



CAREER GUIDE ON

Engineering and Technology

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ATUL JAIN
CEO & Founder



An educationist by heart and an edupreneur by choice. He has counselled and shaped the careers of more than **25,000 students** over the years. An alumnus from Mumbai University, and a Gold Medallist in MBA, he has worked for the most renowned companies and organisations, gaining valuable experience in the field of Counseling, Coaching and Management. He has also steered EduBirds (One of Indore's most successful commerce and competitive exam coaching with over **2000+ students** annually in 6 Centres) and overall **15 years of Experience** in coaching and counselling domain.



Students counseled

1,00,000+

Representing Institutions

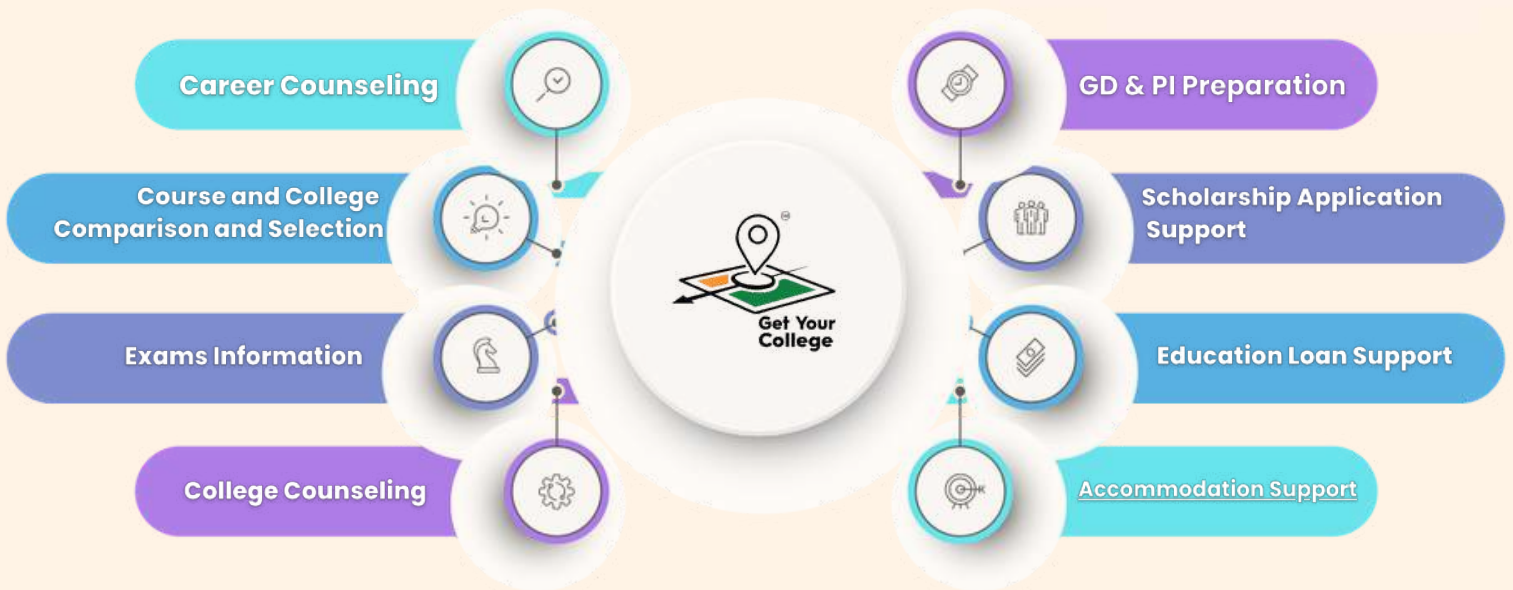
500+

Admission Offers Received

3,50,000+

Total Scholarship received by students -

Rs 1,00,000,000+



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Engineering and Technology

COURSE DESCRIPTION

You can locate items like tables, chairs, televisions, and even your clothes if you look around you. The tasks we perform on a daily basis in our environment require engineering. The modernizing of humans gave rise to a variety of engineering specialties. Since ancient times, people have used the engineering notion to create tools for their everyday needs, like wheels, pulleys, and carriages. These innovations assisted humans mechanically and assisted in the reduction of extra labour. An engineer was regarded as the person who built or operated engines as early as 1325 AD. The Latin term ingenium, which meaning "to create," is the source of the word engine itself. The name "civil engineer" later emerged as the infrastructure of the cities and villages grew. They focused their skills on creating infrastructure in both non-military and military domains. Founded in 1746 in Chennai, the College of Engineering, Guindy is the first engineering college in India. In summary, engineers are those who, as practitioners of engineering, create, design, evaluate, construct, test, and certify machines, systems, structures, and materials to meet goals and specifications while taking cost, practicality, safety, and regulatory constraints into account. Engineers' job serves as the conduit between scientific discoveries and their subsequent applications to business and human requirements, as well as to improve quality of life.

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AVAILABLE DEGREES

DEGREE

- B.E.(Bachelor of Engineering)
- B.S.(Bachelor of Science)
- B.Tech.(Bachelor of Technology)
- B.F.Tech.(Bachelor of Fashion Technology)
- B.S.+M.S. (Integrated Bachelor & Master of Science)
- B.Tech.+ M.Tech. (Integrated Bachelor & Master Technology)
- Diploma+ B.Tech (Integrated Diploma & Bachelor of Technology)

DURATION

4 Year
3Year
4Year
4Year
5Year
5Year
6Year

ELIGIBILITY

10+2 with PCM
10+2 with PCM
10+2 with PCM
10+2 with PCM
10+2 with PCM
10+2 with PCM
10+2 with PCM

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CAREER PROSPECTS

Work with a
Technical
Company

Prepare for Civil
Services

Banking Job

Start own
Business/
Technical Venture

Merchant Navy

Indian Armed
Forces

Indian
Railways

Indian Civil
Services

Computer / IT Job

Higher Studies in
Management or
Technical Field

Indian
Engineering
Services

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SPECIALIZATIONS

Aerospace

Biotechnology

Ceramic

Chemical

Biomedical

Electronics

Electronics &
Communication

Food & Nutrition

Food Technology

Architectural

Automobile

Biochemical

Engineering Science

Agricultural & Food

Dairy Technology

Engineering Physics

Electronics &
Electrical

Fire Technology

Aerospace

Mathematics &
Computing

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SPECIALIZATIONS

Mineral Resource

Mechatronics

Genetic

Mining Machinery

Metallurgical

Electrical

Civil

Environmental

Ocean

Petroleum

Marine

Manufacturing Science

Industrial & Systems

Material Science

Mechanical

Electronics &
Instrumentation

Computer Science

Naval
Architecture

Polymer

Plastic

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Engineering and Technology Entrance Exams after 12th

Exams for Engineering and Technology

- **JEE Main – Paper 1
(Joint Entrance Examination)**
- **JEE Advanced
(Joint Entrance Examination)**
- ***CUET (UG)
(Common University Entrance Test)**
- **BITSAT
(BITS Aptitude Test)**
- **VITEEE
(VIT-Engineering Entrance Exam)**
- **SRMJEEE (UG)
(SRM-Joint Engineering Entrance Exam)**

FOR ADMISSION TO

B.E. / B.Tech Courses in NITs, IIITs, and CFTIs, State Engineering Colleges of Participating States and Other Participating Institutions.

Bachelor's or Integrated Master's Dual Degree in Engineering at IIT's

B.Tech. courses at Central, Public and Private Universities who have opted to take UG admissions through CUET across India

BE at Pilani, Goa, Hyderabad and Dubai campus

B.Tech. at VIT Vellore, Chennai, Bhopal and Andhra Pradesh Campus

B.Tech. at SRM Group of Institutes at Chennai, Amaravati, NCR and Sonipat Campus

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Exams for Engineering and Technology

**NMIMS-CET
(Common Entrance Test)**

**MET
(Manipal Entrance Test)**

**MHT-CET
(Maharashtra Technical
Common Entrance Test)**

**KEA-CET
(Karnataka Examination
Authority Common Entrance
Test)**

**KIIT-EE
(KIIT- Entrance Test)**

**AP-EAPCET (E Category)
(Andhra Pradesh Engineering,
Agriculture & Pharmacy
Common Entrance Test)**

**WBJEE
(West Bengal Joint Entrance
Exam)**

**UPESEAT
(UPES Engineering Aptitude
Test) UPESEAT (UPES Engineering
Aptitude Test)**

**CET Engineering
(Common Entrance Test)**

**TS-EAMCET E
(Engineering Agriculture &
Medical Common Entrance
Test) Engineering**

FOR ADMISSION TO

B.Tech programs at Narsee
Monjee, Mumbai, Navi Mumbai,
Indore and Shirpur Campuses

B.Tech. at All Manipal Institute of
Technology Colleges

B.E. & B.Tech. in all Govt.
& Affiliated Engineering
Colleges in Maharashtra

B.E. & B.Tech. in all Govt. &
Affiliated Engineering Colleges in
Karnataka

B. Tech. courses at KIIT University
Bhubaneshwar

B. Tech. courses across
engineering colleges in Andhra
Pradesh

B. Tech. courses across
engineering colleges in West
Bengal

B.Tech. at UPES Dehradun

B.Tech. programs at Bharati
Vidyapeeth Pune-Maharashtra

For admission in BE / B.Tech.
across Universities in Telangana

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Exams for Engineering and Technology

- **GAT**
(General Aptitude Test)
- **GUJCET**
(Gujarat Common Entrance Test)
- **BTECH BT CET 130**
(Common Entrance Test)
- **CUET**
(Christ University Entrance Test)
- **KALSEE (Kalinga Scholastic Entrance Examination)**
- **AMU-ET**
(Aligarh Muslim Univ. Entrance Test)
- **PAU-CET**
(Common Entrance Test)
- **CG-PET**
(Pre Engineering Test)

FOR ADMISSION TO

4 Year B.F.Tech Programs at NIFT
Multi location

B.E programs across Engineering
Colleges and
Universities in Gujarat

B.Tech. Biotechnology Program at
Affiliated Colleges to
Indraprastha University, Delhi

B.Tech. Programs at Christ
University-Bangalore Kengeri
Campus

B.Tech. Programs at Kalinga
University, Chhattisgarh

BE & B.Tech. Programs at Aligarh
Muslim University

B.Tech. Biotechnology and Food
Technology at
Punjab Agriculture University

B.Tech. Courses at Colleges in
Chhattisgarh

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Exams for Engineering and Technology

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- **GUJCET (Gujarat Common Entrance Test)**
- **BTECH BT CET 130 (Common Entrance Test)**
- **CUET (Christ University Entrance Test)**
- **KALSEE (Kalinga Scholastic Entrance Examination)**
- **MITWPU-UGPET (MITWPU – UG Pre Entrance Test)**

FOR ADMISSION TO

4 Year B.F.Tech Programs at NIFT
Multi location

B.E programs across Engineering
Colleges and
Universities in Gujarat

B.Tech. Biotechnology Program at
Affiliated Colleges to
Indraprastha University, Delhi

B.Tech. Programs at Christ
University–Bangalore Kengeri
Campus

B.Tech. Programs at Kalinga
University, Chhattisgarh

3 & 5 Year BALLB Programs at
MITWPU, Pune

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Engineering and Technology Colleges

WITH RANKINGS, ADMISSION PROCESSES AND WEBSITES



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RANK

**Engineering and
Technology Colleges**

**ADMISSION
PROCESS**

WEBSITE

01.

IIT Bombay Maharashtra

JEE-Adv.

[CLICK HERE](#)

02.

IIT Delhi Delhi

JEE-Adv.

[CLICK HERE](#)

03.

IIT Kanpur Uttar Pradesh

JEE-Adv.

[CLICK HERE](#)

04.

IIT Kharagpur West Bengal

JEE-Adv.

[CLICK HERE](#)

05.

IIT Madras Tamil Nadu

JEE-Adv.

[CLICK HERE](#)

06.

IIT Roorkee Uttarakhand

JEE-Adv.

[CLICK HERE](#)

07.

**Indian Institute of Technology
(Banaras Hindu University),
Varanasi**

JEE-Adv.

[CLICK HERE](#)

08.

**Birla Institute of Technology and
Science (BITS, Pilani) - Pilani**

BITSAT

[CLICK HERE](#)

09.

**AtalBihari Vajpayee Indian
Institute of Information
Technology and Management,
Gwalior**

Jee-Main

[CLICK HERE](#)

10.

**Gwalior Indian Institute of
Information Technology,
Allahabad**

Jee-Main

[CLICK HERE](#)

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RANK	University/Institute	ADMISSION PROCESS	WEBSITE
11.	IIIT Hyderabad	Jee-Main	CLICK HERE
12.	IIT Guwahati Assam	JEE- Adv.	CLICK HERE
13.	Indian Institute of Technology (Indian School of Mines), Dhanbad	JEE- Adv.	CLICK HERE
14.	Indian Institute of Technology (IIT), Gandhi Nagar	JEE-Adv.	CLICK HERE
15.	NIT Trichy Tamil Nadu	Jee-Main	CLICK HERE
16.	NIT Warangal Telangana	Jee-Main	CLICK HERE
17.	NIT Surathkal, Karnataka	Jee-Main	CLICK HERE
18.	NIT Calicut Kerala	Jee-Main	CLICK HERE
19.	Indian Institute of Technology (IIT), Ropar	JEE-Adv.	CLICK HERE
20.	NIT Allahabad Uttar Pradesh	JEE- Adv.	CLICK HERE

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GYC RECOMMENDED COLLEGE

01. Bennett University (Times of India Group)
Greater Noida, Uttar Pradesh

02. Alliance University
Bangalore

03. UPES
Dehradun, Uttarakhand

04. Parul university
Vadodara, Gujarat

05. Mody University
Jaipur, Rajasthan

06. Jagran Lake City University
Bhopal, Madhya Pradesh

07. Karnavati University
Gandhinagar, Gujarat

08. Marwadi University
Rajkot, Gujarat

09. Ajeenkya DY Patil University
Pune, Maharashtra

10. Jaipur National University (JNU)
Jaipur, Rajasthan

11. Lovely Professional University
Phagwara, Punjab



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GYC RECOMMENDED COLLEGE

12. Vivekananda Global University
Jaipur, Rajasthan

13. IILM University
Gurugram, Greater Noida, Uttar Pradesh

14. Amity University
Mumbai, Jaipur, Gurugram

15. P P Savani University
Surat, Gujarat

16. Universal AI University
Kushiwadi, Maharashtra

17. Indore Institute of Science & Technology (IIST)
Indore, Madhya Pradesh

18. Oriental University
Indore, Madhya Pradesh

19. Sage University
Indore, Madhya Pradesh

20. Renaissance University
Indore, Madhya Pradesh

21. Lakshmi Narain College of Technology (LNCT)
Indore, Madhya Pradesh

22. Shivaji Kadam Institute Of Technology And Management (SKITM)
Indore, Madhya Pradesh



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GYC RECOMMENDED COLLEGE



23. Acropolis Institute of Law (AIL)
Indore, Madhya Pradesh

24. Oriental University
Indore, Madhya Pradesh

25. Sage University
Indore, Madhya Pradesh

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FAQS BY STUDENTS

1. Q: How important is choosing the "right" college for my career?

A: College reputation matters, but focus on courses offered faculty, and placement records. Choose a college that aligns with your career aspirations.

2. Q: Is it better to follow a passion or opt for a high-paying job?

A: Find a balance. Pursue a career that aligns with your passion but also ensures financial stability. It's crucial to enjoy what you do.

3. Q: What are the emerging career fields in India?

A: Data Science, Artificial Intelligence, Renewable Energy, and E-commerce are rapidly growing fields. Stay updated on industry trends.



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4. Q: How important is networking for career growth?

A: Networking is crucial. Attend seminars, and workshops, and use online platforms to connect with professionals in your field of interest.

5. Q: Should I consider studying abroad for better career prospects?

A: It depends on your goals. International exposure can be beneficial, but ensure the chosen country and course align with your career plans.

6. Q: How can I make my resume stand out to employers?

A: Highlight relevant skills, internships, and achievements. Tailor your resume for each job application and keep it concise.

7. Q: Is it essential to pursue postgraduate studies for career advancement?

A: It depends on the industry. Some sectors value work experience, while others may require specialized qualifications. Research your field.

8. Q: How can I handle career-related stress and uncertainty?

A: Break down your goals, seek guidance, and focus on building skills. Embrace uncertainty as a part of the journey and stay adaptable.

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Personalized Guidance and Support

Empower your journey to course selections, future prospects and emotional well-being with expert counseling sessions. Cultivate resilience, navigate challenges, and foster personal growth through compassionate and tailored guidance. Schedule your session today for a path towards a healthier and more fulfilling life.

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