CHANAKYA UNIVERSITY

School of Engineering

Bachelor of Technology (B.Tech)

Start Better, Go Farther

Purposeful Engineering

EXALT

WILL

WISDOM

ACTION

INGENUITY

INGENIOUS

Engineuity + Ingeneering

Nurtured by Pioneers, doyens and visionaries

INTERNATIONAL ADVISORY COUNCIL

Dr. K. Kasturirangan
Former Chairman,
ISRO

Dr. Sitaram Jindal
Chairman and MD,
Jindal Aluminium Limited

Prof. S. Sadagopan
Former Director,
IIIT, Bangalore

Dr. Kiran Mazumdar-Shaw
Executive Chairperson,
Biocon Limited

Prof. Manjul Bhargava
Professor,
Princeton University

Prof. Bhushan Patwardhan
Former Vice Chairman,
University Grants Commission

Smt. Sonal Mansingh
Renowned Dance Artist,
Member – Rajya Sabha

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

Sri Prakash Belawadi
Co-Founder,
Centre for Film & Drama

Sri Harish Bijoor
Brand Guru & Founder
Harish Bijoor Consults Inc

Sri Hari Kiran Vadlamani
Founder
Indic Academy

Prof. Kapil Kapoor
Governing Body
IIAS Shimla

Prof. Sunaina Singh
Vice – Chancellor
Nalanda University

Sri Manish Sabharwal
Vice Chairman
Teamlease Services

Prof. Vasudha Kamat
Chairperson
Governing Board, CEC

Prof. Bhimaraya Metri
Director
IIM – Nagpur

Sri Ricky Kej
Indian Music Composer
& Environmentalist, 3 time
Grammy Award Winner

Prof. Michel Danino
Visiting Professor
IIT, Gandhinagar

Prof. Subhash Kak
Computer Scientist
& Historian
Oklahoma University

Dr. Chandraprakash Dwivedi
Renowned Film Director
Member – IGNCA

Sri Sajjan Jindal
Chairman, JSW Group

Sri Anurag Behar
Chief Executive Officer
Azim Premji Foundation

Built better

ENGINEERING ADVISORY COUNCIL

Dr. Mahesh Panchagula
Department of Applied Mechanics and Dean (Alumni and Corporate Relations), IITMadras.

Dr. Y Narahari
Director, Centre for Brain Research, IISc Bangalore.

Dr. Avinash Kumar Agarwal,
Department of Mechanical Engineering, IIT Kanpur.

Dr. Ganesh Ramakrishnan
Department of Computer Science and Engineering, IIT Bombay.

Dr. Shanthi Pavan
Department of Electrical Engineering, IIT Madras.

Dr. Sreevalsa Kolathayar
Department of Civil Engineering, NITK Surathkal.

Not just another university

Not just another engineering course

Engineering the chanakya way

1/4 + 1/4 + 1/4 + 1/4 > 4

The whole is bigger than sum of its parts

1/4

from
Teacher

1/4

from Team
Projects &
Team study

Unlimiting potential, Expanding possibilities.

Engineering education is widespread in India, yet riddled with limitations. That's why our engineering courses are built better.

Guided by our core ideals, vision, and purpose, we're dedicated to advancing engineering education. Shaped by top minds in both industry and academia, our approach is a unique blend of intergenerational learning, tech, and a human quest for creation. We aim to educate and inspire a generation of creators and job creators. Join us on this journey as our engineering courses unlimits and expands possibilities.

1/4

from self-study (topics assigned by instructor, reading material given)

1/4

from Internships

Ascend with Purpose

The world faces innumerable challenges and these are not being solved by dated frameworks and models. To achieve sustained and meaningful progress, to shape the future and for the wellbeing of humanity, world richly deserve ethical, transformative leaders, principle-centred paradigms offering enduring solutions.

We are Chanakya, as for-purpose university, are on this steadfast mission, in pursuit of expanding frontiers of knowledge, to nurture world-class scholarships and advance high impact research. We are committed to be front-runners in merging global academic excellence with India's exceptional inter civilizational wisdom and abundant knowledge for individuals' and society's sustained goodness and greatness.

We are here to develop and nurture youth with life-mastering capabilities and imbue them with abundant wisdom (jnaana), indomitable will (ichha) and meaningful action (kriya) so they exalt, rise higher to become transformative leaders with sustained success.

Ashwatha Leaf
Jnaana
(abundant wisdom)

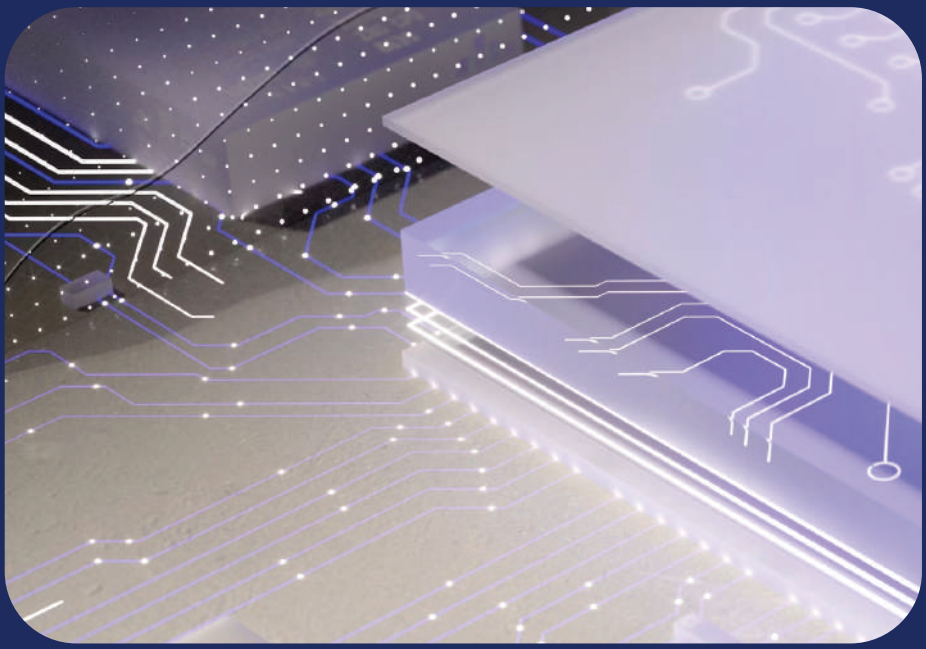
Sun
Ichha
(indomitablewill)

Dharma Chakra
Kriya
(meaningful action)

6

*Student outcomes**

**Aligned with ABET*



- Ability to solve real-time problems using scientific approaches
- Ability to develop multiple solutions using inter-disciplinary 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, using appropriate tools and strategies.

School Overview

The School of Engineering at Chanakya University is committed to fostering transformative leaders by offering innovative and transdisciplinary programs that equip youths with skills to address complex challenges. Our strong focus on innovation, sustainable solutions, and state-of-the-art infrastructure collectively contributes to the University's vision of becoming a globally recognized University rooted in Indian ideals.

Bachelor of Technology (B.Tech)

The engineering program at Chanakya University is designed to cater to a comprehensive education that extends the traditional technical and textbook knowledge. Internships and research incubation are an integral part of our curriculum, aligning with the university's mission to develop transformative leaders and create knowledge for sustained growth. The real-time knowledge and industry-aligned teaching modules help students acquaint advanced innovation and trends in the respective domains. Student's progress is being closely mentored and guided by industry experts to meet the heights of corresponding disciplines.

The program structure at Chanakya University is thoughtfully designed, with a total of 140 credits. Key features include a strong emphasis on professional core courses, constituting 60% of the program, providing students with a solid foundation in their chosen field. The remaining 40% is dedicated to electives, including project work, offering students the flexibility to explore their interests and gain specialized knowledge. Alongside technical coursework, mandatory non-credit courses in areas like ethics, culture, and social service ensure holistic development. This well-balanced credit distribution equips students with a comprehensive education that combines core expertise, interdisciplinary learning, and personal growth.

Eligibility criteria

The student must be qualified from a recognized state pre-university (10+2) with Physics/Mathematics/Chemistry/ Computer Science/ Electronics/ Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical vocational subject/ Agriculture/ Engineering Graphics/ Business Studies / Entrepreneurship

- Must obtain at least 60% marks in the above-mentioned subjects
- Results from one of the below-mentioned exams are mandatory: CUPP, JEE, CET, and COMED-K

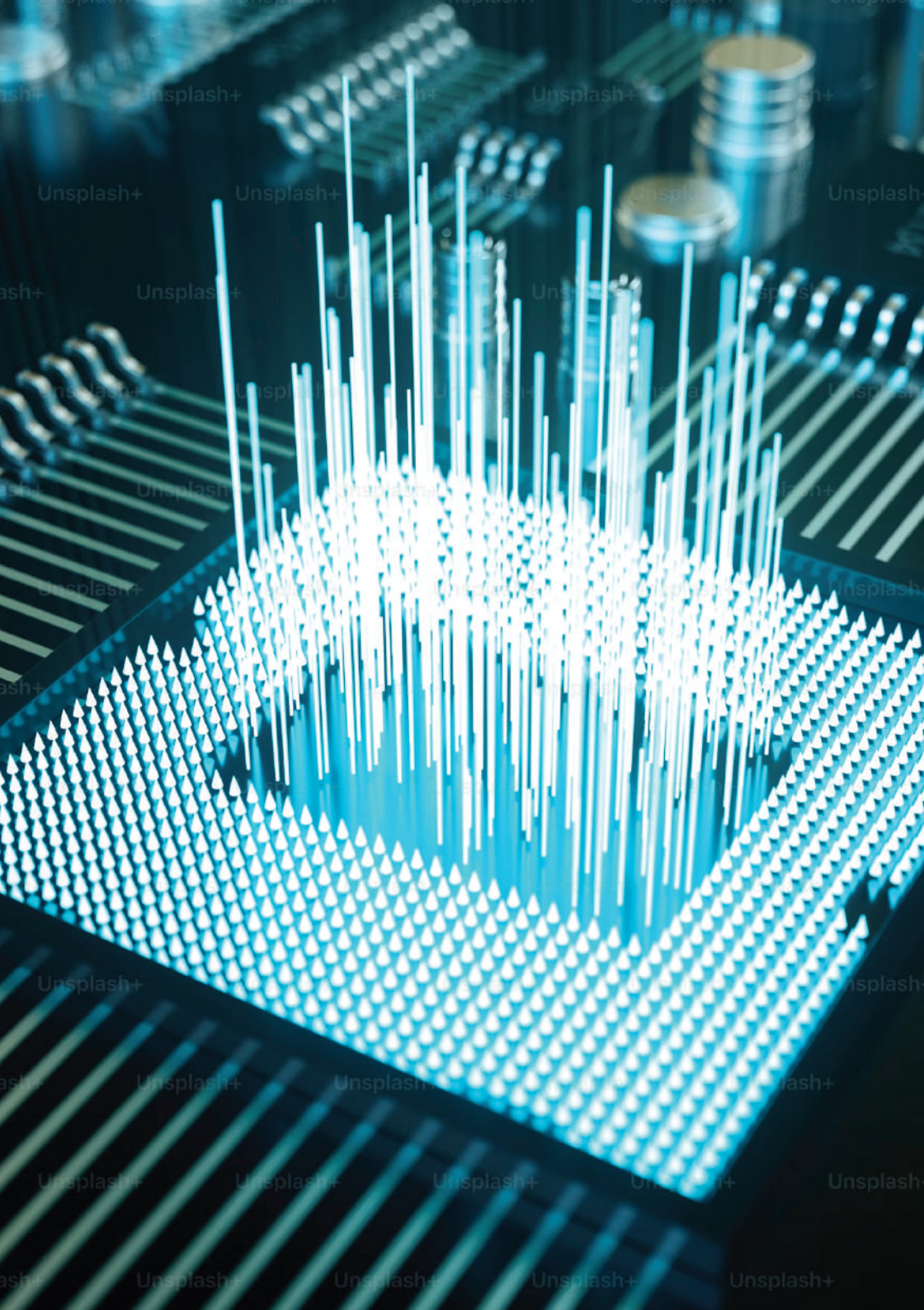
Programs Offered

BACHELOR OF TECHNOLOGY (BTECH) in

- Computer Science Engineering
- Computer Science and Artificial Intelligence.
- Electrical Engineering and Computer Science.
- Electronics Engineering (VLSI and Embedded Systems)
- Mechanical and Aerospace Engineering.
- Civil, Construction, and Sustainable Engineering.

MINORS OFFERED

- AI & ML
- Data Science & Economics,
- VLSI & Embedded System
- Cyber Security.



High-level design features of the curriculum

- Unique and differentiated – emphasis on cross-disciplinary learning
- 140 Credits Required
- 60% CoreCourses and 40% electives from IITM experience
- Emphasis on humanities – graduating human engineers and Indian Knowledge Systems (Tantra Yukti, Arthasastra)
- Soft skill training intricately designed and woven into the technical curriculum – not rely on instructor-initiation and serendipity
- Whatever is taught should be taught in depth
- Special emphasis on integration of IKS within courses

Key features of the program

1. Interdisciplinary Learning
2. State-of-the-Art Facilities
3. Experiential Learning
4. Faculty Expertise
5. Soft Skills Development
6. Cultural and Ethical Values
7. Global Exposure
8. Career Guidance and Placement Support
9. Research Opportunities
10. Flexibility and Choice

Our Purpose

Creating knowledge and transformative leaders for holistic development.

Our Vision

- Develop youth with capabilities to be inspiring leaders.
- Nurture world-class scholarship with high impact research and practice.
- Facilitate transdisciplinary studies and research to provide sustainable solutions for human and environmental challenges.
- Build state-of-the-art knowledge repository and digital infrastructure to expand the horizon of understanding among all stakeholders.
- Create innovative educational ecosystem to foster engagement with Business, Government and Society for holistic development.

Our Values

Integrity

Humanism

Creativity

Academic
Freedom

Team
Spirit

CHANAKYA
UNIVERSITY

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