing, logistics, healthcare, mobility, and smart infrastructure.

M.C.A.

(Specialisation in Data Science | Cyber Security)

A postgraduate computing programme offering focused specialisation in either data science or cyber security. The curriculum covers advanced software development, machine learning, cryptography, network security, and enterprise systems, preparing graduates for high-responsibility roles in technology and digital security domains.

M.Tech.

Geoinformatics

An advanced programme focused on geospatial technologies, including GIS, remote sensing, spatial analytics, and geospatial modelling. Graduates develop expertise to address complex challenges in urban planning, environmental monitoring, disaster management, and location-based intelligence systems.

M.Tech.

Aerospace Engineering

This programme offers advanced study in aerodynamics, propulsion, flight mechanics, aerospace structures, and computational analysis. Designed for engineers seeking specialised expertise, it prepares graduates for research, design, and development roles in aerospace, defence, and space technology sectors.

Eligibility Criteria

B.C.A. (Hons.)

Specialisation in Data Science

- Pass the (10+2) examination from State Board / CBSE / NIOS / IGCSE/ IB / ICSE recognized by the State or Central Government.
- 70% aggregate marks in the pre-university examination
- 65% PCM(across 60%)

M.C.A.

Specialisation in Data Science & Cyber Security

- BCA/ Bachelor Degree in Computer Science Engineering or equivalent degree or B.Sc./ B.Com./ B.A. with Mathematics at l0+2 Level or at Graduation Level (with additional bridge courses as per the norms of the concerned University).
- Need to clear the CUPP entrance exam with above 50% score.
- 60% aggregate marks in the undergraduate examinations.

B.Tech.

- Minimum of 65% in Mathematics, Physics, and Chemistry (individually).
- At least 60% aggregate in PUC/12th or an equivalent examination from a recognized board.
- Valid score in JEE , KCET, COMEDK or any other state entrance exam.

M.Tech. Geoinformatics

- B.Tech./B.E. equivalent in Civil Engineering / Computer Science / allied branches or M.Sc./M.Tech. or equivalent in Geology / Geophysics / Earth Sciences / allied branches or Master's Degree in Geography with 10+2 in Science with an aggregate of 60%
- Valid score in GATE , PGCET or any other state entrance exam.

M.Tech. Aero Space Engineering

- B.Tech./B.E. degree in Mechanical / Aeronautical / Aerospace / allied branches or B.Sc. (Hons.) in Aeropace with an aggregate of 60%.
- Valid score in GATE , PGCET or any other state entrance exam.

BCA (Data Science)

Programme Overview

Undergraduate programme focused on programming, statistics, and analytics to prepare datasavvy professionals from day one.

The Chanakya Edge

- Python, R, SQL, Power BI, Tableau projects.
- Excel to ML: pipeline-based learning.
- Career support and certification integration.

Programme Outcomes

- Analyze data trends and patterns.
- Build dashboards and ML prediction models.

Career Pathways

Data Analyst, Business Analyst, Entry-level Data Scientist, ML Ops Engineer.

B.Tech in Computer Science and Engineering

Programme Overview

Equips students with computing foundations - programming, data structures, algorithms, OS, and cloud systems - while enabling AI, DevOps, and system design specializations.

The Chanakya Edge

- Hands-on coding studios, codeathons, peer programming.
- Cloud-native development tools and DevOps training.
- Weekly career cells and live tech project mentorship.
- Faculty with startup + research lab exposure.

Programme Outcomes

- Build scalable software systems.
- Solve real-world challenges with algorithms and code.
- Work in agile teams and communicate effectively.
- Demonstrate lifelong learning in emerging tech.

Career Pathways

Software Developer, Cloud Engineer, System Architect, Backend Specialist, Product Developer.

B.Tech in Computer Science and Artificial Intelligence

Programme Overview

Focuses on computing + AI - machine learning, neural networks, computer vision, natural language processing - with social, ethical, and cognitive understanding.

The Chanakya Edge

- LLM playgrounds, explainable AI labs.
- Projects on healthcare, agritech, language tech.
- Faculty from AI labs at IISc, IITs, and abroad.
- Joint research with ethics, policy, and cognitive science.

Programme Outcomes

- Implement and evaluate ML models.
- Analyze and deploy real-world AI systems.
- Communicate insights using AI responsibly.
- Conduct research or startup in applied AI.
- Career Pathways

Career Pathways

ML Engineer, AI Researcher, Cognitive Tech Developer, NLP Scientist, AI Product Owner.

B.Tech in Electrical Engineering and Computer Science

Programme Overview

Merges power systems, electronics, and computing for automation, smart energy, control, and embedded innovation.

The Chanakya Edge

- Embedded and RTOS labs.
- Projects on smart grids and energy AI.
- Power electronics and digital control toolchains.
- Strong faculty in hybrid computing and real-time systems.

Programme Outcomes

- Build embedded systems for automation.
- Develop control logic for smart systems.
- Interface computing with physical systems.

Career Pathways

Embedded Engineer, Energy Systems Analyst, Power Automation Developer, Industrial Control Engineer.

B.Tech in Electronics Engineering (VLSI and Embedded Systems)

Programme Overview

Trains in digital design, SoC, ASIC/FPGA systems, and embedded C — India's core chip workforce of the future.

The Chanakya Edge

- RTL, SystemVerilog, and timing-driven design projects.
- Advanced PCB and SoC layout studio.
- Live debugging + embedded prototyping.

Programme Outcomes

- Design and simulate integrated circuits.
- Program microcontrollers for critical systems.

Career Pathways

VLSI Engineer, RTL Designer, Embedded Firmware Developer, SoC Verifier.

B.Tech in Electronics and Communication Engineering

Programme Overview

Communication systems engineering — signals, analog/digital comm, IoT, RF, antennas, and 5G.

The Chanakya Edge

- SDR, antenna, and IoT labs.
- Communication stacks and signal decoding projects.
- DSP + edge AI enabled systems.

Programme Outcomes

- Design 5G/IoT systems.
- Analyze and decode signal data.

Career Pathways

Telecom Engineer, DSP Developer, IoT Protocol Engineer, RF Circuit Designer.

B.Tech in Mechanical and Aerospace Engineering

Programme Overview

Focus on design, dynamics, thermodynamics, aerodynamics, and simulation in aerospace systems. Hands-on labs and research in propulsion, drones, and structural analysis.

The Chanakya Edge

- CFD, CAD/CAM, propulsion labs.
- Drone design + satellite modelling projects.
- Faculty from aerospace labs and research institutions.

Programme Outcomes

- Design propulsion and aerodynamic models.
- Analyze mechanical structures using tools.

Career Pathways

CFD Analyst, Aerospace Engineer, Simulation Expert, UAV Developer, RD Engineer (ISRO, DRDO).

B.Tech in Civil Engineering

Programme Overview

Covers structures, geotech, transportation, and environmental systems. Emphasis on green buildings, sustainability, and smart city planning.

The Chanakya Edge

- Labs in surveying, materials, fluid mechanics.
- GIS and BIM tools integrated with design.
- Field visits and infrastructure case studies.

Programme Outcomes

- Design and evaluate civil projects.
- Use GIS, AutoCAD, and simulation tools.

Career Pathways

Structural Engineer, Urban Planner, BIM Consultant, Transportation Analyst.

B.Tech in Robotics and Artificial Intelligence

Programme Overview

Mechatronics, control systems, machine learning, and automation merged into a unified robotics and AI framework.

The Chanakya Edge

- Robot arms, drone labs, ROS, Arduino, NVIDIA Jetson kits.
- ML + embedded AI integration in real-time.
- Project-based learning from Year 1.

Programme Outcomes

- Deploy robots using control and AI.
- Integrate perception and motion planning.

Career Pathways

Robotics Engineer, Autonomous Systems Developer, Embedded AI Designer.

B.Tech in Biotechnology and Bioengineering

Programme Overview

Combines biology, computation, chemical engineering, and bio-instrumentation to solve health, environment, and food challenges.

The Chanakya Edge

- Wet lab + molecular biology toolkits.
- Synthetic biology and bioinformatics.
- Health innovation labs and startup exposure.

Programme Outcomes

- Model and analyze bio-process systems.
- Apply molecular tools for design.

Career Pathways

Biotech RD, Genomics, Healthcare Innovation, Bioanalytics, MedTech.

Master of Computer Applications (M.C.A)

Programme Overview

Postgraduate programme in advanced software design, system development, analytics, and AI readiness. Tailored for high-growth IT careers.

The Chanakya Edge

- Full-stack and backend projects.
- Electives in cloud, AI, UI/UX, DevOps.
- Internship/Capstone from Year 2 onwards.

Programme Outcomes

- Build, test, and deploy applications across domains.
- Understand secure and ethical software practice.

Career Pathways

Software Developer, Analyst, Cloud Architect, UI/UX Designer, CTO Track.

M.Tech in Geoinformatics

Programme Overview

Merges geospatial science with IT to address urban planning, disaster management, climate mapping, and resource monitoring using GIS, remote sensing, and AI.

The Chanakya Edge

- Satellite imagery, LIDAR, GIS, and AI labs.
- Field applications and cross-disciplinary training.
- Open-source tools and cloud geodata integration.

Programme Outcomes

- Analyze terrain and environmental datasets.
- Develop spatial models for planning and monitoring.

Career Pathways

GIS Scientist, Remote Sensing Analyst, Urban Geodata Expert, Government Advisor.

M.Tech in Aero Space Engineering

Programme Overview

Advanced education in aerodynamics, propulsion, structures, CFD, and space systems. Researchfocused curriculum integrated with ISRO-aligned projects.

The Chanakya Edge

- Propulsion lab + satellite design case studies.
- Internships with DRDO/ISRO ecosystem.
- Industry co-taught electives on UAVs and aerostructures.

Programme Outcomes

- Solve real-world design challenges.
- Work on simulations, testing, and modelling of air/space systems.

Career Pathways

RD Engineer (ISRO, DRDO), CFD Analyst, UAV Systems Lead, Aerospace Consultant.

Faculty

The School of Engineering faculty comprises accomplished academicians, industry experts, and researchers who integrate rigorous theory with hands-on practice, interdisciplinary research, and industry-aligned teaching to address contemporary engineering challenges.

Prof. Shobana Padmanabhan
Ph.D., Washington University

Assoc. Prof. Bharath Setturu
Ph.D., IIIT Hyderabad; Post-doc, IISc Bengaluru

Assoc. Prof. Rajesh Kumar Prasad
Ph.D., IIT Kanpur

Asst. Prof. Naresh Dixit P. S.
M. Tech., VTU, Belagavi

Asst. Prof. Vijay V
Ph.D., IIT Madras

Asst. Prof. Ashish Kumar Shukla
Ph.D., IIITDM Jabalpur

Asst. Prof. Shreehari H. S.
M.S., Bremen University of Applied Sciences, Germany

Asst. Prof. Banashankari Hosur
M. Tech., RVCE, Bengaluru

Asst. Prof. Amogh S Raj
M.Sc., University of Leicester United Kingdom

Prof. of Practice Pradeep Kumar Gopalakrishnan
Ph.D., NTU Singapore

Asst. Prof. Akhila C J
M.Sc., Christ University

Asst. Prof. Banu Priya M
M.Tech., Cambridge Institute of Technology

Asst. Prof. Bhagirathi T
MCA, BMS College of Engineering

Asst. Prof. Mulla Arshiya
MCA, BMS College of Engineering

Asst. Prof. Chaitra G P
M.Tech., PES University

Asst. Prof. Upkar Singh
Ph.D., IISc Bengaluru

Asst. Prof. Arun Kumar
Ph.D., IIT BHU

Asst. Prof. Nikhil S
MCA, VTU

Asst. Prof. Bhavana M
MCA, Bangalore University

Asst. Prof. Rachana K
M.Sc., Reva University

Asst. Prof. Kingshuk Chatterjee
Ph.D., IIT Kanpur

Asst. Prof. Ranjan Tiwari
Ph.D., IIT Roorkee

Asst. Prof. Rajendra Bahadur
Ph.D., IIT Delhi

Asst. Prof. Sandeep Kumar
Ph.D., IIT Delhi

Asst. Prof. Nanda Kumar R
M.Sc., University of Leicester
United Kingdom

Asst. Prof. Sahil Bharti
Ph.D., IIT Madras

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Ph.D., IIT Madras

Asst. Prof. Rashmiranjan Mohanpatra
Ph.D., IIT Hyderabad

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IISc Bengaluru

Prof. Ashok Rao
IISc Bengaluru

Prof. P. V. Venkatakrishnan
Former Director, CBPO

Dr. J B. Simha
CTO Abiba Systems

Prof. Sharath Sri Bhashyam
CTO, Intellect Select (HR Tech Venture)

Prof. P K Raghavendra

Prof. Arulalan Rajan
IISc Bengaluru

Dr. Ritesh Jain

Dr. Siddharth Rai Mahendra

Dr. Kowshik Thopalli
Visiting Faculty

Dr. Tanujay Saha
Visiting Faculty

Dr. Siddhartha Visveswara Jayanti
Visiting Faculty

Prof. Shishir Shukla
Visiting Faculty

Prof. Sandoche Balakrichenan
Visiting Faculty

Prof. Nitish Hegde
Visiting Faculty

Global Industry Internships

Asia to Genki Japan

"My international internship in Japan with Asia to Genki Co., Ltd. was a truly transformative experience. Working on a real-world GPS-based application helped me understand how technology can meaningfully connect communities and cultures. From hands-on development to exploring diverse regions and learning from industry experts, every moment shaped my perspective. I'm sincerely grateful to Chanakya University for providing such a global exposure and helping me grow both professionally and personally."

Sanay Krishna
BCA, Chanakya University

"My internship with Asia to Genki Co., Ltd in Japan was an eye-opening journey that blended technology, culture, and real-world learning. Developing a community-based application while working across diverse environments helped me see how tech can create meaningful social impact. This experience not only strengthened my technical skills but also broadened my perspective on life. I'm truly thankful to Chanakya University for enabling such a unique and enriching opportunity."

M Reagan
MCA, Chanakya University

Industry Collaborations

Ananth Technologies

- *Development of TTC Subsystem*

Pure Storage

- *Establishment of Centre of Excellence*
- *Development of flash memory storage devices*

IN-SPACe

- *Professional workshops*
- *Deployment of Earth Observatory payload*

Bullwork mobility

- *Development of Electric Vehicle*

Simple Energy

- *Battery Technology development*

EDS Technologies

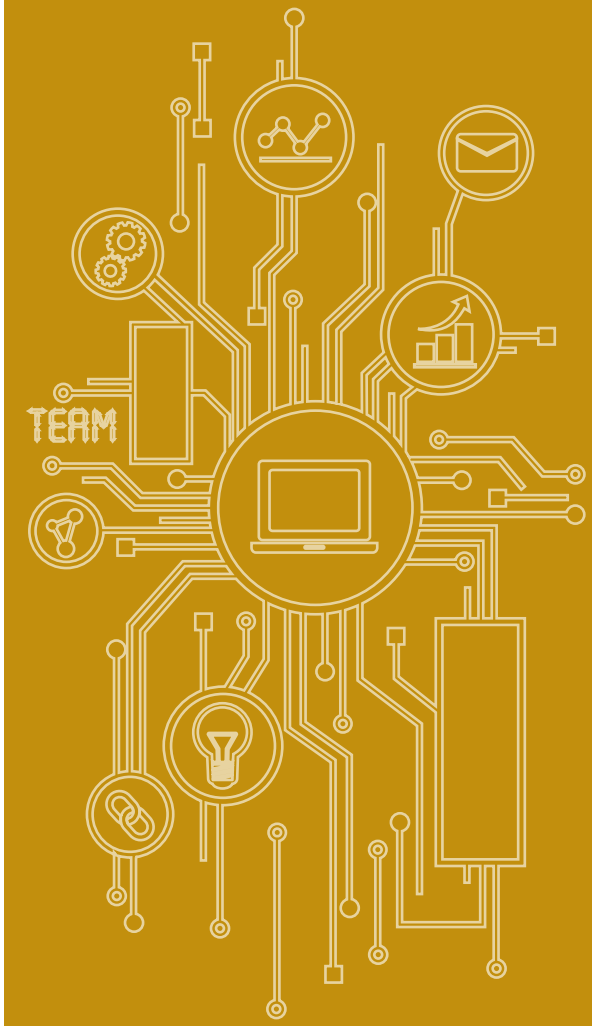
- *Usage and training with design and simulation software – 3D experience*

Cadmaxx Solutions

- *Information Technology CAD and Engineering Solutions*

Axlaron Semiconductors

GalaxEye



Industry Internships

Students Successfully Placed in Global Organisations for paid Internships with Stipends up to ₹30,000*

- ALSTOM
- SecureDApp
- Zoho Premium Partner
- INDIAN INSTITUTE OF SCIENCE IISC, BANGALORE
- TRIVK TECHNOLOGIES
- FIDROX
- Redacto
- GROWTEQ
- Tech Mahindra
- FalconFeeds.io
- cultivate

Life at Chanakya

Campus Capture

Modern Library

Equipped Gymnasiums

Sports Complex

Cricket Stadium

Comfortable Hostels

Comfort hat Supports Learning

Food Court

Indoor Sports

Tennis Court

Auditorium

Research and Development

Student Driven Projects

University-supported multidisciplinary projects that enable students to apply theory to real-world challenges through hands-on innovation.

1

ChanakyaSAT

Development of an Earth observation payload for satellite-based data acquisition.

Mentors

Shreehari H S | Amogh S Raj | Sathyamanikanta B K | Dharanidhar

2

Electric Vehicle

Development of an autonomous heavy-duty utility vehicle for sustainable mobility.

Mentors

Ashish Kumar Shukla | Kingshuk Chatterjee | Amogh S Raj | Dharanidhar

3

Formula Bharat

Design and fabrication of a high-performance formula-style racing car.

Mentors

Amogh S Raj | Naresh Dixit | Sathyamanikanta B K | Nanda Kumar R

4

Drone

Design of a semi-automated drone for short-range surveillance operations.

Mentors

Amogh S Raj | Ranjan Tiwari | Rajendra Bahadur | Sandeep Kumar | Nanda Kumar R | Rashmiranjan Mohanpatra

5

AI Focus Group

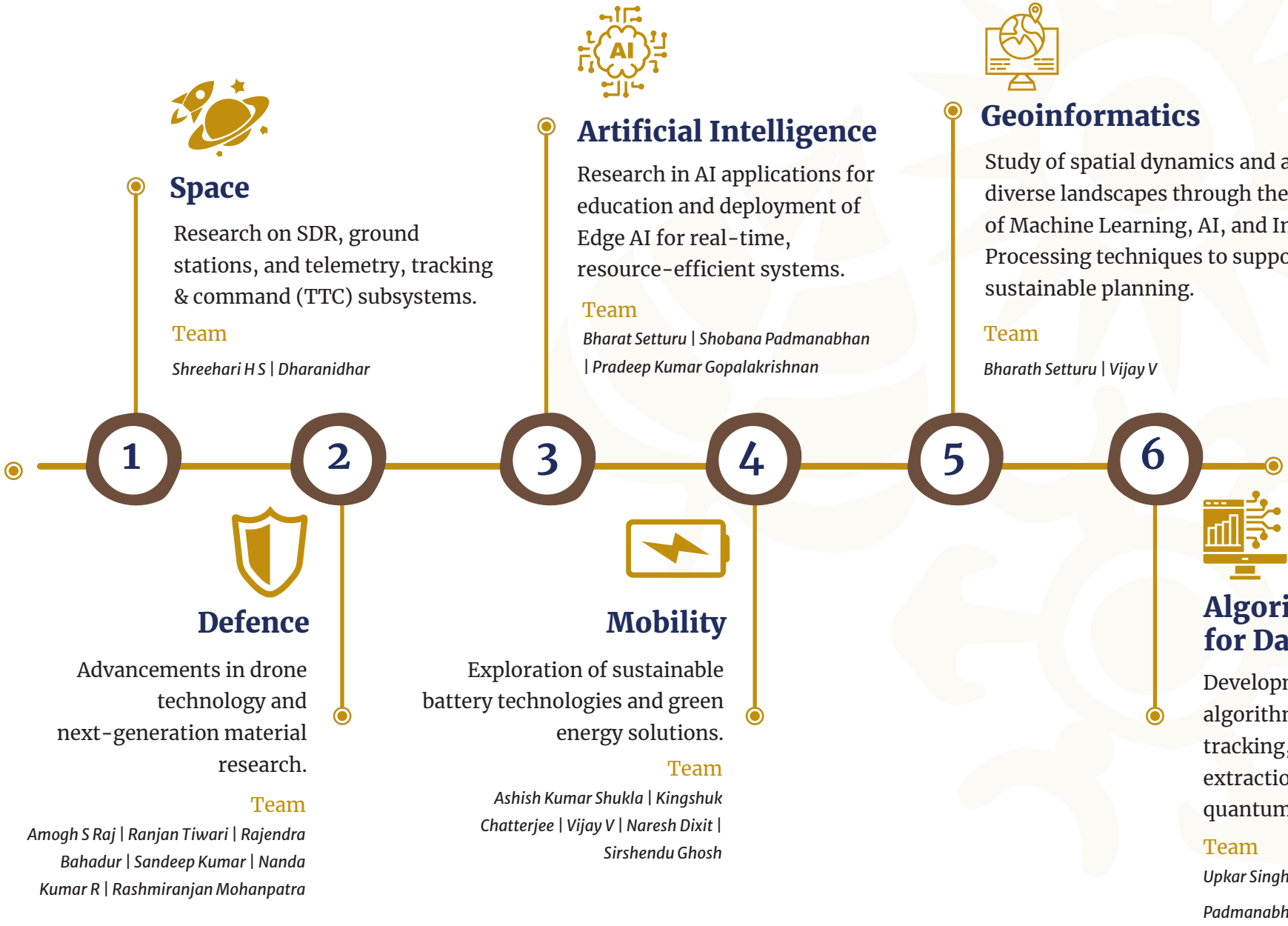
Research and development of a Small Language Model (SLM).

Mentors

Naresh Dixit | Bharat Setturu | Shobana Padmanahan | Chaitra G P | Sathyamanikanta B K

Thematic Research Areas

Focused research domains addressing emerging technological and societal needs through interdisciplinary collaboration.



1 Space

Research on SDR, ground stations, and telemetry, tracking & command (TTC) subsystems.

Team

Shreehari H S | Dharanidhar

2 Defence

Advancements in drone technology and next-generation material research.

Team

Amogh S Raj | Ranjan Tiwari | Rajendra Bahadur | Sandeep Kumar | Nanda Kumar R | Rashmiranjan Mohanpatra

3 Artificial Intelligence

Research in AI applications for education and deployment of Edge AI for real-time, resource-efficient systems.

Team

Bharat Setturu | Shobana Padmanabhan | Pradeep Kumar Gopalakrishnan

4 Mobility

Exploration of sustainable battery technologies and green energy solutions.

Team

Ashish Kumar Shukla | Kingshuk Chatterjee | Vijay V | Naresh Dixit | Sirshendu Ghosh

5 Geoinformatics

Study of spatial dynamics and analysis of diverse landscapes through the integration of Machine Learning, AI, and Image Processing techniques to support sustainable planning.

Team

Bharath Setturu | Vijay V

6 Algorithm Design for Data Analysis

Development of advanced algorithms for pollutant tracking, ocean feature extraction, and emerging quantum computing

Team

Upkar Singh | Shobana Padmanabhan

Meanwhile, at Chanakya

Engineering Project Expo

The Engineering Project Expo is where first-year students stop being spectators and start building. No borrowed slides. No textbook replicas. Teams worked from concept to prototype, defending their design decisions live. The Expo sets a tone early: here, engineering is not studied-it is practiced.

Talk on flash technology storage by Pure Storage Co-Founder

When leaders from Pure Storage walked into campus, students weren't given a lecture-they were given a glimpse of the future's backbone. From the evolution of data architectures to high-performance flash storage, the discussion cut straight to real-world scale: cloud, AI inference, hyperscale computing. And when CEO Charles H. Giancarlo himself addressed the students, the message was clear-innovation rewards those who build for tomorrow, not yesterday.

Expert Lecture: Industry 5.0- A New Paradigm for Manufacturing and Innovation

Industry 5.0 isn't about automation replacing humans-it is about machines amplifying human intelligence. Dr. Prem Kumar Ramesh's session reframed manufacturing as a collaboration between creativity and precision. Students walked away with a new understanding: the next great factories will be sustainable, adaptive, and deeply human-centered.

Field Visit Liquid Propulsion Systems Centre (LPSC), Bangalore

A team of Chanakya's students and faculty entered the same research floors that fuel India's space missions. At LPSC, propulsion wasn't theory-it was hardware, diagnostics, manufacturing tolerances, and national ambition under one roof. The visit didn't just inspire. It sharpened purpose.

Microprocessor & Robotics Workshop

This wasn't a demonstration event-this was a build-lab. Students programmed microcontrollers,

designed control logic, integrated sensors, and built functional robotic systems. Mistakes were made. Systems failed. Systems were rebuilt. The workshop forged skill, patience, and technical maturity.

Srujana 2025-First Annual Tech Fest

Srujana was not just an event-it was a statement. 250 participants. 35 universities. ₹2.4 lakh prize pool. 36 winners. It showcased the culture Chanakya is building: competitive, creative, bold, and collaborative. Srujana is now a permanent flag in our timeline-the beginning of a tradition.

Space Consortium

The Space Consortium brought together leaders from 20+ space-tech companies, research institutions, and emerging aerospace ventures for a high–intent strategic roundtable at Chanakya University. Guided by visionaries who have led missions like Chandrayaan-3 and Aditya-L1, the discussions cut to the core of India's accelerating space sector-end-to-end satellite development, propulsion futures, commercial space corridors, and next-generation mission readiness. This was not a seminar; it was a closed-door exchange of strategy, capability, and national direction. The Consortium positions Chanakya University not as an observer in the space revolution, but as a contributor shaping Bharat's ascent in the global space frontier.

Mathematical foundations for Machine Learning-Residential Workshop

A five-day intensive deep dive into the mathematics behind AI. Students explored linear algebra, probability, and optimization, moving beyond black-box models through hands-on problem-solving and real-world modelling. Led by Dr. Ashok Rao and Dr. Arulalan Rajan, the workshop built analytical depth, mathematical rigor, and true understanding of intelligent systems.

ChanakyaSAT Expert Lecture Series

An ongoing series connecting students with leaders from the space ecosystem, with many more sessions to come. Sessions by Dr. P. G. Diwakar and Dr. Ranganath R. delivered deep dives into Earth observation and small satellite engineering-from imaging and radar systems to payload-driven design and mission architecture.

More than lectures, these engagements connect theory to live missions, real constraints, and emerging technologies, building strong systems thinking and space engineering insight.

Industrial visit to AWS, Bengaluru

This enriching session highlights the participation of MCA students in She Loves Data -She Leads Tech & Beyond, hosted at AWS Bengaluru, a remarkable event that celebrated women's leadership, resilience, and innovation within the technology ecosystem. From the very beginning, the atmosphere was filled with inspiration as accomplished women leaders shared their journeys, offering practical insights into navigating and excelling in the tech industry.

IOT Project Presentations by BCA VII

This noteworthy activity highlights the IOT Project Demonstration by BCA 7th Semester students, an engaging showcase of innovation, creativity, and hands-on technical skills. The event provided a platform for students to exhibit their working hardware prototypes, reflecting their practical understanding of IoT concepts and real-time system integration.

The Power of Conviction: Communicating Your Research Effectively

The session focused on the art of communicating research effectively, helping students understand how to:

- *Present research with clarity and confidence*
- *Strengthen academic writing through structured techniques*
- *Apply practical reading methods-scanning, skimming, and the RAG (Research Approach Guidance) approach*
- *Turn theory into practice through interactive, hands-on activities*

International Conference on Computational Intelligence (ICIC-25) 2025

A big congratulations to Dhanya Shanbhag, Shivam, Ashwin, and Mahalakshmi for their impressive presentations at the prestigious International Conference on Computational Intelligence (ICIC-25) 2025, held at Kristu Jayanti College, Bengaluru!

Google Cloud Data & AI Workshop

This engaging session highlights the participation of MCA/BCA students in the Google Cloud Data & AI Workshop, an enriching program conducted by Sri Ayush Jain, Lead Solution Architect-Data & AI at Google.

The workshop offered a profound exploration into how Google Cloud is pioneering advancements in Data, Artificial Intelligence, and Security through state-of-the-art technologies and practical innovations.

Exploring An Overview of Advancements in Semiconductor Electronics Materials and Devices Fundamental Properties, Applications, and Future Prospect in Today's Era of India

The rapid advancement of semiconductor electronics has profoundly shaped modern technology, catalyzing innovation across materials science, quantum technologies, and communication systems. This review presents a comprehensive analysis of key developments in semiconductor materials, devices, and circuits, emphasizing their fundamental properties, diverse applications, and future prospects

Smart Security through AI-IOT

This interactive session invites students to hear fromMr. Raghavendra R, the Founder and CEO ofRezler Systems Private Limited, a leading Bengaluru-based technology company specializing inIoT and AI/ML application development. Drawing on his over 20 years of experience and 6 patents, Mr. Raghavendra will share valuable insights intoAI-driven security innovationsandIoT ecosystems, demonstrating how these advanced technologies are practically applied to solve real-world problems. Furthermore, the discussion will highlight Rezler Systems' well-recognized brand,SUBHAHU, known for its powerful, end-to-end Smart EBeat patrolling solutions successfully implemented in various Law Enforcement Agencies, making it a critical talk on the future of security technology.

Industrial visit to SAP LABS, Bengaluru

This insightful session highlights MCA 3rd Semester student's participation in SAP Inside Track Bengaluru 2025 – Business AI 3rd Edition (#sitBLR), an event that brought together industry leaders, innovators, and technology enthusiasts to explore the evolving landscape of Business AI. Featuring thought-provoking keynotes by Sindhu Gangadharan (MD, SAP Labs India) and distinguished speakers such as Ankit Gupta and Ronit Mangal, the event offered deep perspectives on how AI is reshaping enterprises today.

Inside Chanakya:

Industry Voices

Prof JB Simha, CTO Abiba Systems,

Chief AI Officer, AdoptAI Technologies

Chanakya University's Computer Science programs are characterised by their forward-thinking approach to education and strong industry alignment. The ML and DL courses are well-structured with an industry-grade curriculum designed by experienced mentors. The integration of real-world applications makes learning practical and impactful. Their clear vision and strategic focus on future-ready skills truly set them apart.

Prof Udaya Joisa

Former Information Technology

The strength of this institution is the infrastructure to support learning the most trending technologies, keep students engaged, comfortable and motivated with university's outstanding approaches in partnerships, outreaches and internal activities focusing on culture, learning and growth. The process used to build world class faculty and bring expertise from the industry, makes it a complete and advanced learning experience for all those who trust and join this institution.

Prof Bhanu KN

CEO, Dhiserv Technologies

Through Dhiserv Technologies, students can get opportunities to work on live projects for the BCA and MCA programs, internships, and skill-based training, helping them apply what they learn in real situations. This not only strengthens their technical knowledge but also builds confidence and prepares them to step into the industry with the right skills and mindset.

Dr Praveen

Managing Partner, Numentrix

I really appreciate the curriculum, especially the focus on applied AI, which helps students take on real-world challenges effectively. The interns we've worked with show a strong sense of ownership and a results-driven attitude. Overall, it's been a great collaboration, with the university doing a solid job of bridging academia and industry through motivated, capable talent.

Mr. Sarath Sribhasyam

CTO Intellect Select Limited

Chanakya University is an emerging modern institution offering world-class infrastructure and industry-aligned programs designed to meet evolving market needs. A key strength lies in its faculty, many of whom bring extensive industry experience, ensuring practical and relevant learning. The university aims to bridge academia and industry through innovation-driven education, which helps students to be ready for industry roles.

Student Testimonials

My name is Dilli Krishna, and I pursued MCA in Data Science (Batch 2023–25). I am currently working at GRCxperts. The academic environment at the college helped me develop a strong analytical mindset and practical understanding of data-driven technologies. What stood out for me was the emphasis on real-time projects and case studies, which made learning more meaningful. The faculty consistently motivated us to think critically and apply concepts in practical scenarios.

This exposure and continuous support played a vital role in helping me transition smoothly into the industry. I sincerely appreciate the learning experience and career guidance provided by the institution."

Dilli Krishna
Working at GRCxperts

"Getting placed at Planview India Pvt. Ltd. has been a proud milestone for me. Chanakya University's MCA program's hands-on approach, along with constant guidance from faculty helped me build strong technical and problem-solving skills. The supportive environment gave me the confidence to succeed. I'm grateful to the university for preparing me for this journey."

Rajendra Prasad K G
Working at Planview India Pvt Ltd

"I'm proud to share that I've been placed at Planview India Pvt. Ltd. The MCA program in Chanakya University is designed to be industry-relevant, with a strong focus on practical learning, problem-solving, and continuous skill development. The faculty have been incredibly supportive, always encouraging us to push our limits and stay curious. The placement training and mentorship played a crucial role in building my confidence and preparing me for real-world challenges. Chanakya University has not just helped me secure a job, but has shaped me into a confident and capable professional"

NandanPvt Ltd.
Working at Planview India

"I am Kavana B V, an MCA graduate (Batch 2023–25) specializing in Software Development, currently working as a Software Engineer at BHEL. My college experience has been both enriching and inspiring.

The program helped me gain hands-on experience in software development, from basic programming to building complete applications. The focus on practical implementation and industry-oriented learning made a significant difference in my skill development.

The support from faculty and the opportunities to work on meaningful projects helped me gain clarity and confidence in my career path. I truly value the role the college played in shaping my professional journey."

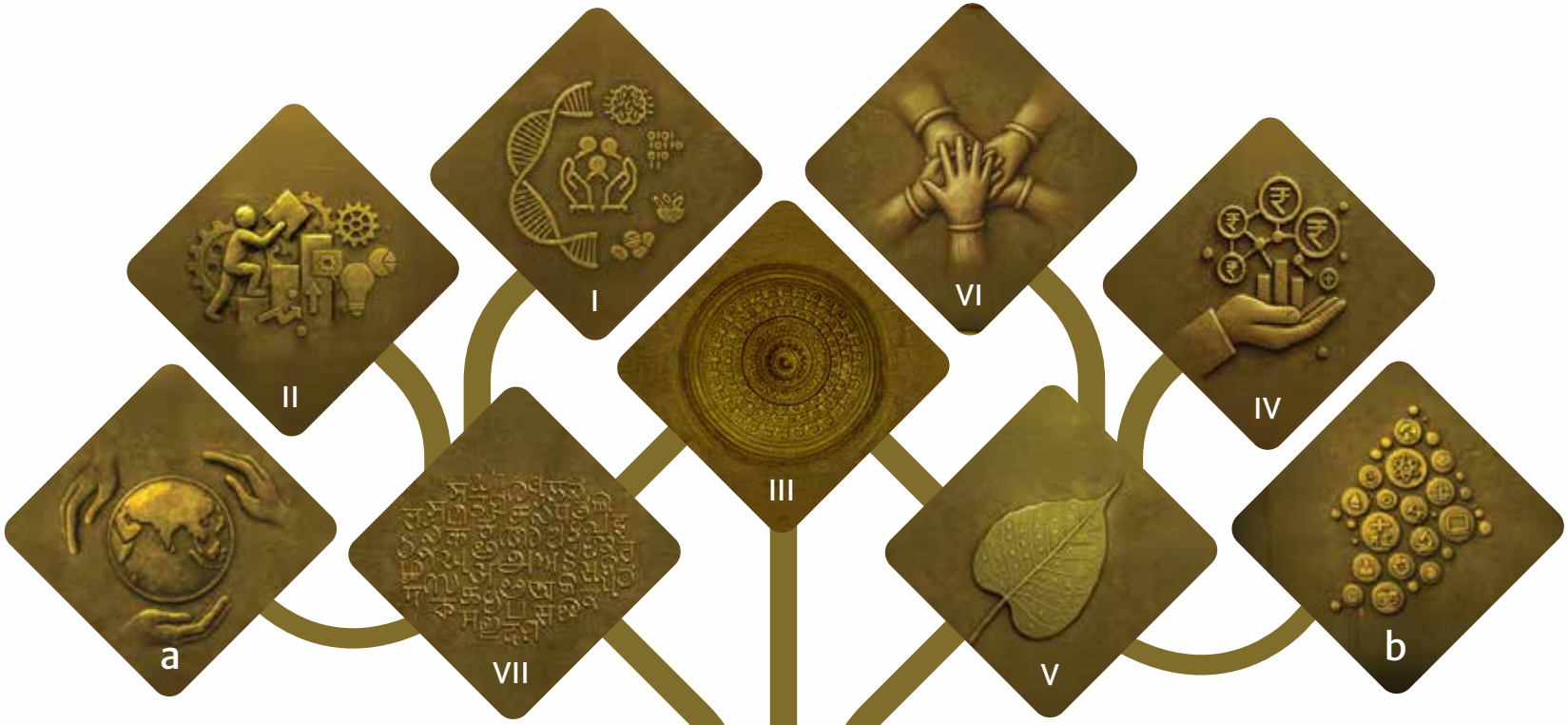
Kavana B V
Working at Software Engineer, BHEL

"I am Sai Leela, currently pursuing MCA (Batch 2024–26) and working as an intern at CDPG, IISc Bangalore. My journey so far has been both exciting and enriching, with the college providing a strong foundation for my academic and professional growth.

The learning approach here focuses on building practical skills alongside theoretical knowledge, which has helped me gain confidence in tackling real-world challenges. The exposure to projects, workshops, and continuous guidance from faculty members has played an important role in shaping my abilities.

Securing an internship at IISc Bangalore has been a significant milestone for me, and I believe the support and learning environment at the college made this possible. I am grateful for the opportunities and encouragement provided throughout my journey."

P Sai Leela
Working at Intern, CDPG – IISc Bangalore



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2

a. **Subhas Chandra Bose Chair on International Relations**

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