25 YEARS
INNOVATION & EXCELLENCE

Sixth Edition

Follow Us On

संधर्स से सम्मान तक

तिनका तिनका जोड़ कर....
हर एक लम्हे की समझ कीमत...
आपने एक ऐसी राह बनाई है...
जिसे आज सारे देश ने सराया है..

खुले आसमान के तले....
कई थे चले सिलसिले...
कई थे हारे... कई थे डरे....
पर आपने सारे रिश्ते है निभाए ...

चाहे वह था अपनों से...
चाहे अपने आप से...
चाहे छोटो से... चाहे बड़ों से...
चाहे वह क्यों ना था अपनी मातृभूमि से

देश का एक ऐसा लाल बने.....
जिंदगी के वट वृक्ष में ...
ले जिंदगी की सीख
पन्नालाल जी... बैजनाथ जी से...
पा आशीष छोटी देवी जी का. ....
ले प्रेरणा शांति जी से ...
मोतियों की तरह पिरोया रूपा को...
पल–पल बदलते ढलते वक्त में....
साथ पा ...घनश्याम जी.... कुंज बिहारी जी का ...
पहलाद जी ने खुद को कुछ यू निखारा ....
पदम श्री नाम अपने करा...

हाँ...
समस्या होगी...
पर समाधान से बड़ी नहीं..
मुश्किल होगा...
पर असंभव नहीं..

रखा आपने यही किरदार है ...
विद्या से बड़ा कहां कोई दान हैं....
और कहां वह वक्त भी दूर है..
जब आप को पद्म विभूषण से नवाजा जाए..
आज जिसका आधार इंडस्ट्री है...
कल वह एजुकेशन होगा...

हाँ यकीनन...
हम ना श्री राम... ना एकलव्य...
और ना ही अर्जुन से शिष्य हो...
पर
हर एक आकांक्षा से पहले
उसके गुरु का नाम होगा...
हाँ...
कुछ ऐसा सोभासरिया होगा...

आकांक्षा मोर

From the Desk of Chief Editor

Dear Readers,

Greetings from Sobhasaria TIMES

Welcome to the sixth quarterly edition of Sobhasaria Times. First and foremost, I extend my warmest congratulations to the graduating class of 2025 the 26th batch of our esteemed institute. You hold a special place in the legacy of Sobhasaria Institute, having been part of the Silver Jubilee Celebrations, a truly memorable milestone in our journey.

This quarter was marked by yet another joyous occasion — the 86th birthday of our Hon'ble Chairman Sir, celebrated on 30th May 2025. The day began with the planting of 86 trees, symbolizing growth, sustainability, and respect. Later, the entire Sobhasaria family came together to celebrate the moment with great joy and enthusiasm, and we were all blessed to receive his warm wishes and inspiration.

On the following day, 31st May 2025, the institute hosted the 16th Meeting of the Board of Governors. We express our sincere gratitude to all BOG members and invited dignitaries for their valuable presence. The meeting fostered meaningful discussions and led to several constructive suggestions aimed at strengthening SGI's standing among peer institutions.

In our previous quarter's newsletter, we had laid out a broader roadmap for the skill development of students, outlining how students will be guided year wise to acquire the competencies needed to become placement-ready. Building on that foundation, this issue of Sobhasaria Times takes a step further by focusing specifically on students from the Computer Science stream offering insightful guidance on how they should navigate their academic journey at Sobhasaria Group of Institutions to shape themselves into successful graduates. I urge all students and faculty members to go through the content attentively and integrate the key learnings into their professional and personal growth.

Wishing all our readers a happy and insightful reading experience.

Chief Editor, Sobhasaria TIMES

Sobhasaria Group of Institutions, Sikar

Celebrating 86th Birthday of Our Visionary Chairman sir

Our Chairman Sir's birthday falls on 30th May, and this year, we celebrated his 86th birthday with great enthusiasm at the college. He was warmly greeted by students and faculty members with a bouquet of flowers. A cake-cutting ceremony was later organized, accompanied by the lighting of 86 diyas.

Principal Dr. L. Solanki delivered the welcome speech, highlighting the work ethics and philanthropic vision of Chairman Sir. Mr. Sunil Mor spoke about his long-standing association with Shri P. R. Agarwala ji, whom he affectionately refers to as "Tauji." Vice Chairman Shri K B Agarwala delivered an emotional speech about his bond with his elder brother "Bhaiji" and prayed for his long and healthy life. Dr. Rajesh Gaur recited a heartfelt poem dedicated to our Chairman Sir, which is printed on the following pages.

Dr. Harshita Garg proposed the vote of thanks at the end. To mark the occasion, 86 trees were planted at various locations in and around the institute.

The presence of Mrs. Shanti Devi Agarwala, Mrs. Lalita Agarwala, Mr. Ravi Agarwala, Mr. Avaneesh Agarwala, and Mr. Manoj Joshi made the occasion even more enjoyable and memorable.

At the end of the program, Chairman Sir expressed his heartfelt gratitude to everyone for the warm birthday celebrations and extended his blessings to all present. In his address, he shared his aspiration to make Sobhasaria Group of Institutions the number one institute in India and urged everyone to work with dedication and unity toward achieving this vision.

Following this, on 6th June, Vice Chairman Shri G. P. Agarwala and Madam Agarwala extended their blessings and distributed return gifts to all staff members of the institute, making the celebration even more memorable and heart-warming.

Roadmap to Success at Sobhasaria Group of Institutions: A Journey from Dream to Destination

I am a first-year Computer Science student at Sobhasaria Group of Institutions, Sikar. Like many others, I have come here with a dream, to build a good career and become a better person.

When I took admission at SGI, my goals were clear in my mind:

First, I want to complete my degree with good marks.

Second, I wish to develop strong communication skills so that I can speak with confidence in any setting.

Third, I aspire to become a good human being someone with integrity, empathy, and discipline.

Fourth, I aim to secure a good placement before I graduate.

But having dreams alone is not enough. What really matters is how you I spend these three to four years at SGI to turn these dreams into reality?


At Sobhasaria Group of Institutions, we know that every student joins with a dream and some clear goals. These goals are to do well in studies, learn useful skills, get a good job, and become a confident and responsible person. We are fully committed to helping students achieve all these four goals. With proper guidance, good teachers, and the right environment, we support our students at every step from the beginning of their journey to their final success.

To help students achieve these four goals, we follow a simple and clear process. At each step, we give them the right support, guidance, and opportunities. Here is how we help them:

Achieving your First Goal

Since you are in engineering branch you should have good command over mathematics & physics subjects in the I years. This can be done by rigorous practice of solving numerical questions with regularity.
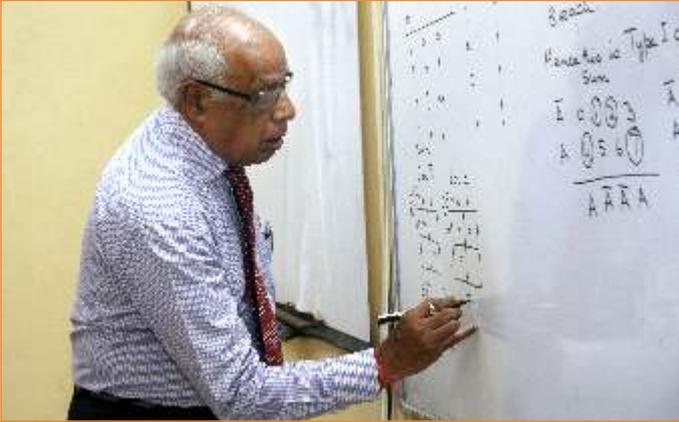
As you move on to next semesters this is the list of subjects' student has to focus on, they are the core subjects of engineering.

To help students clearly understand how their core subjects connect with future career paths, the following table maps the core subjects taught in various semesters to specific professional roles. This alignment helps students visualize how each subject contributes to building the skills required for careers such as Programmer, Web Developer, Data Scientist, Networking Engineer, and others.

Semester	Core Subjects	Will Help You to Become
III Sem	Data Structures and Algorithms using C Programming	Programmer / Software Tester / Data Scientist
III Sem	Object Oriented Programming Using C++	Programmer / Software Tester
III Sem	Digital Electronics	Networking Engineer / Cybersecurity Analyst
IV Sem	Theory of Computation & Compiler Design	Programmer / Software Tester
IV Sem	Database Management System	Web Developer / Data Scientist
IV Sem	Introduction to Python Programming	Programmer / Data Scientist / Cybersecurity Analyst
IV Sem	Introduction to Java Programming	Programmer / Software Tester
V Sem	Operating Systems	Programmer / Cybersecurity Analyst / Software Tester
V Sem	Computer Organization and Architecture	Networking Engineer / Cybersecurity Analyst
V Sem	Computer Networks	Networking Engineer / Cybersecurity Analyst
V Sem	Machine Learning	Data Scientist / Programmer
VI Sem	Design and Analysis of Algorithms	Programmer / Data Scientist
VIII Sem	Big Data Analytics	Data Scientist

If you have successfully cleared all these then you will pass your degree with good grades, your first task of successfully completing my degree has been achieved.

As an engineering graduate, you can explore a wide range of government job opportunities across sectors such as:

As an engineering graduate, you can explore a wide range of government job opportunities across sectors such as core engineering (via UPSC ESE, PSUs through GATE, and State PSCs), IT and software roles (like NIC, ISRO, DRDO), administrative services (UPSC Civil Services, State PSCs, SSC CGL), railways and defence (RRB, Armed Forces, ISRO/DRDO Scientist roles), banking and insurance (IBPS, SBI, RBI, LIC), teaching and research (Assistant Professor, CSIR JRF), and special categories like BARC, SSC JE, and ISRO Young Scientist Program, with notifications available through UPSC, SSC, GATE,   and respective state and departmental websites.

Cracking these examinations may take a few years, but once you succeed, your career is almost secure.

Overall Success Rate: After successfully completing your degree with good grade the probability of getting in to a good government job is 1 out of 1000 applicants.

Achieving your Second Goal

Good communication skills are very important for any student. They help you share your ideas clearly, work well in a team, and speak with confidence. These skills also make a big difference in interviews and future jobs. With good communication, you can grow faster and become a successful professional.

What Should I do?

First: B. Tech syllabus contains Communication Skills Lab and Technical Communication Lab if any students do that task well then, he just needs to practice on his communication skills.

By the end of this course, engineering students will speak English more clearly, pronounce words better, and feel more confident while talking. They will be able to communicate well in interviews, presentations, group discussions, and at the workplace, with good manners, soft skills, and proper behavior.

Second: We are not used to speaking in English. When we try to speak, we first think in Hindi and then translate it into English. This becomes a problem because we often cannot find the right English words. That's why you need to build a strong vocabulary. A good vocabulary can be developed by:

- ❖ Talking in English regularly
- ❖ Reading an English newspaper every day
- ❖ Writing down 1 or 2 new words you learn and using them in your daily speaking and writing

This will help you speak English more easily and confidently.

Third: To further improve public speaking and interview skills with confidence, we at SGI regularly run a **Spoken English Course** for students in the I and II year of their studies of all three colleges under the Sobhasaria Group. Interested students are being trained by our English faculty member, Mr. Sanjay Sharma. Students have maintained 90% to 100% attendance in these classes.

Overall Success Rate:

After doing all these courses and activities your success rate increases significantly. If applying for job in corporate your success rate increases by 20% to 30 %.

Achieving your Third Goal

Becoming a good human being is a lifelong journey, but college is the best place to start. These values will not only make you a better student but also a better friend, professional, and citizen. And in the long run, these are the things that truly define success.

Success is not only about academic achievements or getting a good job it is also about the kind of person you become during the journey. A good human being is respected, trusted, and remembered for the right reasons. Here's how you can begin your journey to become one:
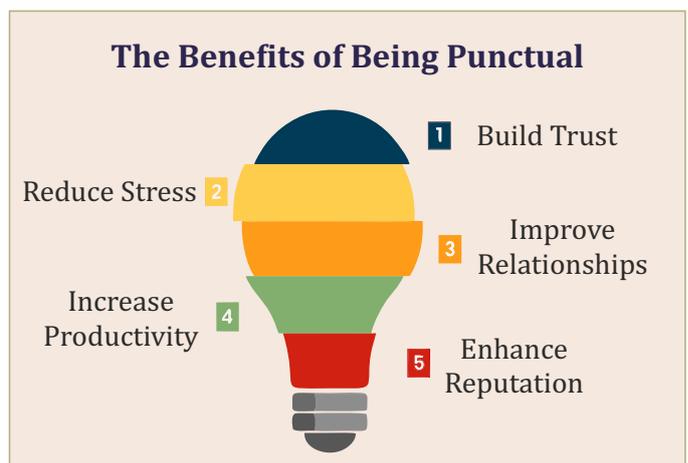
1] Be Punctual

Punctuality is a basic but powerful quality. Coming to class on time, submitting assignments before deadlines, and respecting schedules show that you are responsible and disciplined. When you are punctual, people around you take you seriously and start depending on you. It also builds self-confidence and improves your overall performance.

Try to follow a fixed daily routine. Study regularly, don't wait till the last moment. Plan your day and manage time well. This habit will help you stay focused and do better in studies and life.

2] Take Part in College Activities

College is not just about books and exams. It is a place where your personality is shaped. Try to participate in different college activities be it technical events, cultural programs, or social drives. Take any role: a volunteer, a coordinator, an anchor, or even a helping hand. Every experience will teach you something new like teamwork, event planning, communication, or problem-solving. Such involvement makes you confident, active, and well-connected with others.

The Benefits of Being Punctual

1 Build Trust
2 Reduce Stress
3 Improve Relationships
4 Increase Productivity
5 Enhance Reputation

3] Show Empathy and Respect

Be kind and helpful to your classmates, juniors, teachers, and staff. Listen to others when they are in trouble, offer help when someone needs support, and speak politely. Respect your parents, elders, and faculty they play a big role in your life and success. A kind heart, good manners, and a helpful nature make you a truly valuable person in society.
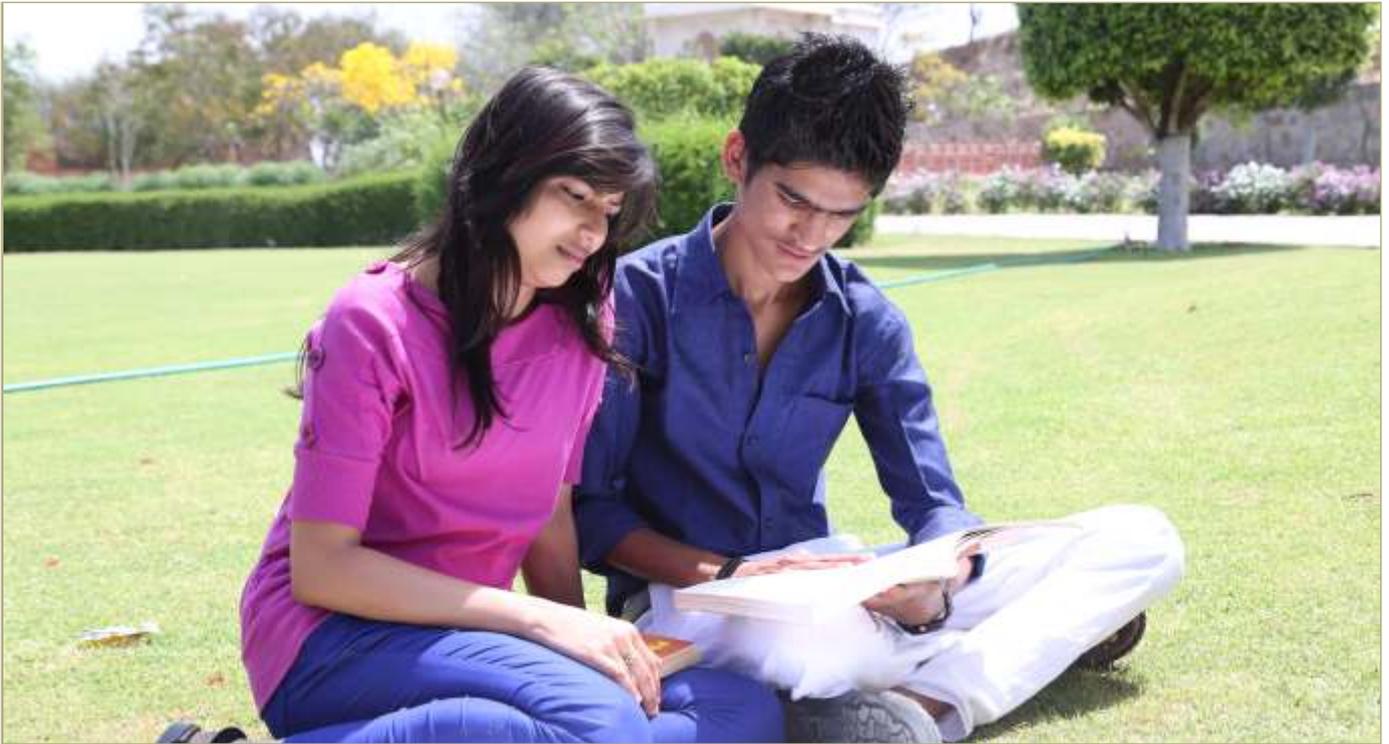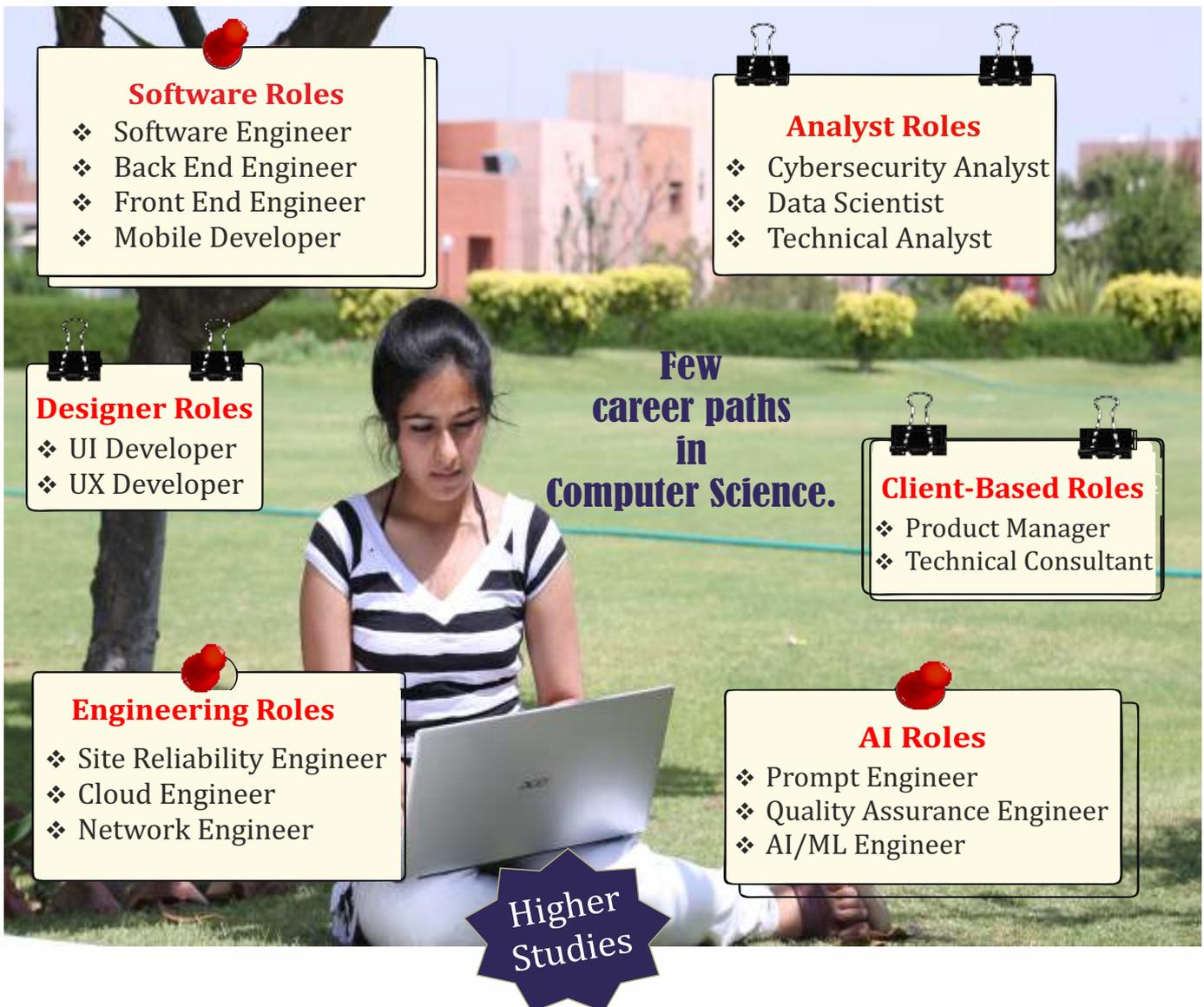

4] Build the Right Attitude and Discipline

Along with knowledge and skills, your attitude is very important. A good attitude means staying positive, eager to learn, and ready to face challenges. Sometimes, things may be difficult like tough subjects or personal problems but if you stay strong and keep trying, you will improve.

Achieving your Fourth Goal

In today's competitive world, just having a degree with good marks is not enough. To become successful, students must have strong knowledge of core subjects, good communication skills, and a positive attitude. But along with this, it is also important to know about the latest technologies and skills that are in high demand in the industry. These technologies can help students get 100% placement after graduation. Many students are not aware of these new fields in computer science, and even if they are, they don't know where to learn them from or how to start. In this section, we will talk about the important sub-domains of computer engineering where students can get jobs easily, what trainings or certifications they need, and from which platforms or institutes they can learn these skills. This information will help you plan your career from the very first year.

Software Roles
- Software Engineer
- Back End Engineer
- Front End Engineer
- Mobile Developer

Analyst Roles
- Cybersecurity Analyst
- Data Scientist
- Technical Analyst

Designer Roles
- UI Developer
- UX Developer

Few career paths in Computer Science.

Client-Based Roles
- Product Manager
- Technical Consultant

Engineering Roles
- Site Reliability Engineer
- Cloud Engineer
- Network Engineer

AI Roles
- Prompt Engineer
- Quality Assurance Engineer
- AI/ML Engineer

Higher Studies

Based on the roles mentioned, we will explore important job roles that offer students crucial insights to establish a solid career foundation.

To Become a Programmer

Programming is the core of computer science and software development. Programmers write and maintain the code that powers applications and systems. This role requires logical thinking, problem-solving, and the ability to work with different programming languages.

Skills Required:
- Strong command of one or more programming languages such as Python, Java, or C++.
- Deep understanding of algorithms and data structures to write efficient code.
- Problem-solving skills to debug and optimize software.
- Knowledge of software development principles and design patterns.
- Ability to work collaboratively using version control systems like Git.
- Familiarity with object-oriented programming and sometimes functional programming.
- Basic understanding of databases and APIs can be advantageous.

Tools You'll Use:
IDEs (Visual Studio Code, IntelliJ), Git for version control, debugging tools, Build Automation Tools (Jenkins) and many more.

What You'll Do on the Job:
Write, test, and maintain software code; collaborate in development teams; debug and troubleshoot software issues; implement new features.

Free Platforms to Learn Programming:
freeCodeCamp, HackerRank, W3Schools, LeetCode (Free Tier) etc.
Paid Platforms Learn Programming:
Codecademy Pro, Coursera Programming Courses etc.

To Become a Web Developer

Web development involves building websites and web applications. It combines creativity with coding, requiring knowledge of both front-end (user interface) and back-end (server logic) development.

Skills Required:

- ❖ Proficiency in front-end technologies: HTML, CSS, JavaScript.
- ❖ Understanding of responsive and mobile-first design principles.
- ❖ Familiarity with front-end frameworks like React or Angular.
- ❖ Backend knowledge including Node.js, Django, or similar frameworks to handle server-side logic.
- ❖ Basic database management and API integration.

WHAT DOES A WEB DEVELOPER DO ?

FRONTEND DEVELOPERS	BACKEND DEVELOPERS	FULL STACK DEVELOPERS
Code the frontend of a website; i.e. the part that the user sees and	Work behind-the-scenes, building and maintaining the technology needed to power the frontend	Experts in both backend and frontend development
Bring the web designer's designs to life using HTML, JavaScript and	Ensure that everything the frontend developer builds is fully functional	Guide on strategy and best practices
Ensure responsive design	Create and manage the database	Well-versed in both business logic and user experience

Tools You'll Use:
Code editors (VS Code), browser developer tools, Git, web frameworks.

What You'll Do on the Job:
Design and build responsive, interactive websites, ensure smooth user experience, work with designers and backend developers; optimize for speed and accessibility.

Free Platforms:
The Odin Project, freeCodeCamp, MDN Web Docs, Frontend Mentor (Free Tier) etc.

Paid Platforms:
Udemy Web Development Courses, Coursera Full Stack Programs etc.

To Become a Networking Engineer

Networking engineers design, implement, and maintain the infrastructure that allows computers to communicate. This role requires deep understanding of network protocols and hardware.
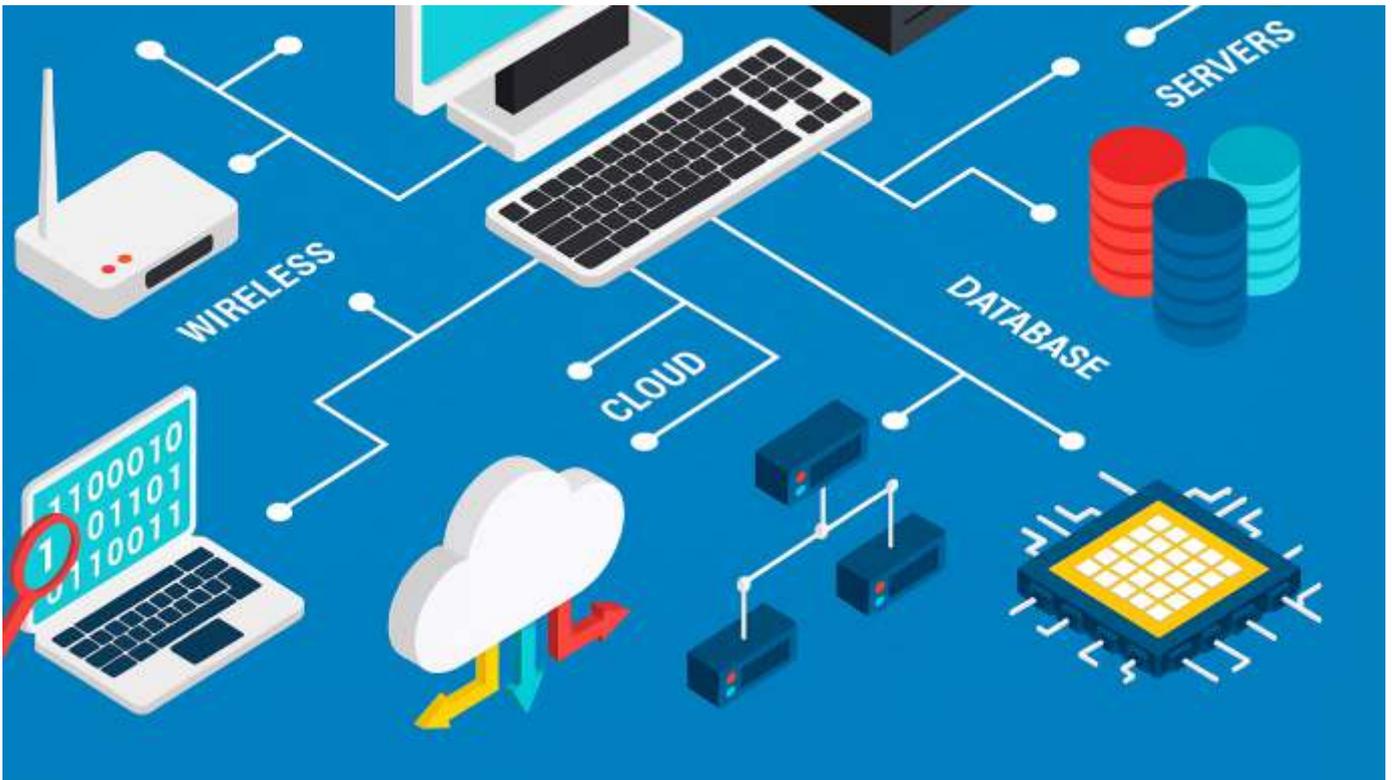
Skills Required:

- ❖ Thorough knowledge of networking fundamentals: TCP/IP, DNS, DHCP.
- ❖ Expertise in IP addressing, subnetting, routing, and switching techniques.
- ❖ Understanding of network security principles and firewalls.
- ❖ Ability to troubleshoot network issues using diagnostic tools.
- ❖ Familiarity with wireless networking, VPNs, and cloud networking.
- ❖ Knowledge of configuration and management of routers, switches, and firewalls.
- ❖ Awareness of network monitoring and performance tuning.

Tools You will Use:
Networking hardware (routers, switches), Wireshark, configuration tools.

What You will Do on the Job:
Plan and deploy network systems, monitor network health and security, troubleshoot and resolve connectivity issues, ensure reliable and secure communication.

Free Learning Platforms:
Cisco NetAcad (Free Courses), CompTIA Free Materials etc.
Paid Learning Platforms:
INE Networking Paths, CBT Nuggets, Pluralsight etc.

To Become a Digital Marketing Expert

Digital marketing specialists help businesses grow their online presence through various strategies like SEO, social media, and content marketing. This field blends creativity with analytics.

Skills Required:

❖ Strong understanding of SEO and SEM techniques to increase website visibility.

❖ Ability to create and manage engaging content across platforms.

❖ Expertise in social media marketing and paid advertising.

❖ Knowledge of email marketing best practices.

❖ Proficiency in data analytics to interpret campaign performance.

❖ Familiarity with digital marketing tools and platforms.

❖ Creativity to develop unique marketing strategies and campaigns.

Tools You'll Use:
Google Analytics, SEMrush, HubSpot, Mailchimp, social media platforms.

What You'll Do on the Job:
Develop, execute, and optimize marketing campaigns, analyse results, increase brand awareness and customer engagement; manage online advertising budgets.
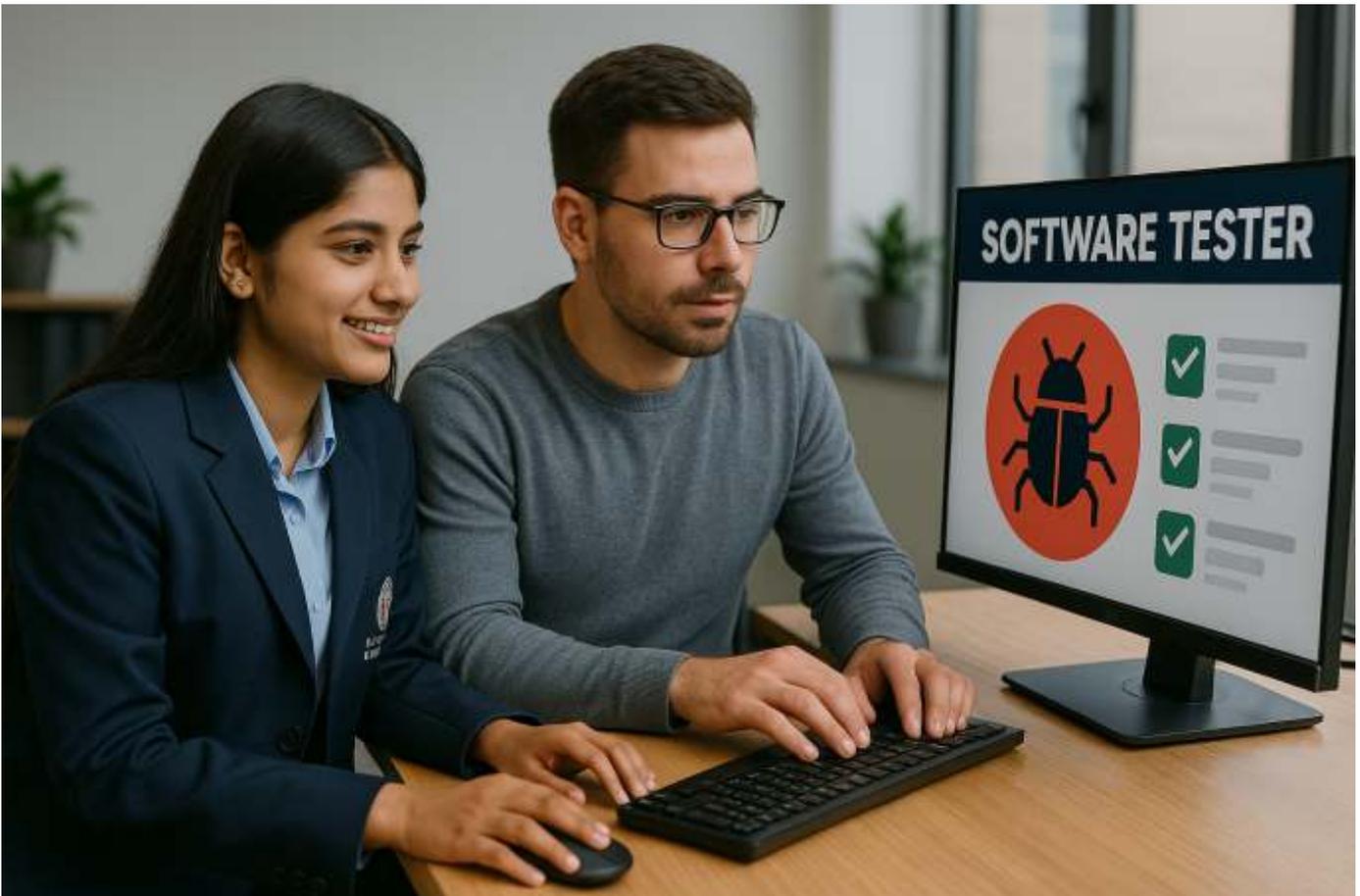
Free Learning Platforms:
Google Digital Garage, HubSpot Academy, Meta Blueprint etc.

Paid Learning Platforms:
Coursera Digital Marketing Specialization, LinkedIn Learning etc.

To Become a Software Tester (QA)

Software testers ensure that software products meet quality standards before release, identifying bugs and issues.

Skills Required:
- ❖ Understanding of software development lifecycle.
- ❖ Ability to design comprehensive test cases and scenarios.
- ❖ Knowledge of manual and automated testing techniques.
- ❖ Familiarity with testing tools like Selenium, Junit.
- ❖ Attention to detail and analytical mindset.
- ❖ Effective communication skills for reporting bugs.
- ❖ Basics of scripting for automation.

Tools You'll Use:
Selenium, JUnit, Jira, TestRail.

What You'll Do on the Job:
Design and execute test plans, identify and document bugs, collaborate with developers, ensure product reliability.

Free Learning Platforms:
Test Automation University, Ministry of Testing (Free Resources) etc.
Paid Learning Platforms:
Udemy QA Courses, Coursera Testing Specializations etc.

To Become a Cybersecurity Analyst

Cybersecurity analysts protect organizations from cyber threats by monitoring systems and responding to breaches.

Skills Required:

❖ Solid understanding of cybersecurity principles and protocols.
❖ Ability to conduct risk assessments and threat analysis.
❖ Familiarity with firewalls, intrusion detection systems, and encryption.
❖ Knowledge of compliance and regulatory standards (e.g., GDPR, ISO).
❖ Skills in forensic analysis and incident response.
❖ Experience with security tools like Nessus, Splunk, EnCase.
❖ Strong problem-solving and attention to detail.
❖ Effective communication skills for reporting bugs.
❖ Basics of scripting for automation.

Tools You'll Use:
Firewalls, IDS/IPS, Nessus, Splunk, EnCase.

What You'll Do on the Job:
Monitor security system, analyse breaches, implement defences, ensure compliance, conduct forensic investigations.

Free Learning Platforms:
TryHackMe (Free Tier), Cybrary (Free Tier), Hack The Box (Free Labs) etc.
Paid Learning Platforms:
IBM Cybersecurity (Coursera), Cybrary Pro etc.

To Become a Data Science / Analyst

Data scientists analyze large datasets to derive actionable insights that help businesses make informed decisions.

Feature	Data Scientist	Data Analyst
Background	A Data Scientist deals with various data operations.	A Data Analyst's role is related to data cleaning, transforming and generating inferences from data.
Scope	Involved with several underlying data procedures	Involvement is limited to small data and static inferences.
Type of Data	Handles structured & unstructured data	Deals with structured data only
Skills	Possesses knowledge of mathematics, statistics & machine learning algorithms	Has problem solving skills, knowledge of basic statistics
Tools	Proficient in SAS, Python, R, TensorFlow, Hadoop, Spark	Knows Excel, SQL, R (in some cases), Tableau

Skills Required:

❖ Proficiency in programming languages like Python or R.

❖ Strong foundation in statistics and mathematics.

❖ Ability to clean, wrangle, and preprocess data.

❖ Understanding of machine learning algorithms and model building.

❖ Skills in data visualization and storytelling.

❖ Knowledge of databases (SQL) and big data tools (Hadoop, Spark).

❖ Domain knowledge to interpret results effectively.

Tools You'll Use:
Python, R, Pandas, NumPy, Scikit-learn, TensorFlow, Tableau, SQL, Hadoop, Spark.

What You'll Do on the Job:
Collect and clean data, build predictive models, visualize insights, communicate findings, support data-driven decisions.

Free Learning Platforms:
Kaggle Learn, freeCodeCamp (Data Analysis), Google Data Analytics (Audit Mode) etc.

Paid Learning Platforms:
DataCamp, Coursera Data Science Specializations, edX Data Science Programs etc.

To Become an Entrepreneur

Entrepreneurs identify opportunities and build businesses from the ground up. This path requires leadership, vision, and adaptability.

WHY DO PEOPLE BECOME ENTREPRENEURS?

Top 5 Reasons why people start their own Business

1. More Money
2. Be your own boss
3. Decision making Authority
4. Pick the team you want to work with
5. Legacy: Leaving your footprint

Skills Required:

❖ Strong business acumen and strategic thinking.
❖ Leadership and team management capabilities.
❖ Financial literacy and budgeting skills.
❖ Marketing knowledge to promote products/services.
❖ Product development and project management skills.
❖ Resilience and risk management in uncertain environments.
❖ Networking and communication skills for fundraising and partnerships.

Tools You'll Use:
Project management tools (Trello, Asana), financial software (QuickBooks), communication tools (Slack).

What You'll Do on the Job:
Identify market gaps, develop business plans, lead operations and teams, manage finances, seek investors, drive growth.

Free Platforms:
Y Combinator Startup School, Coursera (Audit Mode) etc.
Paid Learning Platforms:
Harvard Online (Entrepreneurship Essentials), Wharton (Coursera Specialization) etc.

Overall Success Rate: After completing all the mentioned courses based on the student's choice and interest, the overall success rate becomes **100%**.

Higher Studies in India

Pursuing higher studies after graduation is a significant step for students aspiring to gain advanced knowledge, specialize in a field of interest, or build a strong foundation for research or a global career. At Sobhasaria Group of Institutions, students are encouraged and supported to prepare for prestigious postgraduate programs both in India and abroad.

GATE (Graduate Aptitude Test in Engineering) is a highly competitive national-level examination conducted by the IITs and IISc. It serves as a gateway for admission into postgraduate programs such as M.Tech, ME, and Ph.D. in premier Indian institutions like IITs, NITs, and IISc Bangalore. Apart from admissions, a good GATE score can also open doors to public sector undertakings (PSUs) such as ONGC, BHEL, NTPC, and IOCL for lucrative job opportunities. Our institution offers guidance and mentorship to help students prepare for GATE through counselling.

Here's a tentative schedule for GATE examination based on the typical timeline followed by IISc/IITs. Please note that the exact dates may vary slightly each year and are officially announced on the GATE website depending on organizing institute.

Event	Tentative Dates
Release of GATE Notification	Last week of August
Start of Online Application Process	1st Week of September
Last Date for Application (without late fee)	4th Week of September
Last Date for Application (with late fee)	1st Week of October
Application Correction Window Opens	2nd–3rd Week of October
Admit Card Release	1st Week of January
GATE Exam Dates	1st & 2nd Week of February (Sat–Sun)
Answer Key Release	3rd Week of February
Objection/Challenge Window	3rd–4th Week of February
Result Declaration	3rd Week of March
Scorecard Availability	Last Week of March

Approximate Qualifying Cut-off Marks

These are estimated values based on historical trends (2022–2025) to help students prepare with a target. Actual cut-offs are published by the GATE organizing institute after the exam.

Paper Name	General	OBC-NCL/EWS	SC/ST/PwD
Computer Science & EngineeringIII Sem	32-33	29-30	21-22
Mechanical Engineering	27-29	24-26	18-19
Civil Engineering	26-28	23-25	17-19
Electrical Engineering	28-30	25-27	18-20

Subject wise GATE Marks Distribution for the Computer Science & IT

The following table presents a year-wise analysis of marks distribution across key subjects in the GATE examination for the Computer Science & Information Technology (CSIT) stream from 2018 to 2023 as available on Google. This analysis aims to provide insights into subject-wise trends and weightage, enabling aspirants to prioritize their preparation based on historical patterns. The average marks column serves as a useful metric to identify consistently high-weightage subjects.

Subject	2018	2019	2020	2021	2022	2023	Average
General Aptitude	15	15	15	15	15	14	**14.83**
Engineering Mathematics	7	4	5	6	7	6	**5.83**
Digital Logic	4	4	4	4	4	5	**4.33**
Compiler Design	8	8	9	8	7	9	**8.17**
Theory of Computation	10	10	10	9	7	6	**8.67**
Discrete Mathematics	11	11	11	9	12	12	**11.00**
Computer Organization and Architecture	7	7	6	10	9	8	**7.83**
Computer Networks	6	8	8	7	11	5	**7.83**
DBMS	8	10	10	8	9	7	**8.67**
Operating Systems	8	7	6	7	7	6	**7.00**
Algorithms	10	12	12	11	9	11	**10.83**
Programming & Data Structure	10	10	10	6	9	9	**9.00**

Admission to IITs via COAP (Common Offer Acceptance Portal):

COAP is an online platform used by IITs and IISc to offer M.Tech admissions based on GATE scores. Candidates "apply separately" to individual IITs via their official portals, and then use COAP to view and accept offers. How to apply:

❖ Register on https://coap.iitd.ac.in
❖ Enter GATE details (year, score, paper code).
❖ Apply to individual IITs (e.g., IIT Bombay, IIT Madras, IIT Delhi etc.).

Log in to COAP to view admission offers from IITs during 5 regular rounds + additional rounds.

Admission to NITs, IIITs via CCMT (Centralized Counselling for M.Tech/M.Arch/M.Plan Admissions):

CCMT is used for admissions in NITs, IIITs, and GFTIs. Managed by NITs and based on GATE score only. How to apply for admission:

❖ Register on https://ccmt.admissions.nic.in
❖ Fill choices for desired institutes and programs.
❖ Participate in 3 main rounds + 2 special rounds.

Allotment is based on GATE score, minimum 60% in qualifying degree (55% for SC/ST/PwD), preferences, and seat availability. Different institutes have different cut off ranks.

Higher Studies Outside India

For students aiming to pursue higher education abroad, standardized tests like IELTS and GRE are essential:

IELTS (International English Language Testing System): This test measures the English language proficiency of non-native speakers and is accepted by universities in countries like the UK, Canada, Australia, and New Zealand. A good IELTS score is often a basic requirement for admission, scholarships, and even visa approval.

Preparing for **IELTS** in India involves a combination of strategy, practice, and exposure to English. Here's a comprehensive roadmap to help a student in India prepare effectively:

Step 1: Understand the Exam Structure

IELTS has **four sections**:

Section	Duration	Description
Listening	~ 30 minutes	4 recorded monologues/conversations
Reading	60 minutes	3 passages (Academic or General)
Writing	60 minutes	2 tasks: description/report + essay
Speaking	11-14 minutes	Face-to-face interview with examiner

Choose your test type: **Academic** (for higher education) or **General** (for migration, work).

Step 2: Gather Resources

Official Sources:
- ❖ IELTS.org
- ❖ Cambridge IELTS books (1–18 series)
- ❖ British Council's IELTS prep materials
- ❖ IDP India's free mock tests

Free Online Resources:
- ❖ YouTube channels (IELTS Liz, IELTS Advantage, E2 IELTS)
- ❖ Apps: IELTS Prep by British Council, Magoosh IELTS, IELTS Prep App by IDP
- ❖ Websites: ieltsliz.com, ieltsbuddy.com, ieltsmentor.com

Step 3: Create a 4–8 Week Study Plan

Here's a **sample 4-week plan** for daily practice (can be stretched to 8 weeks):

Week	Focus Area	Activities
1	Orientation & Llistening	Learn format, solve 1 test daily, note down mistakes
2	Reading & Vocabulary	Practice skimming/scanning, note new words, use flashcards
3	Writing (Task 1 & 2)	Practice 1 task/day, get feedback from a mentor/coach
4	Speaking & Mock Tests	Practice with partner, record yourself, take full-length mocks

Step 4: Practice English Daily

Listening: Watch English movies, TED Talks, podcasts (BBC, NPR)
Reading: Read newspapers like The Hindu, Indian Express, or The Guardian
Speaking: Practice with friends, tutors, or language exchange partners
Writing: Maintain a daily journal; write summaries and essays

Step 5: Consider Coaching (Optional but Useful)

You can join an IELTS coaching center in India or take online classes. Good options include:

- ❖ British Council (Online and offline)
- ❖ IDP India IELTS Coaching
- ❖ Magoosh / Leap Scholar / Udemy courses
- ❖ Local institutes in cities like Delhi, Jaipur, Bangalore, etc.

Step 6: Take Mock Tests

Simulate real exam conditions at least once a week.

Use official Cambridge mock tests.

Time yourself strictly and assess with sample band descriptors.

Step 7: Register for IELTS

Register at [IDP India IELTS Website](#)

Choose Computer-Based Test (CBT) or Paper-Based Test

Test fee is approx. Rs.16,250 (as of 2025)

IELTS Scoring Each section is scored out of Band 9.

Most universities abroad require: 6.5 or 7.0 overall (with no band below 6.0)

When are IELTS Exams Held in India?

Paper-Based IELTS:

- ❖ Conducted 2–4 times every month, mostly on Saturdays and Thursdays.
- ❖ Both Academic and General Training tests are available on select dates.

Computer-Based IELTS:

- ❖ Held almost every day, Monday to Saturday, in major cities across India.
- ❖ Offers flexible slots (morning, afternoon, evening).

When are IELTS Results Declared?

Paper-Based Test:

Results declared in 7 days after the test date.

Computer-Based Test:

Results declared in 3 to 5 days after the test date

The official website to register for the IELTS exam in India is:

https://www.ieltsidpindia.com

This site is managed by **IDP Education**, the exclusive body that conducts IELTS in India.

GRE (Graduate Record Examination): GRE is a standardized test that evaluates verbal reasoning, quantitative reasoning, and analytical writing skills. It is a prerequisite for many master's and doctoral programs, especially in the United States and some European countries. A strong GRE score enhances a student's chances of getting into top global universities with scholarships.

How to Prepare for GRE:

1. Understand the GRE Exam Structure

The GRE General Test has the following sections:

Section	Time	Details
Verbal Reasoning	2 sections, ~18 min each	Reading comprehension, sentence equivalence, and text completion
Quantitative Reasoning	2 sections, ~21 min each	Arithmetic, algebra, geometry, data analysis
Analytical Writing	1 task – 30 minutes	"Analyse an Issue" purpose
Unscored/Research	Variable (optional)	For ETS research purposes, does not count toward score

Total test time: Approximately 1 hour 58 minutes (reduced in recent GRE update)

2. Gather Study Materials

Official Resources:
- ❖ ETS Official Guide to the GRE
- ❖ Power Prep Practice Tests (free from ETS)
- ❖ ETS GRE Analytical Writing Sample Essays

Recommended Books:
- ❖ Manhattan Prep 5 lb. Book of GRE Practice Problems
- ❖ Kaplan GRE Prep Plus
- ❖ Barron's GRE
- ❖ Magoosh GRE Online Prep

Online Platforms:

Magoosh, GregMat, PrepScholar, Manhattan Prep, Kaplan, Udemy Free YouTube Channels: GregMat, Magoosh, Veritas Prep

3. Build Vocabulary

GRE verbal sections require strong vocabulary. Use:
- ❖ Magoosh GRE Word List
- ❖ Barron's 333 High-Frequency GRE Words
- ❖ Flashcards (Anki app, Quizlet)

Read **The Economist, The New Yorker**, or **Science News** to build context and comprehension

4. Practice Quantitative Reasoning

Brush up on:
- ❖ Algebra, Arithmetic, Geometry, Data Interpretation, Word Problems
- ❖ Practice with ETS Quantitative Reasoning Practice Questions
- ❖ Focus on accuracy first, then speed

5. Practice Analytical Writing

- ❖ Understand the format of "Analyse an Issue" task
- ❖ Practice 2 essays/week
- ❖ Use ETS's pool of writing topics
- ❖ Get feedback from mentors or use essay grading tools (like GMAT Club or Magoosh)

6. Take Mock Tests

- ❖ Simulate full-length tests (use PowerPrep tests by ETS)
- ❖ Analyse mistakes after each test
- ❖ Track improvement in scores and timing

7. Register for the GRE

Visit the **official ETS website**:
https://www.ets.org/gre
Registration Fee: **$220** (approx. Rs.18,000)
You can take the GRE **at test centres** or **at home (online GRE)**

Target Scores:

Section	Competitive Score
Verbal Reasoning	155+
Quantitative Reasoning	160+
Analytical Writing	4.0+
Total (scaled)	315-330+

Top universities (Ivy League, MIT, Stanford, Purdue, Penn State, USC, Georgia Techetc.) often expect **320+** total score.

A Few government-recognized platforms for pursuing Master's degree programs:

To assist students in exploring authentic and government-recognized platforms for pursuing Master's degree programs in engineering abroad, the following table lists a few country-wise official admission portals along with direct website links. Kindly ensure to personally verify the authenticity of the portals and programs before proceeding with applications or payments.

Country	Official/Central Platform	Website Link
Germany	DAAD (German Academic Exchange Service)	https://www.daad.de/en
France	N+i Network, Campus France	https://www.nplusi.com, https://www.campusfrance.org/en
Ireland	Education in Ireland	https://www.educationinireland.com
Australia	Study in Australia	https://www.studyaustralia.gov.au
Italy	Study in Italy (MIUR), Universitaly	https://studyinitaly.esteri.it, https://www.universitaly.it
UK	UCAS Postgraduate, British Council Study UK	https://www.ucas.com/postgraduate, https://study-uk.britishcouncil.org
USA	EducationUSA (U.S. State Dept.)	https://educationusa.state.gov

Activity Diary of Sobhasaria School of LAW

Educational Visit to Jodhpur High Court: Educational Visit to Jodhpur High CourtAn educational visit to the Hon'ble Jodhpur High Court was organized on 20th January 2025 for 33 students of BA LLB (1st, 3rd, and 5th semesters) from Sobhasaria School of Law. The students observed live court proceedings and interacted with legal professionals, gaining practical exposure to the judicial system. We sincerely thank the court authorities for their support. Such visits enrich students' learning beyond the classroom.
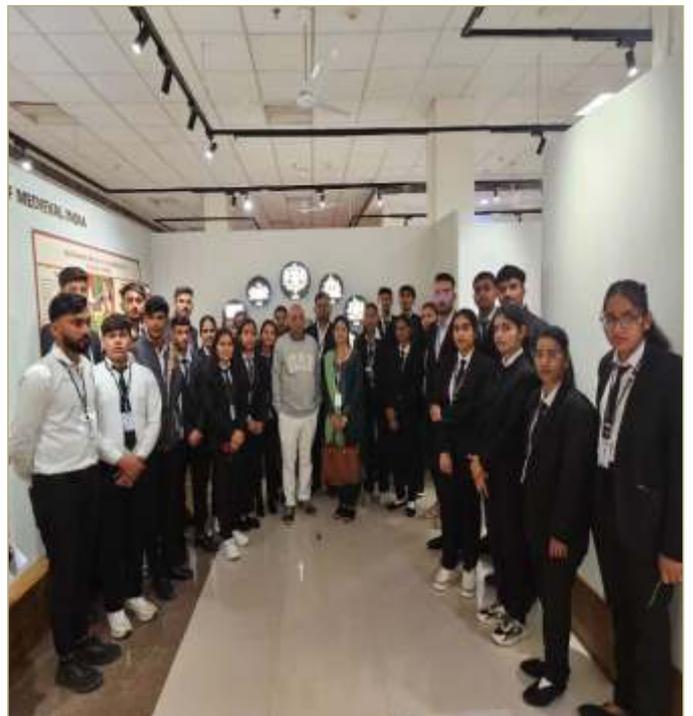
Educational Trip to Jodhpur and Jaisalmer: Sobhasaria School of Law organized a successful 3-day educational trip from January 20th to 22nd, 2025. Highlights included a visit to the Jodhpur High Court and exploration of Jodhpur and Jaisalmer's cultural heritage. The trip provided valuable academic exposure and memorable experiences. We thank all supporters for making this enriching journey possible.

Celebrating 100% Result in 5th Semester: We are delighted to announce that the 5th Semester students of Sobhasaria School of Law have achieved a 100% result in their recent exams. This success reflects their hard work and discipline, along with the dedicated guidance of our faculty. Congratulations to all on this remarkable achievement!

Inter-College Constitutional Discussion: Sobhasaria School of Law hosted an engaging inter-college discussion on 3rd July 2025, focusing on key constitutional roles. Thirty-four 4th semester students participated actively. Winners were Kanishka Sharma (1st), Anushka Punia (2nd), and Varsha Jangir (3rd). The event reflected students' strong constitutional understanding and critical thinking skills.

16th Board of Governors Meeting

(31st May, 2025)

On 31st May 2025, Sobhasaria Group of Institutions convened a Board of Governors meeting, chaired by Padma Shri Mr. P.R. Agrawala. The meeting was attended by Mr. G.P. Agrawala, Mr. K.B. Agrawala, Mr. Ravi Agrawala, Mr. Ramesh Agrawala, Mr. Avnish Agrawala, Mr. Manoj Joshi, Ms. Shriranjani Joshi, CA Mr. Sunil Mor, Dr. L. Solanki, Mr. Pradeep Sharma, and Dr. Harshita Garg.Several eminent academicians were specially invited to provide academic advisory. Notable among them were Dr. Mukesh Sharma, Professor at Dr. Bhimrao Ambedkar Law University, Jaipur; Prof. V.S. Nirban and Prof. Shamik Chakravarti from BITS Pilani; and Prof. J.D. Soni, Professor at Sikar College and In-charge of the Sikar Incubation Centre.The discussions centered around academic progress, alignment with the National Education Policy (NEP) 2020, and the vision to elevate the institution to university status. The invited experts endorsed this strategic direction, emphasizing the importance of quality education, research, and multidisciplinary development as pillars for future growth.

From Struggle to Space: The Chandrayaan Scientist from Sobhasaria

Mr. Sandeep Jangir, an Electrical Engineering graduate from the 2010 batch of our institute, has made us immensely proud with his inspiring journey and achievements.

He comes from a village near Surajgarh and belongs to a modest economic background. During his student life, he faced financial hardships—at times unable to deposit his fees. To support himself, he gave tuitions and, as he gratefully recalls, his friends also helped pay his fees so he could continue his studies.

Despite these struggles, Sandeep remained dedicated and focused. He graduated in 2010 as the University Gold Medallist, receiving the honour from the Governor of Rajasthan. His teachers, Mr. Subhash and Mr. S. M. Jakhar, fondly remember him as a hardworking, sincere, and intelligent student.

After graduation, he moved to Delhi to prepare for competitive exams. He enrolled in a coaching institute for six months and attempted multiple examinations. As per Sandeep, he failed in at least 20 attempts initially. Disheartened but determined, he returned to Sikar, shared a room with a friend, and analysed his shortcomings.

Realizing the need for focused preparation, he distanced himself temporarily from friends and family to fully concentrate on his studies. He revised all his notes, rebuilt his confidence, and reappeared in the exams this time successfully cracking almost all of them.

He joined ISRO and worked at various levels and locations. His initial deputation was at Jodhpur, after which he was posted to Hyderabad, where he currently works on the communication systems of satellite projects.

The college was overwhelmed with pride when it was learned that Mr. Sandeep Jangir was part of the team that successfully launched Chandrayaan-3, which made a historic landing on the southern part of the Moon a feat accomplished by India for the first time in the world. (Note: Please verify this fact for formal documentation.)

Mr. Sandeep Jangir visited the Sobhasaria Group of Institutions on 21 June 2025. During his visit, he shared two pieces of joyful news he will soon be joining a new post in Karnataka with greater responsibilities, and he has recently been blessed with twins.

The Sobhasaria Group of Institutions was honoured to welcome back one of its most accomplished alumni and wholeheartedly wishes him continued success and happiness in both his personal and professional life.

Honouring a Hero at His Alma Mater

Opening New Horizon for Business

Operation Sindoor reflected not only India's military precision and accuracy in demolishing the terror hubs with indomitable courage but also reflected the might of our advance indigenous "made in India" defence equipments. Operation Sindoor has given new confidence and enthusiasm to the fight against terror across the world.

Operation Sindoor ,india's military action over the Pahalgam attack in J&K, highlighted the nation's defence technologies that included drone technologies opening a new door of defence business. An undisclosed number of Skystriker drones made in Bengaluru through an India-Israel collaboration were deployed in India's cross border strikes during the operation. An undisclosed number of these suicide drones were produced at a manufacturing facility in western Bengaluru through a collabotative partnership between Alpha Design and Israel based Elbit Security system. The use drone technology has created a business category forecasting huge demand in the years to come.

India's domestic Drone ecosystem was highlighted after the success of military dron like **Skystriker** destroyed terror camps in Pok. Earlier drone technology was used for commercial purposes and for the first time it has been used in such a strategic level, opening a new sector for business across the world.

Recent Development:

· The military drone market generated a revenue of $654 million in 2024 and is estimated to reach $1.43 billion by 2030 according to Grand View research.

❖ Defence remains the largest market for drone in India.

❖ As of now Russia, US, Canada, Germany and Israel are dominating the military drone market.

❖ India account for 3.8% of the Global military drone market in 2024.

❖ PSU involved in Drone manufacturing are HAL, Bharat Dynamics and BEL.

❖ Private Sector companies like Alpha Design Technologies, Adani defence System, Paras Defence and Aerospace and Tata Advance System are also trying to capture the growing market.

India is also developing anti-drone system like the " Bharagavastra" design to neutralize drone swarms and AI powered system like " Indrajaal"to counter aerial attack. India has largest share (22.5%) in import of unmanned aerial vehicle (UAV) between 1985 and 2014.

The drone services market is divided into three categories - drone maintenance, repair and overhaul (MRO), drone platform services and drone training and education services. The drone service market in India was valued at USD130.4 million in 2020 and is expected to reach USD4, 918.9 million by 2030, at a CAGR of 44.4 % . Drone service market segment, drone MRO services and drone training and education services are predicted to grow at a CAGR of 46.8 and 45.2%, respectively, from 2020 to 2030. By 2030, the combined share of these two segments is expected to be 25%. Under Production-linked incentive scheme, the government will provide a total incentive span over three fiscal years, of INR1.2 billion (USD162 million) to drone manufactures/industry.

The drone market is expected to generate numerous direct and indirect jobs in manufacturing, operations, maintenance, and related service sectors. The drone services market, including maintenance, repair, and training, is also experiencing significant growth, with a projected value of $4,918.9 million by 2030.This is an opportunity for budding techno-professionals to make an amendment in their vision and mission.

Dr.Bineet Sinha

सीकर भास्कर 03-04-2025

पद्मश्री प्रहलाद राय अग्रवाला के जन्म दिवस पर पर्यावरण को समर्पित अनोखी पहल

86 विभिन्न प्रकार के वृक्षारोपण

बीसीए व बीबीए के छात्रों ने लहराया परचम

शोभासरिया के छात्रों ने लहराया परचम

परिंडा वितरण एवं स्थापना कार्यक्रम आयोजित

सीकर भास्कर 23-04-2025

शोभासरिया: इलेक्ट्रिकल इंजीनियरिंग में 100% प्लेसमेंट

अदिति ने प्राप्त किया स्वर्ण पदक

सीकर भास्कर 25-05-2025

सीनियर्स के सम्मान में सांस्कृतिक प्रस्तुतियां दीं

शोभासरिया ग्रुप में बोर्ड ऑफ गवर्नर्स की बैठक सम्पन्न

सोभासरिया ग्रुप के छात्रों का टीसीएस और एक्सेंचर कंपनियों में चयन

सोभासरिया में एनएसएस व इन्वोक चैरिटी द्वारा परिंडा अभियान का शुभारंभ

शोभासरिया ग्रुप में फेरवेल पार्टी एंडलेस मेमोरीज 2025 का शानदार आयोजन

सीकर टाइम्स

न्यूज़ ब्रीफ

सोभासरिया ग्रुप में इसरो वैज्ञानिक संदीप जागिड़ का भव्य स्वागत

अंतर्राष्ट्रीय योग दिवस पर सोभासरिया ग्रुप में योग कार्यक्रम का आयोजन

सोभासरिया ग्रुप में होगा एग्री-टेक सहयोग बैठक का आयोजन

खबरें फटाफट....

सीकर जिला 24-06-2025

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