MOHIT MANGAL
A COMPLETE CAREER GUIDE

COMPUTER APPLICATION

CAREER GUIDE 2025

For students wishing to pursue Bachelor of Computer Applications or B.Sc. (IT/CS) inArchitecture & Network Security, Artificial Intelligence, Augmented Reality and Virtual Reality, Big Data Analytics, Block Chain, Cloud Computing, Cyber Security, Data Analytics, Devops, Ethical Hacking, Full Stack, Game Technology, Internet of Things, Machine Learning, Mobile Application Development, Network Administration, UI/UX, Web Technology, etc. after 12th in India

ABOUT THE AUTHOR–
MR. MOHIT MANGAL

Mr. Mohit Mangal is a visionary **Author, Career Counselor, and Consultant to the Ministry of Education**, Government of India, with over **22 years** of experience in shaping the futures of India's youth. He has guided more than **7.5 lakh students** through his Career Workshops across India and abroad, making him one of the most respected voices in career counselling today.

Central to Mr. Mangal's approach are three key pillars: encouraging 'self-discovery', fostering 'holistic education', and promoting 'careers in India' among students.

Mr. Mangal's sessions are designed to help students through **self-discovery** - identifying their unique strengths, values, and passions. He is also a strong advocate for **holistic education**, emphasizing the need to equip children with life skills, emotional intelligence, and a mindset for critical & design thinking. Recognizing the pressing issue of brain drain, he is deeply committed to promoting **careers in India**, helping students uncover the immense potential within India's rapidly growing economy.

Mr. Mangal has authored more than 22 books including the most acclaimed Parents' Handbook of Careers After School in India. His publications have got appreciation by the **Honorable Prime Minister of India, Shri Narendra Modi**, among others.

Mr. Mangal's influence extends beyond mentoring and counseling sessions; he has delivered over **1,750 inspiring talks**, and given guest lectures at esteemed institutions like IIM Ahmedabad, IIT Mumbai, NID, and NIFT, among others. His upcoming initiative, the iQue Foundation, further underscores his vision of promoting career opportunities in India.

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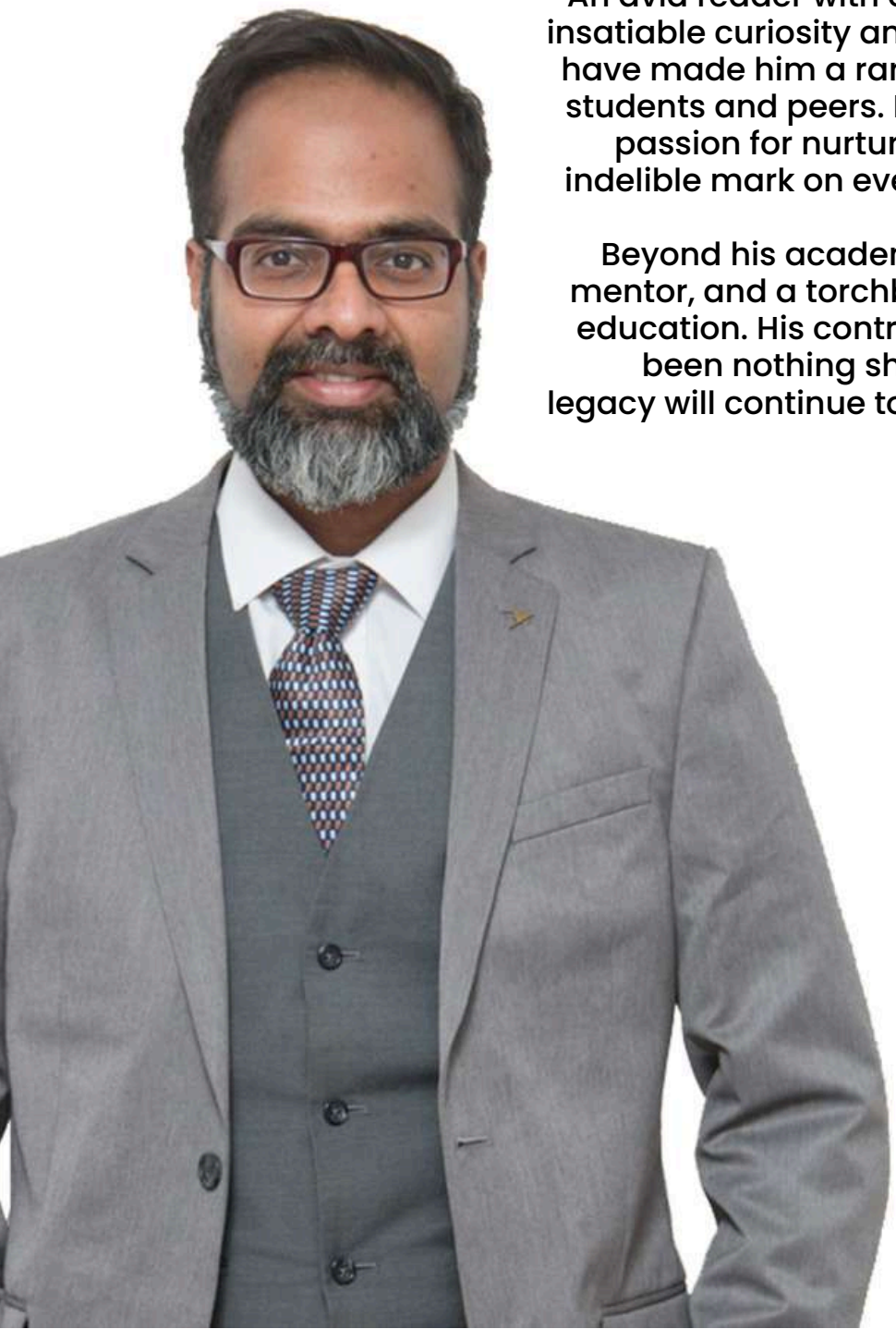
ABOUT THE ADVISOR-
MR. SATHYANARAYAN

Mr. N. Sathyanarayan, a scholar of remarkable intellect and curiosity, has been a pivotal force in shaping the foundation of our efforts to build this. As a Computer Engineer and Masters of Business Administration from the Prestigious IIT-Madras, he brought unparalleled depth and insight to the process, lending his **17 years of academic excellence** and practical wisdom to this initiative.



An avid reader with over **FIVE thousand books**, his insatiable curiosity and commitment to knowledge have made him a rare educator who inspires both students and peers. His meticulous approach and passion for nurturing young minds have left an indelible mark on every page of these handbooks.

Beyond his academic prowess, he is a thinker, a mentor, and a torchbearer for the value of holistic education. His contributions to this initiative have been nothing short of transformative, and his legacy will continue to guide countless students on their paths to success.

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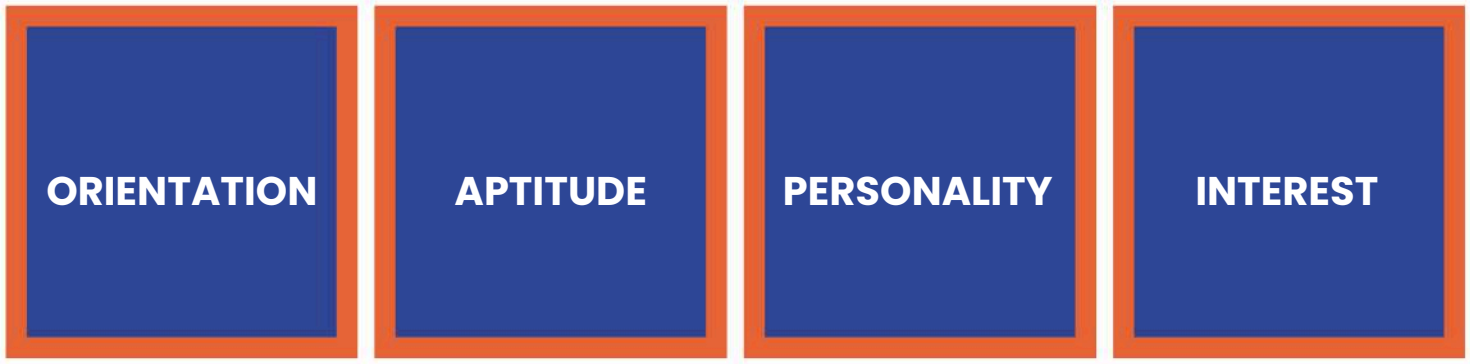
Mr. Mohit Mangal's Signature Four Quarter Square Method:

The Four Quarter Square Method is an innovative and structured approach developed by Mr. Mohit Mangal to provide impactful career counseling. By focusing on four key dimensions—Orientation, Aptitude, Personality, and Interest—this method offers a comprehensive understanding of an individual's potential and career path.



Orientation:

Orientation analyzes how individuals approach learning and decision-making. It considers Academic Orientation, which focuses on theoretical and structured learning, and Practical Orientation, which emphasizes hands-on problem-solving and real-world application. People Orientation highlights strong interpersonal and collaborative focus, while Closed or Preconceived Orientation identifies a rigid mindset that requires broadening perspectives.

Aptitude:

Aptitude assesses natural talents and capabilities. Mathematical & Computing Aptitude reflects logical reasoning and technical problem-solving skills, while Scientific Aptitude emphasizes critical thinking and experimentation. Social Sciences & Languages Aptitude highlights communication and cultural understanding, and Skill-Based Aptitude focuses on practical, task-oriented abilities that align with specific trades or crafts.

Personality:

Personality provides insights into traits and role compatibility. Low Academic / Low Practical individuals often require motivation and foundational skill-building. Low Academic / High Practical individuals are creative and excel in hands-on tasks. High Academic / Low Practical individuals are curious and explorative learners, while High Academic / High Practical individuals embody visionary leaders and strategists.

Interest:

Interest aligns passions with career opportunities. It considers specific subjects or skills that individuals enjoy, as well as general observations from hobbies or activities. Understanding how individuals interact with their environment and people provides further clues to aligning career paths with their intrinsic motivations.

This method dynamically integrates these dimensions, offering career recommendations that are aligned with market realities and personal potential. Under Mr. Mangal's expert guidance, the Four Quarter Square Method has set new benchmarks in career counseling by empowering individuals to make informed and fulfilling career choices.

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2. For the latest updates, we strongly urge you to check and rely on the actual website of the College / Univ. or the test conducting body given in the Book.
3. The list of colleges provided for different courses are limited and not exhaustive. Few lists are ranked and other lists are in alphabetical order of the states.
4. The Ranking of colleges given in the book are based on the 20 Years of experience in the education sector of the Authors. The ranking given is the true understanding and view point of the authors and may differ with others.
5. The Compiled Content including degree nomenclatures, entrance exams details, website addresses etc. in the book has been gathered from various authentic sources like Ministry of Education (MoE), Higher Education Commission of India (HECI), University Grants Commission (UGC), All India Council for Technical Education (AICTE) and National Council for Teacher Education (NCTE), Individual College / University or Institution websites, etc. This data is being used for educational and information giving purpose. The author acknowledges all sources whether mentioned or otherwise.
6. Few abbreviations which are used in the Compilation: PI (Personal Interview), GD (Group Discussion), SA (Skill Assessment), WAT (Written Ability Test), MP (Micro Presentation), SOP (Statement of Purpose), RPT (Remote Proctored Test)
7. Please Note that the Dates mentioned are tentative according to current/previous Schedule of Entrance Exams. For detailed information on the same, kindly visit the mentioned website under every test.

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What is Computer Applications?

Computer Applications refers to the study and use of software programs and systems that are designed to perform specific tasks on a computer. These applications help users carry out a variety of functions, ranging from word processing and data analysis to graphic design, communication, and entertainment. In an academic context, it involves learning how to effectively use different types of computer software and understanding the underlying technologies that support these applications

Computer application courses involve the study of algorithms, data structures, basic and advanced programming with C language, web programming, database management systems, web programming, visual programming and. The computer application courses are usually a combination of both theoretical and practical knowledge and are sub-categorized into Operating systems, Office Applications, Professional Software, and Business Communication & Outreach. Students are taught a wide range of topics from computer fundamentals, MS Office, internet applications, operating systems, database management systems (DBMS), and HTML. In addition to this, they also learn to use and work with tools that help in developing faster as well as better applications. In a nutshell, computer application course details are aimed at providing research-based training so that students can become efficient and professional software developers.

Although knowing how to program is essential to the study of computer studies it is only one element of the field. Computer professionals design and analyse algorithms to solve programs and study the performance of computer hardware and software. The problems that computer professionals encounter range from the abstract-- determining what problems can be solved with computers and the complexity of the algorithms that solve them – to the tangible – designing applications that perform well on handheld devices, that are easy to use, and that uphold security measures.

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The high-rise demand of IT professionals and the promising scope has made it to be one of the most sought-after career options. Software services are being increasingly demanded by global MNCs to boost their sales as well as improve internal efficiency. The automation of processes and excellence in service deliverables have given extreme thrust to this field.

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Career Prospects after Education in Computer Applications

TECHNICAL CAREERS (Programming)

Ai Architect

Professional who designs and implements AI systems and frameworks that help organizations leverage AI technologies to solve complex business problems. AI Architects focus on creating efficient, scalable, and sustainable AI solutions by combining various machine learning (ML), deep learning, and data science techniques.

Android Developer

An Android Developer is primarily responsible for developing mobile applications that run on the Android operating system, which powers billions of devices worldwide. These developers write code, create app functionality, and ensure that apps provide a smooth user experience across a variety of devices.

Application Designer

Application Designer is a professional who specializes in creating the blueprint for software applications. They are responsible for defining the structure, user interface, and functionality of an application to ensure it meets the needs of both users and businesses.

Big Data Engineer

Big Data Engineer is an IT professional who designs, builds, and maintains systems that process large data sets. They work with data to make it useful for business analysts and data scientists.

Bioinformatics and Programmer Analyst

Build programs by using computational formulas and to determine outcomes based on biological research or projects.

Blockchain Developer

Develop and optimize Blockchain protocols, craft architecture, and develop smart contract and apps using block chain technology.

Cloud Security Specialist

Cloud Security Specialist is an expert responsible for ensuring the safety and integrity of an organization's data, applications, and systems hosted in the cloud. With the increasing adoption of cloud computing technologies, the role of a Cloud Security Specialist has become crucial in protecting sensitive information from threats, data breaches, and

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cyberattacks.
Cloud Support Engineer
Cloud Support Engineers are technical professionals who ensure the smooth operation and maintenance of cloud-based systems and services. They serve as the primary point of contact for clients and internal teams when it comes to troubleshooting, optimizing, and securing cloud environments.
Cloud System Administrator
A technology professional who handles cloud computing services for their organization. As a cloud administrator, your job duties are to transition locally hosted infrastructure to the cloud, configure cloud environments to meet your company's needs, and architect systems for data management.
Computer Systems Analyst
Computer systems analysts study an organization's current computer systems and procedures and design information systems solutions to help the organization operate more efficiently and effectively. They bring business and information technology (IT) together by understanding the needs and limitations of both.
Cryptologist
A Cryptologist is a specialized expert in the field of cryptography, which is the practice and study of techniques for securing communication and information through encoding, encryption, and decryption methods. Cryptologists focus on developing algorithms, systems, and protocols to protect data from unauthorized access and ensuring the confidentiality, integrity, and authenticity of information.
Cyber Security Analyst
A cyber security analyst is primarily responsible for protecting a company's network and systems from cyber-attacks. This involves researching upcoming IT trends, creating contingency plans, reviewing suspicious activities, reporting security breaches, and educating the rest of the company on security measures.
Data Analyst
A data analyst reviews data to identify key insights into a business's customers and ways the data can be used to solve problems. They also communicate this information to company leadership and other stakeholders.
Data Scientist
Data Scientists are responsible to analyses and interpret the data to create an actionable

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report for a company or a client. They collect structured and unstructured data from various resources and clean the same to get accurate and reliable information. Left minded students can grow easily as a data scientist using good statistical, mathematical and programming skills.
Database Administrator
DBA or Database Administrator are bestowed with the job of designing, implementation, maintenance, and repair of an organization's database. They operate and administer various database systems and ensure the effective storage and organizing of data.
Database Developer
A Database Developer is a professional who specializes in the design, development, and management of databases. They play a critical role in ensuring that data is stored, organized, and accessible in an efficient and secure manner.
Embedded Systems developer
An embedded systems or software engineer helps design, develop, and maintain embedded systems in products. The role often includes software development. But it also requires knowledge of entire embedded systems.
Ethical Hacker
Ethical Hacker hacks into a computer network in order to test or evaluate its security, rather than with malicious or criminal intent.
Information Security Analyst
The main role of an Information security analyst is to ensure the security of a company's digital assets & network systems. They take the necessary security measures to protect data and information from cyber-attacks.
IOS Developer
An iOS Developer is a professional who specializes in designing, developing, and maintaining applications for Apple's iOS platform, which includes iPhones, iPads, and other iOS-based devices. This role requires a deep understanding of Apple's ecosystem, programming languages, development tools, and guidelines.
IoT Architect
An IoT solutions architect is a professional role involved in developing practical uses and applications of internet of things technology. The IoT solutions architect typically works with engineers and salespeople to facilitate process development.

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IoT Developer
IoT developers possess the skills of machine learning and big data management that helps them in making predictions based on the identification of data patterns. Every company needs skilled IoT developers IoT software app development who can harvest the data from the IoT sensors and connected devices.
Mobile App Developer
A Mobile App Developer is a professional who specializes in creating, designing, and maintaining applications for mobile devices such as smartphones and tablets. These applications, or mobile apps, are built for platforms like iOS (Apple devices) and Android (devices running Google's operating system). Mobile app developers use various programming languages, frameworks, and tools to build apps that provide functionality, entertainment, social interaction, and other services to users.
Multimedia/Web Programmer
A multimedia/web programmer works with different multimedia features such as, text, sound, graphics, digital photography, 2D/3D modelling, animation and video. The role demands a combination of both creative and technical skills.
Network Administrator
A network administrator is an IT professional who ensures that an organisation's computer networks—groups of digital devices that share information with one another—are operating to meet the needs of the organisation. They can maintain and troubleshoot computer networks, and employ security principles to keep networks secure.
Network Architect
The primary role of Network architects is to create computer networks in a building, city, country or even globally. They install and configure the hardware and software required for communication in a network and between the networks. Thereafter, they are responsible for troubleshooting, maintaining and upgrading network systems.
Network Engineer
A Network Engineer is a professional responsible for designing, implementing, managing, and maintaining an organization's computer networks. These networks enable communication and data sharing across devices, systems, and locations. Network engineers ensure that the infrastructure is robust, secure, and efficient to support the daily operations of businesses, ranging from local area networks (LAN) to wide area networks (WAN) and even cloud-based solutions.

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Network Security Engineer
A network security engineer is responsible for planning, designing, optimizing, auditing and troubleshooting network security systems. This way, they make sure that the organization doesn't suffer any kind of cyber-attack.
Operating System Programmer
Install, customize and maintain operating system as well as install and upgrade products which run on that system.
Penetration Tester
A Penetration Tester (often called a "Ethical Hacker") is a cybersecurity professional responsible for testing and evaluating the security of computer systems, networks, and applications. Their primary role is to simulate cyberattacks to identify vulnerabilities before malicious hackers can exploit them. Penetration testers use various tools, techniques, and methodologies to uncover weaknesses in systems, applications, and networks and help organizations strengthen their defenses against cyber threats.
Programmer/Coder
Computer programmers write programs in a variety of computer languages such as C++ and Java, update and expand existing programs, build and use computer-assisted software engineering (CASE) tools to automate the writing of some code, use code libraries to simplify writing and debug programs by testing for and fixing errors.
Quality Analyst
This career is also known as a Quality Assurance Analyst. Being a Quality Analyst, a candidate is responsible to evaluate software or products. They ensure that the products and Software are bug-free and fulfil all the requirements to meet the goals.
Robot Coordinator
A Robot Coordinator is a professional responsible for overseeing the operation, management, and integration of robotic systems within various industries. This role involves coordinating tasks between robots, humans, and other systems to ensure smooth and efficient performance. Robot coordinators work in industries such as manufacturing, logistics, healthcare, and more, where robotics is increasingly used for automation and precision.
Robotic Design specialist
The Robotic Design Specialist Coordinates, organizes, and schedules an engineering and

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programming team to create, build, and integrate robotic systems. Develops, maintains, and implements a standard approach to programming and program structures. Oversees and participates in quality checks before delivery of product.
Security Architect
A cyber security architect (sometimes just called a “security architect”) is responsible for designing, creating, and maintaining the security systems within an organization's IT network, including the computer systems and data. In other words, they are the go-to person, the one in charge, in the area of cyber security.
Security Expert
A Security Expert is a professional responsible for protecting an organization's assets, data, systems, and networks from security threats, including cyberattacks, data breaches, and unauthorized access. Security experts design, implement, and maintain security protocols and measures to safeguard an organization's infrastructure and information from a variety of risks.
Senior Cloud Architect
A Senior Cloud Architect is a highly experienced IT professional responsible for designing, implementing, and managing cloud-based solutions for an organization. They work with cloud platforms such as Amazon Web Services (AWS), Microsoft Azure, Google Cloud, and others to create scalable, secure, and cost-effective cloud infrastructure tailored to meet business needs. Senior Cloud Architects are responsible for overseeing the entire cloud architecture, ensuring that the systems are reliable, efficient, and aligned with the organization’s goals.
Senior Technical Consultant
Senior technical consultants are individuals who are normally hired by a business in order to help troubleshoot various problems, improve the overall efficiency of the company, and to help cut costs wherever possible to do so. The areas that consultants normally work in are management, financial, scientific and technical, or professional.
Software Application Architect
A software architect is a software development expert who makes high-level design choices and tries to enforce technical standards, including software coding standards, tools, and platforms.
Software Developer
Software developers are concerned with facets of the software development process

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such as in design and coding, computer programming, project management, etc. They develop and create effective software and application systems which get to provide much needed digital solutions in the field.
System Designer
Navigate the industrial dimensions of computer science with the relevant skillsets to pursue lucrative career prospects.
Systems Engineer
A Systems Engineer is a professional who designs, integrates, and manages complex systems or infrastructures within an organization. They ensure that all components of a system work harmoniously to meet specific requirements, solving problems and optimizing processes. Systems engineers are typically involved in the entire life cycle of a system, from its conception and design to its development, testing, deployment, and maintenance.
Technical Support Engineer
A Technical Support Engineer is a professional responsible for providing assistance and resolving technical issues related to software, hardware, or IT systems for users, businesses, or customers. Their role is to ensure that the technology and systems used by individuals or organizations function properly and efficiently.
Web Application Developer
A Web Application Developer is a software development professional responsible for designing, building, and maintaining web applications. These are interactive, user-friendly programs or platforms accessed through web browsers, which can range from simple websites to complex systems like e-commerce sites, social media platforms, or enterprise solutions.
Web Designer
Candidates who have good knowledge of web programming languages can become a web developer. Having a creative mind and problem-solving skills is helpful to flourish in Web Development. Their task includes creating web apps, APIs, etc. to meet the requirement. In today's era, Web Developers are in high demand among careers in computer science. Web Developers can get a job in a company as a frontend developer or backend developer.
Web Developers
Develop effective web software which will get to provide the much-needed digital

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solutions to the field of web technology.
TECHNICAL CAREERS (Creative)
Animator
An animator creates animation and visual effects for television, movies, video games, and other media. They create two- and three-dimensional models and animation. Although most multimedia artists are self-employed, some work directly for the motion picture and video industry.
AR And VR Artist
Develop Augmented Reality and Virtual Reality systems which can be fully utilized in gaming experiences.
Audio and Video Technologist
Audio visual production specialists install, monitor and maintain sound and video equipment, including speakers, microphones, video monitors and projection screens.
Game Designer
Game Designers often work as part of a team to create video games. They come up with the games' concepts, characters, setting, story, and game play. Designers must work with artists and programmers to create the scripting language and artistic vision for a game.
Game Environment Designer
Effectively develop gaming environments which will express effective real time game plays for players.
Game FX Engineer
Develop real gaming images to come in sync with live action footage through advanced rendering techniques.
Graphic Designer
Graphic Designers create visual concepts, by hand or using computer software, to communicate ideas that inspire, inform, or captivate consumers. They develop the overall layout and production design for advertisements, brochures, magazines, and corporate reports.
User Interface Designer
Design and develop various systems and user interfaces which can provide the most effective solutions for various development processes.
VFX Designer
Visual-effects artists and supervisors create special effects, animation and do visual clean-up for feature films and commercials. One day, you may be supervising a shot of film

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extras so they can be digitally duplicated into a scene.
Visual Communication Designer
Visual communications designers are specialized graphic designers that use graphics software applications to create visual design elements for publishers, website developers and other multimedia companies. Companies then use these materials on their websites, print materials, packaging and other visual media.
Wearable Technology Design
Create effective designs in wearable technology which blend in to become a part of individual lifestyles.
TECHNICAL CAREERS (Others)
Blockchain Business Analyst
A Blockchain Business Analyst is a professional who bridges the gap between blockchain technology and business operations. They play a crucial role in helping organizations understand and leverage blockchain solutions to meet business goals. By analysing both technical and business aspects, Blockchain Business Analysts ensure that blockchain projects align with the company's objectives, improve operational efficiency, and solve existing business problems.
Blockchain Consultant
A Blockchain Consultant is a specialized professional who advises organizations on the potential applications and implementation of blockchain technology. They possess a deep understanding of blockchain's underlying principles, such as distributed ledger technology, cryptography, and smart contracts.
Field Service Engineer
A Field Service Engineer is a technical professional who works on-site at customer locations to install, repair, and maintain equipment and systems. They possess a blend of technical expertise and problem-solving skills to diagnose and resolve complex issues.
Forensic Expert
A Forensic Expert is a professional who applies specialized knowledge and techniques to assist in criminal investigations, legal proceedings, and civil cases. They analyse evidence, often gathered from crime scenes or other sources, to help determine the facts surrounding an incident. Forensic experts play a critical role in the criminal justice system by providing objective, scientifically-backed evidence that can be used in courts of law to establish the facts of a case.
Intelligence analyst
An Intelligence Analyst is a professional who collects, analyses, and interprets information to produce intelligence assessments. They use a variety of techniques to identify trends, patterns, and potential threats or opportunities. Intelligence analysts work across various

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sectors, including government, military, law enforcement, and private industry.
SEO Analyst
The main responsibility of an SEO analyst is to audit the website of a client or a company. They also analyse the competitor's website and modify the client's website accordingly to get it rank high in a search engine like Google, Yahoo. Candidates who are not much interested in coding but having a basic knowledge of HTML language can go for this career which is one among the best careers in computer science.
Software Consultant
Software consultants are responsible for evaluating the client's business and its IT processes to provide software solutions to enhance business efficiency.
Software Publisher
Software publishers disseminate licenses to customers for the right to execute software on their own computers. Operators in this industry market and distribute software products and may also design the software, produce support materials and provide support services.
System Analyst
System Analysts research about the existing problems in systems and plan solutions for the problem. They also recommend solutions to software and system related problems and coordinate development between business development teams. They analyse various systems and to produce effective solution which can be utilized for further development.
Technical Writer
Technical writers have a blend of writing skills and knowledge of technology. As a technical writer one needs to write technical documents such as product descriptions, user manuals, design specifications, project plans and papers.
MANAGERIAL CAREERS
Chief Information Security Officer
The CISO (chief information security officer) is a senior-level executive responsible for developing and implementing an information security program, which includes procedures and policies designed to protect enterprise communications, systems and assets from both internal and external threats.
Chief IoT Officer
Chief IoT Officer is an executive job title given to the person at an enterprise in charge of how products that support the Internet of Things (IoT) are developed and implemented to best support company objectives and goals.
Cloud Product Manager
A Cloud Product Manager is a technology professional who oversees the lifecycle of cloud-based products and services. They are responsible for defining the product vision,

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strategy, and roadmap, and ensuring its successful delivery and adoption.
IoT Product Manager
IoT (internet of things) product managers are product professionals who drive the business strategy and development of products connected to the internet. You might also know IoT products as smart devices or internet-enabled devices. The role is in a wide range of industries.
IT Manager
An Information Technology Manager is responsible for implementing and maintaining an organization's technology infrastructure. Businesses rely on a central information processing system to support efficient data management and communications.
GOVERNMENT RELATED JOB OPPORTUNITIES
Central Research Organizations
Work with Digital India Corporation (DIC), Indian Computer Emergency Response Team (ICERT), National Informatics Centre (NIC) etc.
Government Jobs
Many government information technology companies and government like BHEL, NSDL, MTNL and BSNL are hiring computer science graduates.
Indian Armed Forces
Any graduate can join Armed Forces through the Combined Defense Services examination, conducted by UPSC, as a regular/short service commissioned officer. One can also apply for Indian Air Force through AFCAT exam, Indian Navy through INAT exam and Indian Coast Guard through various entry schemes open for graduates.
Indian Civil Services
One can join the prestigious 3 all India Civil Services including Indian Administrative Service (IAS), Indian Police Service (IPS) and Indian Forest Services (IFoS). One can also join any of the 16 Group 'A' Civil Services including Indian Foreign Service (IFS), Indian Audit and Accounts Service (IAAS), Indian Revenue Services (IRS) Etc. and other Central Group 'A' and Group 'B' Civil services.
ACADEMIC CAREERS
Teaching with School/University
Provide Training & Support in institutions/Universities.

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Qualities required in the Candidate who wishes to pursue Computer Applications
Proficiency with Programming Languages
Eagerness to learn new concepts and apply them for problem solving
Mathematical bent of mind
Problem solving skills
Communication skills
Writing skills
Curiosity and Inquisitiveness

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Degrees Available in Computer Applications

Degree Nomenclature	Level	Duration	General Eligibility
DCA (Diploma in Computer Application)	Diploma after 12th	1 Year	10+2 any Stream
BCA (Bachelor of Computer Applications)	Bachelor Degree	3 Year	10+2 any Stream/with Maths
B. Com (CS) (B.Com. with Specialization Computer Science)	Bachelor Degree	3 Year	10+2 any Stream/with Maths
B.Sc. (CS) (B.Sc. with Specialization in Computer Science)	Bachelor Degree	3 Year	10+2 any Stream/with Maths
B.Sc. (IT) (B.Sc. with Specialization in Information Technology)	Bachelor Degree	3 Year	10+2 any Stream/with Maths
BBA-IT (BBA with Specialization in Information Technology)	Bachelor Degree	3 Year	10+2 any Stream/with Maths
BCA+MCA (5 Year Integrated)	Bachelor + Master	5 Year	10+2 any Stream/with Maths
B.Sc. + M.Sc. (IT) (5 Year Integrated)	Bachelor + Master	5 Year	10+2 any Stream/with Maths
PGDCA (Post Graduate Diploma in Computer Application)	PG Diploma	1 Year	Any Bachelor
MCA (Master of Computer Application)	Master Degree	3 Year	Any Bachelor
M.Sc. (IT) (M.Sc. with Specialization in Information Technology)	Master Degree	2/3 Year	Any Bachelor
M.Sc. (CS) (M.Sc. with Specialization in Computer Science)	Master Degree	2/3 Year	Any Bachelor
Ph. D. / D. Phil. (Doctor of Philosophy)	Doctoral	2 Year	Master's
D. Sc. (Doctor of Science)	Post-Doctoral	-----	Ph. D.

*** ELIGIBILITY NOTE**: *For Computer application related bachelor degrees, many colleges accept students from any stream of 11th/12th. There are few colleges who need 11th/12th with English as a Compulsory Subject. There are other few colleges which require 11th/12th with Maths/Statistics/Computer Studies/Business Mathematics as a Compulsory subject. There are still few colleges who need 11th/12th either with PCM or with PCB for getting in BCA/B.Sc. (CS/IT).*

** One of the major changes introduced by the National Education Policy 2020 was the discontinuation of the MPhil programme (Master of Philosophy) across India. Instead, emphasis has been placed on a four-year Bachelor's degree (undergraduate) and a research-intensive Master's degree (post-graduation). Till Implementation of the NEP 2020 completely, please check individual university websites to know the current status of their M.Phil. offering.*

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Specializations available in Computer Applications along with Course Description and Core Subjects of Study

Specialization:

Advanced Operating System

Description of Course:

Android offers a unified approach to application development for mobile devices which means developers need to only develop for Android and their applications should be able to run on different devices powered by Android. This extendable application environment of Android calls for its increased requirement in industries, thus offering immense scope for Android application developers. Pursuing this specialized program will provide for the students an in-depth understanding into these modern trends of technology.

Core Subjects of study:

- Fundamentals of Computer & PC Software
- Fundamentals of Web Development
- Python Programming
- Fundamentals of Programming using C
- Relational Database Management System
- Open-Source Technology using PHP
- Data Structures
- Business Information Systems
- Data Communication and Computer Networks
- Operating System
- Advanced Operating System
- Core Java
- Mobile Application Development
- Web Application Development Using ASP.NET
- Computer Graphics
- Data Science using Python

Specialization:

Animation & VFX/ UI-UX / Digital Design

Description of Course:

Animation, by which we understand creating an illusion of motion, is a very popular field. The same goes

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with VFX, where realistic images are obtained which would otherwise be impossible to achieve in reality. During the course, one will also come across various technologies that are used in the animation field to create virtual games, cartoons, videos and even full-length animated movies. As for visual effects, one gets to learn how to create or manipulate visual images and make them look realistic.

Core Subjects of study:

- Introduction to Multimedia & its Applications
- Animation
- Environmental design
- Photography
- 2D Animation
- Introduction to stop motion
- Cinematography
- Video & Sound Editing
- Layout Design & Animation
- Television & Film Production Analysis
- Introduction to Maya
- Character Design
- Motion Graphic
- Digital Editing and Motion Graphics in Maya
- Postproduction Animation
- Foundation of Art
- Visual Communication
- Computer Applications
- Multimedia and Graphics
- Web Technology
- Fundamentals of Art & Design
- 3D Animation & Modeling
- Basics of Digit Film production
- Gaming Technology
- Rigging and Animation in Maya
- Visual Effects Design
- Production Process
- Composting Techniques
- Lighting and rendering in Maya
- Introduction to gaming software

Specialization:

Application Development / Software Development

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Description of Course:
The advent of Internet technology in the mid-90s brought a major transformation in the world. Mobile application sector has seen phenomenal growth due the technological advancements. The industry today requires professionals who have specialized knowledge in these areas. The program ensures that the students are trained in core areas of computer science with specialized focus on mobile technology.
Core Subjects of study:
• Fundamentals Of Application Development • Language for Cross Platform • UI/UX • Basic iPhone Programming • Advanced Android Programming • Web Technology • Database Management System • Basic Android Programming • Cross Platform App Development • Advanced iPhone Programming
Specialization:
Architecture & Network Security
Description of Course:
In this program students will get the practical knowledge of IT infrastructure and security. Students will able to configure, maintain and secure the IT devices as per the industry requirements. Nowadays security is the main concern of any growing IT organization so that they require the candidates with that knowledge of security as well as the infrastructure. The course objective is to provide students with an in-depth understanding of all concepts of IT infrastructure such as networking, servers, virtualization, cloud computing and IT infrastructure security so that students can make bright career in IT industry.
Core Subjects of study:
• Computer Fundamentals • Enterprise network designing • Linux • Database • Ethical Hacking • IT infrastructure design • Forensic investigation • OS fundamentals

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- Server operating systems
- Virtualization principles
- Network Security
- Penetration Testing
- Cyber Laws
- Malware Analysis

Specialization:

Artificial Intelligence

Similar Specializations: Artificial Intelligence and Machine Learning, Visual Reality, Artificial Intelligence & Robotics

Description of Course:

Artificial Intelligence provides to the students a wide spectrum of digital technology through intelligence systems, beyond the scope of electronics, the field also ventures into various domains such as robotics. Thus pursuing this specialized program will provide for the students an in-depth understanding into these modern trends of technology.

Core Subjects of study:

- Fundamentals of Computer & PC Software
- Python Programming
- Relational Database Management System
- Basic Software Engineering
- Business Information Systems
- Core Java
- Operating System
- Web Application Development Using ASP.NET
- Computer Graphics
- Fundamentals of Programming using C
- Fundamentals of Web Development
- Open Source Technology using PHP
- Data Structures
- Data Communication and Computer Networks
- Mobile Application Development
- Artificial Intelligence
- Aptitude
- Data Science using Python

Specialization:

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Big Data Analytics

Description of Course:

The world has been shaped by information and data which comes in endless streams and avenues, and the emergence of social and digital media has made data collection and analysis a fundamental process. The program provides to the students a specialized understanding of the contemporary trends in data which allows students to have a competitive advantage in the industry.

Core Subjects of study:

- Fundamentals of Programming using C
- Open-Source Technology using PHP
- Relational Database Management System
- Fundamentals of Computer & PC Software
- Data Structures
- Business Information Systems
- Big Data Analytics
- Communication & Programming Skills
- Fundamentals of Web Development
- Basic Software Engineering
- Python Programming
- Data Communication and Computer Networks
- Mobile Application Development
- Web Application Development Using ASP.NET
- Operating System
- Data Science using Python

Specialization:

Bioinformatics

Description of Course:

Bioinformatics is the application of computer technology to the management of biomedical sciences. The future and present scope of Bio-informatics is increasing as the need of Bio Science is increasing rapidly. It has become an important part of many biomedical researches. There are many opportunities in this field making it as one of the highly paid sectors in India and abroad especially.

Core Subjects of study:

- Fundamentals of Computer & PC Software
- Fundamentals of Programming using C

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- Financial Accounting
- Basic Software Engineering
- Data Structures
- Core Java
- Operating System
- Mobile Application Development
- Bioinformatics
- Fundamentals of Web Development
- Elementary Mathematics
- Relational Database Management System
- Open Source Technology using PHP
- Data Communication and Computer Networks
- Web Application Development Using ASP.NET
- Communication & Programming Skills
- Business Information Systems

Specialization:

Blockchain Technology

Description of Course:

Blockchain technology educates the masses about distributed computing and crypto currencies. It's being used at a global level in insurance, financial services, health care, supply chain, IOT, etc. which has urged huge companies to shift to Blockchain platforms. Blockchain rose to prominence due to its primary application in bit coins, Ethereum, etc., however it's now expanding its utilization in areas of time stamping, logging of critical events, transactions and e-governance as well.

Core Subjects of study:

- Fundamentals of Web Development
- Python Programming
- Relational Database Management System
- Data Structures
- Data Communication and Computer Networks
- Mobile Application Development
- Block Chain Technology
- Data Science using Python
- Fundamentals of Programming using C
- Basic Software Engineering
- Open-Source Technology using PHP
- Core Java
- Web Application Development Using ASP.NET

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- Business Information Systems
- Operating System
- Computer Graphics

Specialization:

Business Intelligence & Analytics

Description of Course:

The Program is the best and worldwide unique combination of essential elements of the Data field, such as database architecture, data mining, data warehousing, and data analyses. Apart from it students will be able to well equip with database design, implementation, and administration. This program has been designed in such a way to prepare students for the evolving and growing field needing data engineers, by providing them the holistic knowledge and technical skill to engineer big data systems, curate data, and integrate and process data so that data scientist and business analysts can access and interpret data in context to provide meaningful results to management.

Core Subjects of study:

- IT Programming- Java
- Big Data Hadoop Architecture
- Data Analytics Programming Language
- Business Analytics
- Data Science Exploration
- Artificial Intelligence
- Natural Language Processing (NLP)
- Data Management and Relational Database Modeling
- Introduction to Business Analytics
- Statistical Analysis
- Visual Insight of Data – Exploring Data Graphically
- Comprehensive Data Science Programming
- Deep Learning

Specialization:

Cloud Computing

Similar Specializations: Cloud & Application Development, Cloud Technology & Data Security

Description of Course:

Cloud computing technology makes it possible for students to become experts in networking services in the IT industry. Now a days majority of the industries/businesses opt for cloud services rather than

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investing in infrastructure. This means that this specialization of computer science has enough challenges and research opportunities for the prospective students to explore and work at.

Core Subjects of study:

- Application testing tools
- Networking
- Version Control
- Scripting Language – Bash Shell Scripting, JavaScript
- AI and ML
- CI/CD
- Containers
- Ansible for Network Automation
- Hardware
- Linux
- Cloud Computing
- Programming Technologies – .Net, Java, React Native, Python
- Configuration Management
- Automation
- Docker Swarm
- Kubernetes Administration

Specialization:

Computer Hardware & Networking

Similar Specializations: Cloud & Application Development, Cloud Technology & Data Security, Cloud Computing

Description of Course:

Computer Hardware and Networking deals with design and development of new models and hardware products. The professionals work on maintenance and quality analysis of existing designs. For this very purpose, aspirants need to have a deep understanding of electric circuitry, quality control and programming skills and this program prepares students for a high level of effectiveness in the industry.

Core Subjects of study:

- Fundamentals of Computer & PC Software
- Fundamentals of Programming using C
- Python Programming
- Open Source Technology using PHP
- Core Java
- Web Application Development Using ASP.NET

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- Business Information Systems
- Operating System
- Data Science using Python
- Fundamentals of Web Development
- Relational Database Management System
- Basic Software Engineering
- Data Structures
- Data Communication and Computer Networks
- Mobile Aimpplication Development
- Computer Hardware & Networking
- Computer Graphics

Specialization:

Cyber Security & Forensics

Similar Specializations: Cyber Security, Information Security & Cyber Forensic, Cryptography, Ethical Hacking , Cloud Computing, Cloud & Application Development, Cloud Technology & Data Security, IMS , IMS Cyber Security, Cyber Security & cyber Digital Forensics, Cloud IT & Security

Description of Course:

An advanced combination of legal sciences and network protection is what gave birth to the specialized field of Cyber Security and Forensics. The world has become an interconnected web of digital technology which has exposed and has kept the people engaged on various levels. Thus, with such an exposure it has become of great importance to ensure that the protection and securing of the individual's privacy, and data encryption. Cyber security allows students to have a mastery of the hands-on experience which is required for students to provide security solutions in the cyber spaces.

Core Subjects of study:

- Fundamentals of Computer & PC Software
- Fundamentals of Programming using C
- Relational Database Management System
- Open-Source Technology using PHP
- Data Communication and Computer Networks
- Core Java
- Operating System
- Business Information Systems
- Data Science using Python
- Fundamentals of Web Development
- Python Programming

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- Basic Software Engineering
- Data Structures
- Communication & Programming Skills
- Web Application Development Using ASP.NET
- Mobile Application Development
- Cyber Security & Forensic

Specialization:

Data Management & Visual Insight

Description of Course:

The program is a world wild unique combination of essential elements of the Data field, such as database architecture, data meninges, data warehousing, and data analytics. Apart from it students will be able to well equip with data base design, implementation, and administration. This program has been designed in such a way to prepare students for the evolving and growing field needing data engineers, by providing them the holistic knowledge and technical skill to engineer big data systems, curate data, and integrate and process data so that data scientists and business analysts can access and interpret data in context to provide e meaningful results to management. This program will offer a multitude of courses in data engineering that are required to deliver the data results in a meaningful way to management.

Core Subjects of study:

- IT Programming – OOPS and Java
- Web Programming
- MVC Design & Development
- Data Analytics Programming Language
- Business Analytics
- R Programming
- Data Management and Relational Database Modelling
- Internet Programming – HTML5 , CSS , Java Script
- Big Data Hadoop
- Statistical Analysis
- Visual Insight of Data – Exploring Data Graphically
- Data Science using R

Specialization:

Data Science

Description of Course:

Data Science is an interdisciplinary field that uses scientific methods and algorithms to extract knowledge

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and insights from data. With the volume of data increasing day by day, it becomes important for a business to be able to analyze and use huge data and derive insights. In order to build good Data Scientists, it is imperative to provide the right type of knowledge and lay strong foundations for the aspiring students.

Data Science is one of the most sought after careers that offers excellent prospects for the future. The degree offers an extensive blend of Computer Science, Mathematics and Statistics over a 3 year period. This programme grants a true understanding of data programming, Statistical Analysis and the usage and interpretation of data.

Core Subjects of study:

- Introduction to Data Science
- Data Structures and Algorithm
- DBMS (Database Management System) with SQL
- Statistical Programming
- Machine Learning Techniques
- Big Data architecture and Ecosystem
- Core Java
- Deep Learning
- Data Visualization
- Artificial intelligence
- Mathematics for Data Sciences
- Python programming
- Data Analysis using Spread Sheet (VBA)
- Advanced Databases
- Foundations of Machine Learning
- Advanced Java
- Big Data Analysis
- Data Security and Compliance

Specialization:

Digital Marketing

Description of Course:

The rise of social media and digital marketing strategies have allowed many businesses to excel in building an online presence. Students will be able to learn how to exploit the techniques to develop a brand and drive organic traffic to website also learn marketing basics, graphics design, Search Engine Optimization SEO, Search engine marketing (SEM), web analytics, content marketing, types of marketing, User Experience (UX) & User Interface Design, Web Designing, Advertising etc.

Core Subjects of study:

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- Basics of Marketing and Branding
- Digital Marketing vs Real Marketing
- Market Research
- Content Marketing
- Website designing and creation
- Search Engine Optimization
- Search Engine Marketing
- Email and Mobile Marketing
- Creating Digital Marketing plan
- SWOT Analysis
- Data and Digital Marketing Analytics
- Online Reputation Management
- SEO/SEM

Specialization:

FinTech (IT)

Description of Course:

The program includes traditional finance and accounting coursework, but also provides an in-depth knowledge and understanding of the theories and evolution of FinTech, data-driven financial modeling, financial data mining and machine learning, financial data analytics, and new innovations in the financial sector, including AI, block chain, cloud computing, machine learning, crowd funding etc.

This program is made for students to make their future ready in the fields of Finance, Accounting, Financial markets and Technologies where technology disruption has started and skilled workforce who are competent in Finance & Technology is the need of the hour.

Core Subjects of study:

- Business Organization and Management
- Financial Accounting
- Financial Market Operations
- Computerized Accountancy
- Company & Tax Laws
- Financial & Accounting Reporting & Analysis
- Financial Analytics Programming for FinTech
- FinTech Primer
- Risk Management & Cyber security
- Fintech: Block chain, Crypto currencies & Smart Contracts
- Entrepreneurial Finance
- Business Computing

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- Business Economics & Laws
- IT Programming for FinTech
- Financial Planning & Modeling
- Financial Econometrics
- Data Modeling and Visualization in Finance
- Banking Technology and Management
- FinTech & Associated Risk
- Artificial Intelligence and Machine Learning for Finance
- Data Mining & Predictive Modeling
- FinTech Governance , Risk Management & Compliance

Specialization:

Full Stack Web Development

Description of Course:

Full Stack Web developers are often called as the Swiss Army Knife of the code world. They are responsible for generating end to end solutions which are high in demand. The modern era has been characterized by the need for effective and efficient digital systems, which has turned the world into a globalized web of computer aided technologies creating endless career and learning avenues for aspiring web developers.

Core Subjects of study:

- Fundamentals of Computer & PC Software
- Fundamentals of Programming using C
- Relational Database Management System
- Open Source Technology using PHP
- Web Application Development Using ASP.NET
- Operating System
- Mobile Application Development
- Full-stack Web Developer
- Fundamentals of Web Development
- Python Programming
- Basic Software Engineering
- Data Structures
- Data Communication and Computer Networks
- Core Java
- Business Information Systems

Specialization:

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Game Design / Gaming Technology

Description of Course:

Gaming Technology offers students an insightful and comprehensive understanding into the mechanism of the new and growing field of gaming. India is now big gaming development centers like Ubisoft, Microsoft, Nvidia and Electronic Arts. In the imaginable future, careers in gaming sector would be booming in India due to which there will be a significant boom in the demand for gaming courses. Through this program the students will get to learn all the essential elements required to navigate the field of Gaming Technology.

Core Subjects of study:

- Relational Database Management System
- Basic Software Engineering
- Data Structures
- Data Communication and Computer Networks
- Gaming Technology
- Business Information Systems
- Data Science using Python
- Open Source Technology using PHP
- Python Programming
- Web Application Development Using ASP.NET
- Operating System
- Mobile Application Development
- Core Java
- Computer Graphics

Specialization:

IMS & Cloud Technology

Description of Course:

IMS in Infrastructure Management has been developed with industry requirements in mind and it emphasizes practical, application-oriented learning. The Program equips students with an in-depth knowledge of all aspects of IMS such as Networking, Operating Systems, Virtualization, and Data Center Technologies.

Core Subjects of study:

- Computer hardware maintenance and diagnostic
- Server Operating System

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- Designing Enterprise Network
- IT Service Management Terminology & Key Concepts
- Virtualization essential
- Fundamentals of VoIP
- Public cloud
- Fundamentals of Data center
- Application Programming
- Database admins and Security
- Mail servers
- Security management Systems
- Private cloud
- Introduction to Cloud Technology

Specialization:

Information and Communication Technologies

Description of Course:

Information and Communication Technology provides students with the knowledge and skills to be an information and communication technology professional. The course focuses on computer and network configurations, web and application programming, and database design and maintenance.

This degree program is a course which provides students with the opportunity to study a range of subjects including software technology, network technology, systems management, systems analysis and business systems. The course's emphasis is on knowledge and skills needed for a wide variety of employment positions in ICT.

Core Subjects of study:

- Fundamentals of Programming
- Networking Fundamentals
- Multimedia Technologies
- Web Development
- Mobile Development
- Database Management Systems
- Database Administrations
- Fundamentals of AI/ML

Specialization:

Internet of Things (IoT)

Description of Course:

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Internet of Things provides innovative business opportunities, and growth and development prospects in IT sector. It helps companies to easily gather necessary information regarding customer satisfaction and grievances and product designing. The program helps students acquire knowledge of fundamental concepts, design strategies, technical architecture, infrastructure requirements, services, deployment model, tools and techniques required in IoT through syllabus designed in alignment with latest trends

Core Subjects of study:

- Fundamentals of Computer and C -Programming
- Hardware and C Programming
- Fundamentals of IoT and Applications
- Data Communications & Computer Networks
- Wire and Wireless Network
- RFID and Sensor Networks
- Network Simulator
- Implementing IoT with Raspberry Pi

Specialization:

Networking

Other Similar Specializations: Hardware and Networking, Advanced Networking and Cyber Security, Networking Technologies

Description of Course:

The program helps to provide in-depth conceptual understanding and knowledge of the best technology in Networking. It aims to produce efficient, smart networking / hardware professionals in the field of Networking and Infrastructure Support Services in the Software Service Industry. Modern internet services and communication involves huge infrastructure backbone which includes networking backbone devices, hardware devices, software, wireless devices, cabling infrastructure, etc.

The program provides a strong foundation on understanding the Fundamentals of Troubleshooting Personal Computer Hardware, Networking Backbone Devices, Data Cabling, Server Installation / Administration, Network Planning and System Administration.

Core Subjects of study:

- Principles of Networks
- PC Assembling & Maintenance
- PC Assembling & Maintenance Lab
- Digital Systems
- Computer Networks
- Wireless Communication Networks
- Fundamentals of Virtualization

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- Network Security
- PC Assembling & Troubleshooting
- Network Administration
- Basic of Network
- Server Administration
- Cloud Computing
- Network Processing

Specialization:

Robotics

Other Similar Specializations:

(Automation, Robotics and Artificial Intelligence, Robotics and Automation)

Description of Course:

The rise in the applications of Robotics and Artificial Intelligence (AI) field powered by the rise in computer processing power. The areas related to data management is undergoing transformation due to application of novel techniques such as Machine Learning and Deep Learning. There is a huge paradigm shift towards adopting robotics and AI in many industries. AI, robotics, and automation have gained a rapidly expanding foothold in the workplace, faster than many organizations ever expected. While organizations are increasingly using these technologies to automate existing processes, true pioneers are radically rethinking on work architecture to maximize the value of both humans and machines - creating new opportunities to organize the work more effectively and to redefine the human workforce's skills and careers.

Core Subjects of study:

- Web Technologies
- Artificial Intelligence
- Expert Systems
- Fundamentals of IoT and Robotics IoT
- Machine Learning

Specialization:

Mobile Application Development

Description of Course:

Mobile Application Development is a course designed to equip students with the knowledge and skills required to build mobile apps for various platforms, primarily **iOS** and **Android**. The course focuses on both the technical aspects of mobile app creation and the principles of user experience (UX) design,

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aiming to develop competent professionals capable of delivering functional, efficient, and user-friendly mobile applications.

Core Subjects of study:

- Introduction to Mobile Application Development
- Programming Languages for Mobile Development
- Mobile Development Platforms and Tools
- Mobile User Interface (UI) Design
- Mobile App Architecture and Design Patterns
- Networking and Web Services Integration
- Data Storage and Management
- App Performance and Optimization
- Mobile App Security
- Mobile App Testing
- Mobile App Deployment and Distribution
- Cross-Platform Mobile Development
- Mobile App Analytics and Monetization
- Mobile App User Experience (UX) Design
- App Maintenance and Updates

Specialization:

Machine Learning Engineering

Description of Course:

Machine Learning Engineering is a specialized course designed to equip students with the knowledge and skills required to design, develop, and deploy machine learning models and systems. Machine learning engineers focus on the practical implementation of algorithms and systems that enable machines to learn from data and make predictions or decisions based on that data.

Core Subjects of study:

- Introduction to Machine Learning
- **Mathematics for Machine Learning**
- Programming for Machine Learning
- Data Preprocessing and Feature Engineering
- Supervised Learning Algorithms
- Unsupervised Learning Algorithms
- Deep Learning
- Model Evaluation and Selection

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- Reinforcement Learning (RL)
- Scalable Machine Learning Systems
- Model Deployment and Production
- Ethics, Bias, and Fairness in Machine Learning
- Advanced Topics in Machine Learning (Optional)
- Capstone Project or Case Studies

Specialization:

Natural Language Processing (NLP)

Description of Course:

The **Natural Language Processing (NLP) in Computer Applications** course focuses on the methods and technologies that allow computers to process and interpret human language. It covers fundamental principles, algorithms, and tools, along with hands-on practice to build practical applications. Students will gain experience in handling tasks such as text classification, sentiment analysis, machine translation, and named entity recognition (NER), among others.

Core Subjects of study:

- Introduction to Natural Language Processing
- Text Preprocessing and Representation
- Linguistics for NLP
- Word Representations
- Text Classification and Clustering
- Named Entity Recognition (NER)
- Sentiment Analysis and Opinion Mining
- Machine Translation
- Topic Modelling and Document Summarization
- Deep Learning for NLP
- Dialog Systems and Chatbots
- Text Generation and Language Modelling

Specialization:

Automation Engineering

Description of Course:

Automation Engineering in Computer Applications focuses on the design, development, and deployment of automated systems using software and hardware technologies. It involves leveraging programming languages, control systems, robotics, data analytics, and machine learning to create

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efficient, scalable, and cost-effective automated solutions.

Core Subjects of study:

- Introduction to Automation Engineering
- Control Systems and Theory
- Automation Programming
- Industrial Robotics
- Sensors and Actuators in Automation
- Supervisory Control and Data Acquisition (SCADA)
- Industrial Automation Networks
- Automation in Manufacturing Systems
- Data Analytics for Automation Systems
- Machine Learning and AI in Automation
- Robotic Process Automation (RPA)
- Security and Safety in Automation Systems
- Cloud-Based Automation and Integration
- System Design and Integration in Automation
- Emerging Trends in Automation

Specialization:

IT Project Management

Description of Course:

The IT Project Management in Computer Applications course is designed to provide students with the essential knowledge and skills needed to successfully manage projects related to the development, implementation, and maintenance of computer applications. This course covers key project management principles and methodologies, tailored to the unique challenges and requirements of managing IT projects in the realm of computer applications, such as software development, mobile app development, enterprise applications, and web-based solutions.

Core Subjects of study:

- Introduction to IT Project Management
- Project Life Cycle in Computer Applications
- Requirements Gathering and Scope Definition
- Project Planning and Scheduling
- Agile Methodologies in IT Projects
- Risk Management in IT Projects
- Budgeting and Cost Management
- Quality Assurance and Software Testing

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- Collaboration and Communication with Stakeholders
- Software Development Tools and Technologies
- Project Monitoring and Control
- Project Closure and Post-Implementation Review

MOHIT MANGAL
A Complete Career Guide

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Computer Applications Entrance Exams

Exams for Computer Applications	Institute/s admitting students for Course/s	Website
CUET (UG) (Common University Entrance Test)	For admission in BCA / B.Sc. (Hons.) courses at Central, Public and Private Universities who have opted to take UG admissions through CUET across India	https://cuet.samarth.ac.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is: Slot-1: 195 Min. Slot-2: 225 Min.
- Correct answers will be awarded 5 marks. Incorrect answers will be penalised 1 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	**Section IA:** Choose any 1 of 13 Languages	40/50	200
2.	**Section IB:** Choose any 1 of 20 Languages other than IA		
3.	**Section II:** Choose Maximum 6 of 27 Domain Specific Subjects as desired for particular course by applicable University	40/50	200
4.	**Section III:** General Aptitude Test	60/75	300

SET General (Symbiosis Entrance Test)	For admission in 3 Year Computer Applications Program at Symbiosis Institute of Computer Studies and Research, Pune, Maharashtra	https://www.set-test.org/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 60 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	General English	16	16
2.	Quantitative	16	16
3.	General Awareness	16	16
4.	Analytical & Logical Reasoning	12	12
	TOTAL	60	60

CUET (Christ University Entrance Test)	For admission in Computer Sciences and Applications Programs at Christ University, Multi Campus	https://christuniversity.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 90 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised -0.25 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	English	20	20
2.	General Knowledge	15	15
3.	Current Affairs	10	10
4.	Reasoning	20	20
5.	Mathematics	15	15
6.	Data Analysis & Interpretation	15	15
7.	Economics / Computer Science	25	25
	TOTAL	120	120

BCA-CET 114 (Common Entrance Test)	For admission in 3 year Computer Applications Program at GGS Indraprastha University, Delhi & its Affiliated Colleges	

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 150 minutes.
- Correct answers will be awarded 4 marks. Incorrect answers will be penalised 1 mark.

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S.No.	Subject(s)	No. of Questions
1.	English Language & Comprehension	15%
2.	Mathematics	30%
3.	Computer Awareness	30%
4.	General Knowledge – IT and Science Related	25%
	TOTAL	100%

BU-MAT
(Under Graduate Management Aptitude Test)

For admission in 3 Year BCA Program at Bharati Vidyapeeth, Multicampus

http://www.ipu.ac.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 150 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	Numerical Aptitude	60	60
2.	Reasoning & Logical Aptitude	60	60
3.	Verbal Ability	60	60
4.	Reading Comprehension	20	20
	TOTAL	200	200

SSSIHL-UGT
(Under Graduate Test)

For admission in 3 Year B.Sc. in Computer Science Program at SSSIHL University, Andhra Pradesh

https://bvuniversity.edu.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 180 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0.25 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	Verbal Skills	40	40
2.	Mathematical Skills	60	60
3.	Logical Reasoning and Quantitative Aptitude	60	60
	TOTAL	160	160

KALSEE
(Kalinga Scholastic Entrance Examination)

For admission in 3 Year BCA & B.Sc. CS Program at Kalinga University, Naya Raipur, Chhattisgarh

https://www.sssihl.edu.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 90 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	English Communication	25	25
2.	Logical Reasoning	25	25
3.	Quantitative Aptitude	20	20
4.	General Aptitude	20	20
	TOTAL	90	90

UG-JET
(Jain Entrance Test)

For admission in 3 Year BCA & B.Sc. Allied Programs at Jain University, Bangalore, Karnataka

https://kalingauniversity.ac.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 120 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	Reading Comprehension	20	20
2.	Subject Based	20	20
3.	Basic Mathematics	20	20

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4.	GK and Current Affairs	40	40
	TOTAL	100	100

KIIT EE
(KIIT- Entrance Test)

For admission in 3 Year BCA Program at – Bhubaneswar, Odisha

https://www.jainuniversity.ac.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 180 minutes.
- Correct answers will be awarded 4 marks. Incorrect answers will be penalised1marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	Mathematical Ability	30	120
2.	Analytical and Logical Ability	30	120
3.	Verbal Ability	40	160
4.	G.K.	20	80
	TOTAL	120	480

KIIT EE
(KIIT- Entrance Test)

For admission in all B.Sc. Computer Science at KIIT University Bhubaneswar, Odisha

https://kiit.ac.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 180 minutes.
- Correct answers will be awarded 4 marks. Incorrect answers will be penalised1marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	Maths	40	160
2.	Physics	40	160
3.	Chemistry	40	160
	TOTAL	120	480

MITWPU CET
(MITWPU – Common Entrance Test)

For admission in B.Sc. in Computers and BCA Programs at MITWPU, Pune, Maharashtra

https://kiit.ac.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 120 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	Logical Reasoning	25	25
2.	Basic Maths	25	25
3.	Basic English	25	25
4.	Computer Fundamentals	25	25
5.	Personal Interview		50
	TOTAL	100	150

KUAT
(Karnavati University Admission Test)

For admission in 4 year B.Sc. Computer Science related programs at Karnavati University, Ahmedabad, Gujarat

https://mitwpu.edu.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 90+30 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	GK	40	40
2.	Verbal	20	20
3.	Quantitative Aptitude	20	20
4.	Logical Reasoning	20	20
5.	Creative Writing	1	25
	TOTAL	101	125

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PW CET (Entrance Test)	For admission in BCA program at Patna Women's College, Patna, Bihar	https://karnavatiuniversity.edu.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 120 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalised 0 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	General English	-	-
2.	Quantitative Aptitude	-	-
3.	GK	-	-
4.	GS	-	-
	TOTAL	100	100

MSU-ET (MS University Entrance Test)	For admission in 3 Year BCA Program at MSU, Baroda, Gujarat	https://patnawomenscollege.in/

- The exam will be conducted in Pen Paper mode.
- The duration of the exam is 90 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalized 0.5 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	Computer Aptitude	25	25
2.	Logical Reasoning	25	25
3.	English Language	25	25
4.	Computer Awareness	20	20
5.	General Awareness	15	15
	TOTAL	100	100

SPPU - OEE (Online Entrance Exam)	For admission in B.Sc. (Data Science) & (3D Animation and VFX) at Savitribai Phule Pune University, Pune, Maharashtra	https://admission.msubaroda.ac.in/

- The exam will be conducted in ONLINE mode.
- The duration of the exam is 120 minutes.
- Correct answers will be awarded 1 mark. Incorrect answers will be penalized 0.33 marks.

S.No.	Subject(s)	No. of Questions	Marks
1.	GK, Aptitude, Logic, Comprehension	20	20
2.	Subject Specific	80	80
	TOTAL	100	100

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Top 90 Institutes of Computer Applications

Rank	Institute	Admission Process	Website
1	University of Madras, Chennai-Tamil Nadu	12th Merit	https://www.unom.ac.in/
2	Madras Christian College, Chennai, Tamil Nadu	12th Merit	https://mcc.edu.in/
3	University of Lucknow, Lucknow, Uttar Pradesh	12th Merit	https://www.lkouniv.ac.in/
4	Jamia Hamdard University, New Delhi	CUET-UG	https://jamiahamdard.edu/
5	Government Science College, Bangalore, Karnataka	12th Merit	https://gfgc.kar.nic.in/gsc/
6	Loyola College, Chennai, Tamil Nadu	12th Merit	https://www.loyolacollege.edu/
7	St. Joseph's College, Bengaluru, Karnataka	12th Merit	https://www.sjc.ac.in/
8	MSU, Baroda ,Gujarat	MSU-ET	https://www.msubaroda.ac.in/
9	Stella Maris College, Chennai, Tamil Nadu	Own Test	https://stellamariscollege.edu.in/
10	Punjabi University, Patiala, Punjab	12th Merit	http://www.punjabiuniversity.ac.in/
11	Banasthali University, Vanasthali-Rajasthan	12th Merit	http://www.banasthali.org/
12	Shaheed Sukhdev College Business Studies, Delhi	CUET-UG	https://sscbs.du.ac.in/
13	Symbiosis University, Pune, Maharashtra	SET	https://siu.edu.in/
14	Christ University, Bengaluru, Karnataka	CUET	https://christuniversity.in/
15	Hansraj College, Delhi	CUET-UG	https://www.hansrajcollege.ac.in/
16	Presidency College, Bangalore, Karnataka	Own Test	https://presidencycollege.ac.in/
17	Indraprastha University, Delhi	BCA-CET/ CUET-UG	http://www.ipu.ac.in/
18	Bharati Vidyapeeth, Pune-Maharashtra	B-UMAT/CET-Engineering	https://bvuniversity.edu.in/
19	Somaiya Vidyavihar University, Mumbai, Maharashtra	CUET-UG	https://www.somaiya.edu/
20	Banaras Hindu University, Varanasi, Uttar Pradesh	CUET-UG	https://www.bhu.ac.in/

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21	Hindustan Institute of Technology and Science, Chennai-Tamil Nadu	12th Merit (with Maths)	https://hindustanuniv.ac.in/
22	Guru Nanak Dev University, Amritsar, Punjab	GNDU-ET	https://online.gndu.ac.in/
23	Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha	12th Merit (with Maths)	https://kiit.ac.in/
24	Ram Lal Anand College, Delhi	CUET-UG	https://rlacollege.edu.in/
25	Atma Ram Sanatan Dharma College, Delhi	CUET-UG	https://www.arsdcollege.ac.in/
26	Charusat University of Science & Technology, Anand, Gujarat	Based on 12th Marks	https://www.charusat.ac.in/
27	College of Vocational Studies, Delhi	CUET-UG	https://www.cvs.edu.in/
28	MCN University, Bhopal, Madhya Pradesh	Based on 12th Marks (with Maths)	https://www.mcu.ac.in/
29	St Xavier's College, Ahmedabad, Gujarat	Based on 12th Marks	www.sxca.edu.in
30	SRM University, Amravati- Andhra Pradesh	CUET-UG	https://srmap.edu.in/
31	Krishtu Jayanti College, Bengaluru, Karnataka	Based on 12th Marks	https://kristujayanti.edu.in/
32	Ramanujan College, Delhi	CUET-UG	https://ramanujancollege.ac.in/
33	Ahmedabad University, Ahmedabad-Gujarat	Based on 12th Marks	https://ahduni.edu.in/
34	Avinashilingam University for Women, Coimbatore, Tamil Nadu	CUET-UG	https://avinuty.ac.in/
35	Vellore Institute of Technology, Vellore- Tamil Nadu	Based on 12th Marks (with Maths)	https://vit.ac.in/
36	Aryabhatta College, Delhi	CUET-UG	https://aryabhattacollege.ac.in/
37	NM College, Mumbai, Maharashtra	CUET-UG	https://nmcollege.in/
38	Manav Rachna University, Faridabad, Haryana	CUET-UG	https://mriirs.edu.in/
39	North-Eastern Hill University, Shillong, Meghalaya	CUET-UG	https://www.nehu.ac.in/

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40	Keshav Mahavidyalaya, Delhi	CUET-UG	https://keshav.du.ac.in/
41	Kalindi College for Women, Delhi	CUET-UG	https://www.kalindicollege.in/
42	K.R. Mangalam University, Gurgaon	CUET-UG	https://www.krmangalam.edu.in/
43	Dayal Singh College, Delhi	CUET-UG	https://www.dsc.du.ac.in/
44	Deen Dayal Upadhyaya College, Delhi	CUET-UG	https://ddducollegedu.ac.in/
45	Sri Guru Gobind Singh College of Commerce, Delhi	CUET-UG	https://www.sggscc.ac.in/
46	Ramanujan College, Delhi	CUET-UG	https://ramanujancollege.ac.in/
47	Shaheed Rajguru College of Applied Sciences for Women, Delhi	CUET-UG	https://www.rajgurucollege.com/
48	Sri Guru Tegh Bahadur Khalsa College, Delhi	CUET-UG	http://sgtbkhalsadu.ac.in/
49	Mody University, Adawala-Rajasthan	Based on 12th Marks	https://www.modyuniversity.ac.in/
50	Acharya Narendra Dev College, Delhi	CUET-UG	https://www.andcollege.du.ac.in/
51	SRM University, Kattankulathur- Tamil Nadu	Based on 12th Marks	https://www.srmist.edu.in/
52	Devi Ahilya Vishwavidyalaya, Indore, Madhya Pradesh	CUET-UG	https://www.dauniv.ac.in/
53	Osmania University, Hyderabad, Telangana	Based on 12th Marks	https://www.osmania.ac.in/
54	Karnavati University, Gandhinagar, Gujarat	CUET-UG	https://karnavatiuniversity.edu.in/
55	Parul University, Vadodara, Gujarat	Based on 12th Marks	https://paruluniversity.ac.in/
56	Jain University, Bengaluru, Karnataka	JET	https://www.jainuniversity.ac.in/
57	Pondicherry University, Kalapet, Pondicherry	CUET-UG	https://www.pondiuni.edu.in/
58	Amity University, Noida, Uttar Pradesh	CUET-UG	https://www.amity.edu/
59	Kalasalingam University, Krishnankoil- Tamil Nadu	CUET-UG	https://kalasalingam.ac.in/
60	UPES, Dehradun, Uttarakhand	CUET-UG	https://www.upes.ac.in/
61	Assam University, Silchar, Assam	CUET-UG	http://www.aus.ac.in/
62	Dharamsinh Desai University, Nadiad, Gujarat	Based on 12th Marks	https://www.ddu.ac.in/
63	Galgotias University, Greater Noida, Uttar Pradesh	CUET-UG	https://www.galgotiasuniversity.edu.in/

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64	Central University of Karnataka, Kadaganchi, Karnataka	CUET-UG	https://www.cuk.ac.in/
65	BML Munjal University, Kapriwas- Haryana	CUET-UG	https://www.bmu.edu.in/
66	Women's Christian College, Chennai, Tamil Nadu	Based on 12th Marks	https://wcc.edu.in/
67	Gujarat University, Ahmedabad-Gujarat	Based on 12th Marks	https://www.gujaratuniversity.ac.in/
68	Sharda University, Delhi	CUET-UG	https://www.sharda.ac.in/
69	Sri Sathya Sai Institute of Higher Learning-Andhra Pradesh	SSSIHL-UG Test	https://www.sssihl.edu.in/
70	GITAM University-Andhra Pradesh	GSAT	https://www.gitam.edu/
71	DAV University, Jalandhar, Punjab	CUET-UG	https://www.davuniversity.org/
72	Indraprastha College for Women, Delhi	CUET-UG	http://www.ipcollege.ac.in/
73	Mithibai College, Mumbai, Maharashtra	CUET-UG	https://www.mithibai.ac.in/
74	Ganpat University, Kherva-Gujarat	Based on 12th Marks	https://www.ganpatuniversity.ac.in/
75	Rajasthan University, Jaipur,Rajasthan	Based on 12th Marks	https://www.uniraj.ac.in/
76	GD Goenka University, Gurugram,Haryana	CUET-UG	https://www.gdgoenkauniversity.com/
77	GITAM University, Bengaluru, Karnataka	CUET-UG	https://www.gitam.edu/
78	IILM University, Greater Noida, Uttar Pradesh	CUET-UG	https://iilm.ac.in/
79	Manipal University Jaipur, Rajasthan	CUET-UG	https://jaipur.manipal.edu/
80	Jaypee Institute of Information Technology, Noida, Uttar Pradesh	CUET-UG	https://www.jiit.ac.in/
81	Noida International University, Noida, Uttar Pradesh	CUET-UG	https://niu.edu.in/
82	Jiwaji University, Gwalior, Madhya Pradesh	JUET	http://www.jiwaji.edu/
83	Vikram University, Ujjain, Madhya Pradesh	CUET-UG	http://vikramuniv.ac.in/
84	Mohanlal Sukhadia University, Udaipur, Rajasthan	Based on 12th Marks	https://www.mlsu.ac.in/
85	The IIS University, Jaipur, Rajasthan	Based on 12th Marks	https://www.iisuniv.ac.in/
86	KAHE University, Coimbatore- Tamil Nadu	Based on 12th Marks	https://kahedu.edu.in/

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87	Bhaskaracharya College of Applied Sciences, Delhi	CUET-UG	https://www.bcas.du.ac.in/
88	Chhatrapati Shivaji Maharaj University, Panvel, Navi Mumbai, Maharashtra	CUET-UG	https://csmu.ac.in/
89	Govt. Degree College, Baramulla, Jammu & Kashmir	CUET-UG	http://www.baramullacollege.net/
90	Gujarat Vidyapith, Ahmedabad, Gujarat	CUET-UG	https://www.gujaratvidyapith.org/

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State wise list of 185 Computer Applications Universities WITH Admission Process and Website Address in India

#	Computer Application/Science & Information Colleges in India	Admission Process	Website
	Andhra Pradesh		
1	KL University, Guntur, Andhra Pradesh Av. Sp.: BCA	CUET-UG	https://www.kluniversity.in/
2	National Sanskrit University, Tirupati, Andhra Pradesh Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://nsktu.ac.in/
3	SRM University, Amravati- Andhra Pradesh Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://srmap.edu.in/
4	SSSIHL, Puttaparthi ,Andhra Pradesh Av. Sp.: B.Sc. (Computer Science)	SSSIHL-UG	https://www.sssihl.edu.in/
	Arunachal Pradesh		
5	Arunachal University of Studies, Namsai, Arunachal Pradesh Av. Sp.: BCA	CUET-UG	https://www.arunachaluniversity.ac.in/
6	Himalayan University, Itanagar-Arunachal Pradesh Av. Sp.: BCA	CUET-UG	https://www.himalayanuniversity.com/
7	Rajiv Gandhi University, Papum Pare-Arunachal Pradesh Av. Sp.: BCA	CUET-UG	https://rgu.ac.in/
	Assam		
8	Assam University, Silchar, Assam Av. Sp.: B.Sc. + M.Sc. (Computer Science)	CUET-UG	http://www.aus.ac.in/
9	Cotton University, Guwahati, Assam Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://cottonuniversity.ac.in/
	Bihar		
10	Dr. CV Raman University, Vaishali- Bihar Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://www.cvrubihar.ac.in/
11	Gopal Narayan Singh University, Jamuhar- Bihar Av. Sp.: BCA	CUET-UG	https://gnsu.ac.in/
12	M.M.H. Arabic & Persian University, Patna, Bihar Av. Sp.:BCA	Based on 12th Marks	https://mmhapu.ac.in/
	Chhattisgarh		
13	Dr. CV Raman University, Bilaspur, Chhattisgarh Av. Sp.: BCA, B.Sc. (Computer Science)	Based on 12th Marks	https://www.cvru.ac.in/

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14	Guru Ghasidas Vishwavidyalaya, Bilaspur , Chhattisgarh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.ggu.ac.in/
15	ITM University, Raipur, Chhattisgarh Av. Sp.: BCA	CUET-UG	https://www.itmuniversity.org/
16	KK Modi University, Mahmara ,Chhattisgarh Av. Sp.: BCA	CUET-UG	https://kkmu.edu.in/
	Delhi		
17	Acharya Narendra Dev College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.andcollege.du.ac.in/
18	Aryabhatta College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://aryabhattacollege.ac.in/
19	Atma Ram Sanatan Dharma College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.arsdcollege.ac.in/
20	Bhaskaracharya College of Applied Sciences, Delhi Av. Sp.:B.Sc. (Computer Science)	CUET-UG	https://www.bcas.du.ac.in/
21	College of Vocational Studies, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.cvs.edu.in/
22	Deen Dayal Upadhyaya College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://ddducollegedu.ac.in/
23	Delhi Skill and Entrepreneurship University, Dwarka, Delhi Av. Sp.: BCA	CUET-UG	https://dseu.ac.in/
24	Dayal Singh College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.dsc.du.ac.in/
25	Hansraj College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.hansrajcollege.ac.in/
26	Indraprastha College for Women, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	http://www.ipcollege.ac.in/
27	Indraprastha University, Delhi Av. Sp.: BCA	BCA-CET/ CUET-UG	http://www.ipu.ac.in/
28	Jamia Hamdard University, New Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://jamiahamdard.edu/
29	Kalindi College for Women, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.kalindicollege.in/
30	Keshav Mahavidyalaya, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://keshav.du.ac.in/
31	Mata Sundri College for Women, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://mscw.ac.in/
32	P.G.D.A.V College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.pgdavcollege.in/
33	Ram Lal Anand College, Delhi	CUET-UG	https://rlacollege.edu.in/

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	Av. Sp.: B.Sc. (Computer Science)		
34	Ramanujan College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://ramanujancollege.ac.in/
35	Shaheed Rajguru College of Applied Sciences for Women, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.rajgurucollege.com/
36	Shaheed Sukhdev College Business Studies, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://sscbs.du.ac.in/
37	Sharda University, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.sharda.ac.in/
38	Shyama Prasad Mukherji College for Women, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://spm.du.ac.in/
39	Sri Guru Gobind Singh College of Commerce, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.sggscc.ac.in/
40	Sri Guru Tegh Bahadur Khalsa College, Delhi Av. Sp.: B.Sc. (Computer Science)	CUET-UG	http://sgtbkhalsadu.ac.in/
41	Sushant University, Delhi Av. Sp.: BCA	CUET-UG	https://sushantuniversity.edu.in/
	Gujarat		
42	Ahmedabad University, Ahmedabad, Gujarat Av. Sp.: B.Sc. (Computer Science)	Based on 12th Marks	https://ahduni.edu.in/
43	C. U. Shah University, Surendranagar- Gujarat Av. Sp.: BCA, B.Sc. (Information Technology)	Based on 12th Marks	https://www.cushahuniversity.ac.in/
44	Dharamsinh Desai University, Nadiad, Gujarat Av. Sp.: BCA	Based on 12th Marks	https://www.ddu.ac.in/
45	Ganpat University, Kherva-Gujarat Av. Sp.: BCA, BCA+MCA, B.Sc. (Computer Application & Information Technology), B.Sc. (Information Technology)	Based on 12th Marks	https://www.ganpatuniversity.ac.in/
46	Gujarat University, Ahmedabad, Gujarat Av. Sp.: BCA, B.Sc. (Information Technology/ Computer Science)	Based on 12th Marks	https://www.gujaratuniversity.ac.in/h
47	Gujarat Vidyapith, Ahmedabad, Gujarat Av. Sp.: BCA	CUET-UG	https://www.gujaratvidyapith.org/
48	ITM Vocational University, Vadodara, Gujarat Av. Sp.: BCA	CUET-UG	https://www.itm.ac.in/
49	Karnavati University, Gandhinagar, Gujarat Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://karnavatiuniversity.edu.in/
50	MSU, Baroda , Gujarat Av. Sp.: BCA	MSU-ET	https://www.msubaroda.ac.in/

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51	Parul University, Vadodara, Gujarat Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://paruluniversity.ac.in/
52	Uka Tarsadia University, Bardoli-Gujarat Av. Sp.: BCA	Based on 12th Marks	http://www.utu.ac.in/
	Haryana		
53	BML Munjal University, Kapriwas-Haryana Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.bmu.edu.in/
54	GD Goenka University, Gurugram, Haryana Av. Sp.: BCA	CUET-UG	https://www.gdgoenkauniversity.com/
55	Jagannath University, NCR, Haryana Av. Sp.: BCA	CUET-UG	https://www.jagannathuniversityncr.ac.in/
56	K.R. Mangalam University, Gurgaon, Haryana Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.krmangalam.edu.in/
57	Maharishi Markandeshwar University, Ambala, Haryana Av. Sp.: BCA	CUET-UG	https://www.mmumullana.org/
58	Manav Rachna University, Faridabad, Haryana Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://mriirs.edu.in/
59	Om Sterling Global University, Hisar, Haryana Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.osgu.ac.in/
60	SGT University, Gurgaon, Haryana Av. Sp.: BCA	CUET-UG	https://sgtuniversity.ac.in/
61	The NorthCap University, Gurgaon, Haryana Av. Sp.: BCA	CUET-UG	https://www.ncuindia.edu/
	Himachal Pradesh		
62	Bahra University, Solan, Himachal Pradesh Av. Sp.: BCA	CUET-UG	https://bahrauniversity.edu.in/
63	Chitkara University, Baddi, Himachal Pradesh Av. Sp.: BCA	CUET-UG	https://www.chitkarauniversity.edu.in/
64	Shoolini University, Solan, Himachal Pradesh Av. Sp.: BBA (Computer Science and Entrepreneurship)	CUET-UG	https://shooliniuniversity.com/
	Jammu Kashmir		
65	Cluster University of Jammu, Jammu & Kashmir Av. Sp.: BCA	CUET-UG	https://clujammu.ac.in/
66	Cluster University of Srinagar, Jammu & Kashmir Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://www.cusrinagar.edu.in/
67	Govt. College For Women, Jammu, Jammu & Kashmir Av. Sp.: BCA	CUET-UG	https://www.gcwparade.in/
68	Govt. Degree College, Baramulla, Jammu & Kashmir Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	http://www.baramullacollege.net/

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69	Islamia College of Science and Commerce, Srinagar, Jammu & Kashmir Av. Sp.: B.Sc. (Computer Science/ Information Technology)	CUET-UG	http://islamiacollege.edu.in/
70	Jammu University, Jammu, Jammu & Kashmir Av. Sp.: BCA, B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.jammuuniversity.ac.in/
71	University of Kashmir, Srinagar, Jammu & Kashmir Av. Sp.: BCA	CUET-UG	https://www.kashmiruniversity.net/
	Jharkhand		
72	AISECT University, Jharkhand Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://www.aisectuniversityjharkhand.ac.in/
73	Amity University, Ranchi, Jharkhand Av. Sp.: BCA	CUET-UG	https://amity.edu/
74	ARKA JAIN University, Jharkhand Av. Sp.: BCA	CUET-UG	https://arkajainuniversity.ac.in/
75	Capital University, Koderma- Jharkhand Av. Sp.: BCA	CUET-UG	https://www.capitaluniversity.edu.in/
76	Dr. Shyama Prasad Mukherjee University, Ranchi, Jharkhand Av. Sp.: B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.dspmuranchi.ac.in/
77	ICFAI University, Jharkhand Av. Sp.: BCA	CUET-UG	https://www.iujharkhand.edu.in/
78	Jharkhand Rai University, Ranchi, Jharkhand Av. Sp.: BCA	CUET-UG	https://www.jru.edu.in/
79	Jharkhand Raksha Shakti University, Ranchi, Jharkhand Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://jrsuranchi.com/
80	Netaji Subhas University, Jamshedpur, Jharkhand Av. Sp.: BCA	CUET-UG	https://nsuniv.ac.in/
81	Radha Govind University, Ramgarh- Jharkhand Av. Sp.: BCA	CUET-UG	https://www.rguniversity.org/
82	Sido Kanhu Murmu University, Dumka-Jharkhand Av. Sp.: BCA	CUET-UG	https://skmu.ac.in/
83	Usha Martin University, Ranchi, Jharkhand Av. Sp.: BCA	CUET-UG	https://www.ushamartinuniversity.com/
84	YBN University, Ranchi, Jharkhand Av. Sp.: B.Sc. (Computer Science/ Information	CUET-UG	https://www.ybnu.ac.in/

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	Technology)		
	Karnataka		
85	Central University of Karnataka, Kadaganchi, Karnataka Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.cuk.ac.in/
86	Chanakya University, Bangalore, Karnataka Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://chanakyauniversity.edu.in/
87	Christ University, Bengaluru, Karnataka Av. Sp.: BCA, B.Sc. (Computer Science)	CUET	https://christuniversity.in/
88	GITAM University, Bengaluru, Karnataka Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.gitam.edu/
89	Jain University, Bangalore, Karnataka Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.jainuniversity.ac.in/
90	Lohit's Academy College of Commerce, Bengaluru, Karnataka Av. Sp.: B.Com. (Information Technology)	CUET-UG	https://www.lohitsacademy.com/
	Madhya Pradesh		
91	AKS University, Satna- Madhya Pradesh Av. Sp.: BA/B.Com. (Computer Application), BCA, B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.aksuniversity.ac.in/
92	Devi Ahilya Vishwavidyalaya, Indore, Madhya Pradesh Av. Sp.: BCA, BCA+MCA, B.Sc.(Computer Science)	CUET-UG	https://www.dauniv.ac.in/
93	Dr. Harisingh Gour University, Sagar- Madhya Pradesh Av. Sp.: BCA		
94	IGNTU Amarkantak, Madhya Pradesh Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.igntu.ac.in/
95	Jiwaji University, Gwalior, Madhya Pradesh Av. Sp.: BCA	JUET	http://www.jiwaji.edu/
96	M.M. Yogi Vedic, Katni- Madhya Pradesh Av. Sp.: B.Com. (Computer Application), BCA, B.Sc. (Computer Science)	Based on 12th Marks (with Maths)	http://www.mmyvv.com/
97	Mansarovar Global University, Bhopal, Madhya Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.mguindia.com/
98	MCN University, Bhopal, Madhya Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	Based on 12th Marks (with Maths)	https://www.mcu.ac.in/
99	Rabindranath Tagore University, Bhopal, Madhya Pradesh Av. Sp.: BCA, B.Sc. (Computer Science/	CUET-UG	https://rntu.ac.in/

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	Information Technology)		
100	RKDF University, Bhopal, Madhya Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.rkdf.ac.in/
101	Scope Global Skills Univervsity, Bhopal, Madhya Pradesh Av. Sp.: BCA, B.Sc. (Computer Science), B.Com. (Computer Applications)	CUET-UG	https://sgsuniversity.ac.in/
102	Vikram University, Ujjain, Madhya Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	http://vikramuniv.ac.in/
	Maharashtra		
103	Bharati Vidyapeeth, Pune, Maharashtra Av. Sp.: BCA	BUMAT	https://bvuniversity.edu.in/
104	Chhatrapati Shivaji Maharaj University, Panvel, Maharashtra Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://csmu.ac.in/
105	Datta Meghe Institute of Higher Education and Research, Wardha, Maharashtra Av. Sp.: BCA	CUET-UG	https://www.dmiher.edu.in/
106	ITM Skills University, Navi Mumbai, Maharashtra Av. Sp.: BCA	CUET-UG	https://isu.ac.in/
107	Mahatma Gandhi Antarrashtriya Hindi Vishwa Vidyalaya, Wardha, Maharashtra Av. Sp.: BCA	CUET-UG	https://hindivishwa.org/
108	Mithibai College, Mumbai, Maharashtra Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.mithibai.ac.in/
109	MVN University, Aurangabad, Maharashtra Av. Sp.: BCA	CUET-UG	https://www.mvn.edu.in/
110	NM College, Mumbai, Maharashtra Av. Sp.: B.Sc. (Information Technology)	CUET-UG	https://nmcollege.in/
111	Somaiya Vidyavihar University, Mumbai, Maharashtra Av. Sp.: BCA, B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.somaiya.edu/
112	Symbiosis University, Pune, Maharashtra Av. Sp.: BBA (Information Technology), BCA	SET	https://siu.edu.in/
113	Tilak Maharashtra University, Pune, Maharashtra Av. Sp.: BCA	CUET-UG	http://www.tmv.edu.in/
	Meghalaya		
114	North-Eastern Hill University, Shillong, Meghalaya Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://www.nehu.ac.in/

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115	University of Science and Technology, Baridua-Meghalaya Av. Sp.: BCA	CUET-UG	https://www.ustm.ac.in/
	Nagaland		
116	Nagaland University, Meriema, Nagaland Av. Sp.: BCA	CUET-UG	https://nagalanduniversity.ac.in/
	Odisha		
117	ASBM University, Bhubaneswar,Odisha Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.asbm.ac.in/
	Puducherry		
118	Pondicherry University, Kalapet, Puducherry Av. Sp.: B.Sc. + M.Sc. (Computer Science)	CUET-UG	https://www.pondiuni.edu.in/
	Punjab		
119	Amity University, Mohali, Punjab Av. Sp.: BCA	CUET-UG	https://amity.edu/
120	CT University, Ludhiana Punjab Av. Sp.: BCA	CUET-UG	https://ctuniversity.in/
121	DAV University, Jalandhar Punjab Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.davuniversity.org/
122	Guru Nanak Dev University, Amritsar, Punjab Av. Sp.: BCA+MCA	GNDU-ET	https://online.gndu.ac.in/
123	Lovely Professional University, Phagwara, Punjab Av. Sp.: B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.lpu.in/
124	Punjabi University, Patiala, Punjab Av. Sp.: BCA	Based on 12th Marks	http://www.punjabiuniversity.ac.in/
	Rajasthan		
125	Banasthali Vidyapith, Vanasthali, Rajasthan Av. Sp.: BCA	Based on 12th Marks	http://www.banasthali.org/
126	Bhagwant University, Ajmer, Rajasthan Av. Sp.: BCA	CUET-UG	https://bhagwantuniversity.ac.in/
127	Career Point University, Kota, Rajasthan Av. Sp.: BCA	CUET-UG	http://cpur.in/
128	Central University of Rajasthan, Ajmer, Rajasthan Av. Sp.: B.Sc. + M.Sc. (Computer Science)	CUET-UG	https://www.curaj.ac.in/
129	Madhav University, Sirohi, Rajasthan Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://madhavuniversity.edu.in/
130	Manipal University Jaipur, Rajasthan Av. Sp.: BCA	CUET-UG	https://jaipur.manipal.edu/
131	Mewar University, Chittorgarh, Rajasthan Av. Sp.: BCA, B.Sc. (Computer Science), B.Voc.	CUET-UG	https://www.mewaruniversity.org/

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	(Applied Computer Technology)		
132	Mody University, Sikar, Rajasthan Av. Sp.: BCA	CUET-UG	https://www.modyuniversity.ac.in/
133	Mohanlal Sukhadia University, Udaipur, Rajasthan Av. Sp.: BCA	Based on 12th Marks	https://www.mlsu.ac.in/
134	Nirwan University, Jaipur, Rajasthan Av. Sp.: BCA	CUET-UG	https://www.nirwanuniversity.ac.in/
135	OPJS University, Churu, Rajasthan Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://opjsuniversity.edu.in/
136	Pacific University, Udaipur, Rajasthan Av. Sp.: BCA, BCA+MCA	Based on 12th Marks	https://www.pacific-university.ac.in/
137	Rajasthan University, Jaipur, Rajasthan Av. Sp.: BCA	Based on 12th Marks	https://www.uniraj.ac.in/
138	RNB Global University, Bikaner, Rajasthan Av. Sp.: BCA, B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.rnbglobal.edu.in/
139	Shri Khushal Das University, Hanumangarh, Rajasthan Av. Sp.: BCA	CUET-UG	https://skduniversity.com/
140	Surajmal University, Kumher, Rajasthan Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://www.smu.ac.in/
141	The IIS University, Jaipur, Rajasthan Av. Sp.: BCA	Based on 12th Marks	https://www.iisuniv.ac.in/
142	Tribhuvan College of Environment & Development Sciences, Neemrana, Rajasthan Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://teds.ac.in/
143	University of Technology, Jaipur, Rajasthan Av. Sp.: BCA	CUET-UG	https://www.universityoftechnology.edu.in/
144	Vivekananda Global University, Jaipur, Rajasthan Av. Sp.: B.Sc. (Information Technology)	CUET-UG	https://vgu.ac.in/
	Sikkim		
145	Sikkim Professional University, Gangtok, Sikkim Av. Sp.: BCA	CUET-UG	https://www.spu.ac/
146	Sikkim University, Gangtok, Sikkim Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://cus.ac.in/
	Tamil Nadu		
147	Avinashilingam University for Women, Coimbatore, Tamil Nadu Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://avinuty.ac.in/
148	Hindustan Institute of Technology and Science, Chennai, Tamil Nadu	CUET-UG	https://hindustanuniv.ac.in/

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	Av. Sp.: B.Sc. (Computer Science)		
149	Joy University, Tirunelveli- Tamil Nadu Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://joyuniversity.edu.in/
150	KAHE University, Coimbatore- Tamil Nadu Av. Sp.: BCA, B.Sc. (Information Technology/ Computer Science)	Based on 12th Marks	https://kahedu.edu.in/
151	Kalasalingam University, Krishnankoil- Tamil Nadu Av. Sp.: BCA, B.Sc. (Computer Science/ Information Technology), B.Com. (Computer Applications)	CUET-UG	https://kalasalingam.ac.in/
152	Periyar Maniammai IST University, Thanjavur- Tamil Nadu Av. Sp.: BCA	Based on 12th Marks	https://pmu.edu/
153	Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur- Tamil Nadu Av. Sp.: BCA, B.Sc. (Computer Science)	Based on 12th Marks	https://kanchiuniv.ac.in/
154	SRM University, Kattankulathur- Tamil Nadu Av. Sp.: BCA	Based on 12th Marks (with Maths)	https://www.srmist.edu.in/
155	University of Madras, Chennai, Tamil Nadu Av. Sp.: BCA	Based on 12th Marks	https://www.unom.ac.in/
156	Vellore Institute of Technology, Vellore- Tamil Nadu Av. Sp.: BCA, B.Sc. (Computer Science)	Based on 12th Marks (with Maths)	https://vit.ac.in/
157	Vinayaka Mission's Research Foundation, Salem- Tamil Nadu Av. Sp.: B.Sc. (Computer Science), B.Com. (Computer Applications)	CUET-UG	https://vmrfdu.edu.in/
	Telangana		
158	Osmania University, Hyderabad, Telangana Av. Sp.: BCA	Based on 12th Marks	https://www.osmania.ac.in/
	Uttar Pradesh		
159	Amity University, Noida, Uttar Pradesh Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://amity.edu/
160	Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh Av. Sp.: BCA	CUET-UG	https://www.bbau.ac.in/
161	Banaras Hindu University, Varanasi ,Uttar Pradesh Av. Sp.: B.Voc. (Computer Applications)	CUET-UG	https://www.bhu.ac.in/
162	CSJM University, Kanpur, Uttar Pradesh Av. Sp.: BCA	Based on 12th Marks	http://csjmu.ac.in/

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163	Galgotias University, Greater Noida, Uttar Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.galgotiasuniversity.edu.in/
164	Hi-Tech Institute of Engineering and Technology, Ghaziabad, Uttar Pradesh Av. Sp.: BCA	CUET-UG	https://hiet.org/
165	IFTM University, Moradabad- Uttar Pradesh Av. Sp.: BCA	CUET-UG	https://www.iftmuniversity.ac.in/
166	IILM University, Greater Noida, Uttar Pradesh Av. Sp.: BCA	CUET-UG	https://iilm.ac.in/
167	IIMT University, Meerut, Uttar Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://iimtu.edu.in/
168	Invertis University, Bareilly , Uttar Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.invertisuniversity.ac.in/
169	Jaypee Institute of Information Technology, Noida, Uttar Pradesh Av. Sp.: BCA, B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.jiit.ac.in/
170	Mangalayatan University, Aligarh, Uttar Pradesh Av. Sp.: BCA, B.Sc. (Information Technology)	CUET-UG	https://www.mangalayatan.in/
171	Nehru Gram Bharati, Prayagraj, Uttar Pradesh Av. Sp.: BCA	CUET-UG	https://www.ngbv.ac.in/
172	Noida International University, Noida, Uttar Pradesh Av. Sp.: BCA, B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://niu.edu.in/
173	Shri Ramswaroop Memorial University, Barabanki- Uttar Pradesh Av. Sp.: BCA	Based on 12th Marks	https://www.srmu.ac.in/
174	Swami Vivekanand Subharti University, Meerut, Uttar Pradesh Av. Sp.: BCA, B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://subharti.org/
175	Teerthanker Mahaveer University, Moradabad- Uttar Pradesh Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.tmu.ac.in/
176	United University, Allahabad, Uttar Pradesh Av. Sp.: BCA	CUET-UG	https://uniteduniversity.edu.in/
177	University of Lucknow, Lucknow ,Uttar Pradesh Av. Sp.: B.Sc. (Computer Science)	Based on 12th Marks	https://www.lkouniv.ac.in/
	Uttarakhand		
178	COER University, Roorkee, Uttarakhand Av. Sp.: BCA	CUET-UG	https://coeruniversity.in/

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179	Graphic Era Hill University, Bhimtal-Uttarakhand Av. Sp.: B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://bhimtal.gehu.ac.in/
180	Graphic Era Hill University, Dehradun-Uttarakhand Av. Sp.: B.Sc. (Computer Science/ Information Technology)	CUET-UG	https://www.gehu.ac.in/
181	Graphic Era Hill University, Haldwani ,Uttarakhand Av. Sp.: B.Sc. (Information Technology)	CUET-UG	https://haldwani.gehu.ac.in/
182	ICFAI University, Dehradun, Uttarakhand Av. Sp.: BCA	CUET-UG	https://www.iudehradun.edu.in/
183	UPES, Dehradun, Uttarakhand Av. Sp.: BCA, B.Sc. (Computer Science)	CUET-UG	https://www.upes.ac.in/
	West Bengal		
184	Amity University, Kolkata, West Bengal Av. Sp.: BCA	CUET-UG	https://amity.edu/
185	Visva Bharati University, Shantiniketan- West Bengal Av. Sp.: B.Sc. (Computer Science)	CUET-UG	https://visvabharati.ac.in/

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Frequently Asked Questions (FAQs)

Q. 1	What would be the fees for a degree in Computer Applications?
A. 1	The fees for a BCA/BBA (IT)/B.Sc (IT) degree in India vary depending on the college or university. The average fee for a BCA degree in India is around INR 35,000 to INR 2,50,000 per year. However, some colleges and universities charge more, while others charge less. For. e.g. A BCA degree from St. Xavier's College (Ahmedabad) would cost around Rs. 16,500 per semester. A BCA from the Symbiosis Institute of Computer Studies and Research (SICSR) would cost around Rs. 1,75,000 per annum. The cost for the B.B.A. (IT) would cost around Rs. 1,89,000 per annum. A BCA from Christ University in Bengaluru would cost about Rs. 1,55,000 per annum. The fee structure of in India is as follows: • Tuition fees: This is the main component of the fee structure and covers the cost of teaching and learning resources. • Library fees: This fee covers the cost of maintaining and providing access to the library. • Laboratory fees: This fee covers the cost of maintaining and providing access to the laboratories. • Sports fees: This fee covers the cost of maintaining and providing access to the sports facilities. • Hostel fees (if applicable): This fee covers the cost of accommodation and meals for students who live in the hostel. • Mess fees (if applicable): This fee covers the cost of meals for students who eat in the mess. The fee structure is subject to change from time to time. It is always best to check with the college or university for the latest fee structure. Here are some of the factors that affect the fee structure in India: • The reputation of the college or university: Colleges and universities with a good reputation tend to charge higher fees. • The location of the college or university: Colleges and universities located in urban areas tend to charge higher fees than those located in rural areas. • The facilities offered by the college or university: Colleges and universities with better facilities tend to charge higher fees. • The number of students enrolled in the course: Colleges and universities with more students enrolled in the course tend to charge lower fees.

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	It is important to note that the fee structure is not the same for all colleges and universities. It is always best to check with the college or university for the latest fee structure.
Q. 2	**What are the career options for a Computer Applications graduate in India?**
A. 2	There are many career options for a Computer Applications graduate in India. Some of the most popular options include: • Software Developer: Software developers are responsible for designing, developing, and testing software applications. They use a variety of programming languages and software development tools to create applications that meet the needs of their clients. • Web Developer: Web developers are responsible for designing, developing, and maintaining websites. They use a variety of programming languages and web development tools to create websites that are both visually appealing and functional. • Database Administrator: Database administrators are responsible for the design, implementation, and maintenance of databases. They use a variety of database management tools to ensure that databases are secure, efficient, and accessible to users. • Network Administrator: Network administrators are responsible for the design, implementation, and maintenance of computer networks. They use a variety of networking tools to ensure that networks are secure, reliable, and efficient. • System Analyst: System analysts are responsible for gathering and analyzing system requirements. They use a variety of tools and techniques to identify the needs of users and develop solutions that meet those needs. • Quality Assurance Engineer: Quality assurance engineers are responsible for ensuring the quality of software products. They use a variety of testing methods and tools to identify and fix defects in software. • Technical Writer: Technical writers are responsible for writing documentation for software products. They use a variety of writing and editing tools to create documentation that is clear, concise, and easy to understand. • IT Consultant: IT consultants provide advice and assistance to businesses on a variety of IT-related matters. They use their knowledge and expertise to help businesses improve their IT systems and processes. • Data Scientist: Data scientists are responsible for collecting, analyzing, and interpreting large amounts of data. They use a variety of statistical and machine learning techniques to extract insights from data that can be used to improve business decisions. These are just a few of the many career options available in India. The best option for you will depend on your interests, skills, and career goals. Here are some of the factors that you should consider when choosing a career after completing a degree in Computer Applications in India: • Your interests: What are you passionate about? What do you want to do with your life?

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	• Your skills: What are you good at? What skills do you have that would be valuable in a career? • Your career goals: What kind of career do you want? What are your long-term goals? It is important to choose a career that is right for you. By considering your interests, skills, and career goals, you can make sure that you are making the best decision for your future.
Q. 3	**What is the admission process to a BCA/BBA IT/B.Sc. IT course in India?**
A. 3	The admission process depends on the institute. Many institutes grant admission based on the merit of Std. 12 board exams. Some institutes would consider the score of an entrance exam like the Common University Entrance Test (CUET) or their own entrance exam. For e.g. for admission to the BCA program at SICSR (Symbiosis), the candidate is required to clear the Symbiosis Entrance Test which is followed by a Personal Interview and Writing Ability Test (PIWAT).

Q4. Is there a difference between a Computer Applications degree and a Computer Science degree?

Answer: Yes, a Computer Science degree focuses more on the theoretical and computational aspects of computing, while Computer Applications emphasizes the practical use and implementation of computing technologies in real-world scenarios, such as software and web development, and IT systems.

Q5. Can I pursue higher education after completing this course?

Answer: Yes, after completing a Computer Applications undergraduate program, you can pursue a Master's degree in fields like Computer Applications (MCA), Computer Science (M.Sc. or M.Tech), Data Science, Artificial Intelligence, or Cybersecurity. You can also consider certifications or specialized courses in areas like Cloud Computing, Data Analytics, or Ethical Hacking.

Q6. Is it possible to get a job right after completing a Computer Applications degree?

Answer: Yes, many graduates of Computer Applications find job opportunities in various sectors, especially in IT companies, startups, software firms, e-commerce businesses, and government organizations. Internships and projects undertaken during the course can enhance employability.

Q7.What is the scope of freelancing after completing this degree?

Answer: There is a growing demand for freelancers in areas like web development, mobile app development, software development, and digital marketing. Freelancers can work on projects independently for clients around the world. Building a portfolio and having strong technical skills is key to a successful freelancing career.

Q8. Can I study Computer Applications online?

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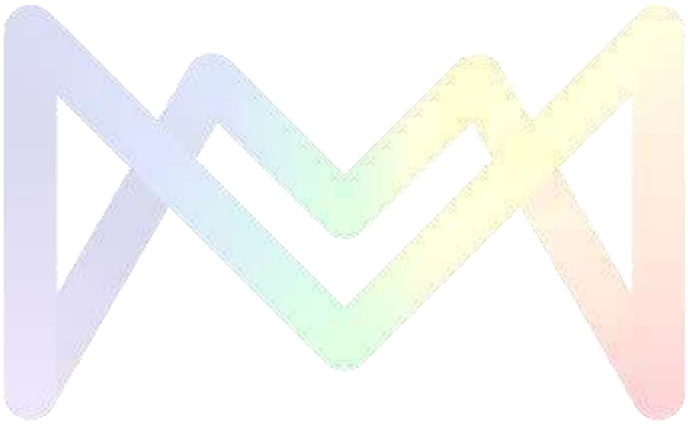
Answer: Yes, many online platforms and universities offer undergraduate programs in Computer Applications or related fields. These programs may include live classes, recorded lectures, assignments, and exams.

Q9. Can I transition from another field to Computer Applications?

Answer: Yes, it's possible to transition from other fields, such as engineering, business, or even arts, into Computer Applications by learning the necessary skills and programming languages. Many universities offer preparatory courses or certifications to help with this transition.



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Thanks and Acknowledgement

I would thank all our Volunteers who have made this compilation possible. Especially I would like to thank Ms. Aishwarya Chhasatia who has been instrumental in assisting me to finish this compilation.

Also I would like to thank my co-authors Dr. Pallvi Mangal, Mr. N. Sathyanarayan and Mr. Vinod Jindal who have helped me in checking and correcting the compilation with care.

Mohit Mangal

Helping students find their true passion for more than 22+ yrs

Counselled 27k+ students | Delivered 1750+ talks

Author of CBSE published Career Handbook

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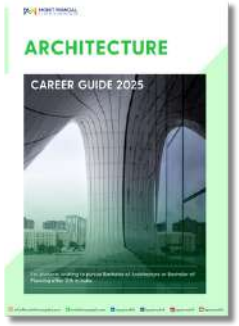

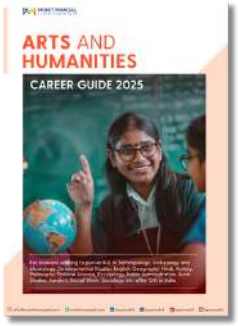

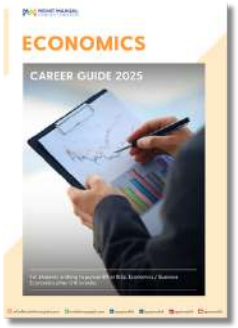

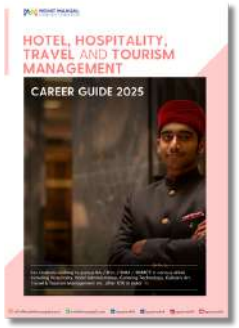

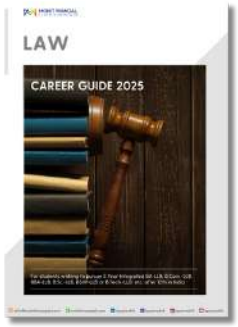

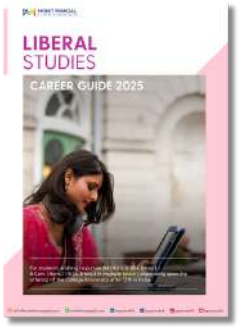

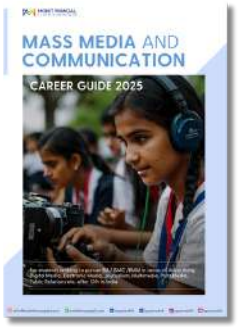

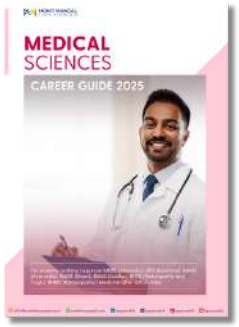

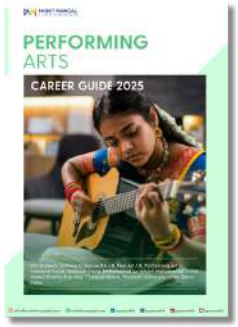

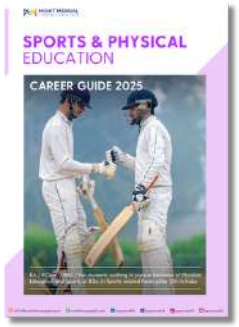

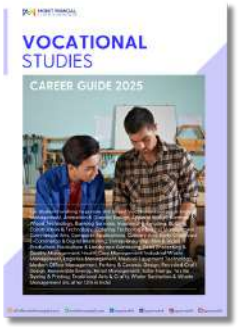

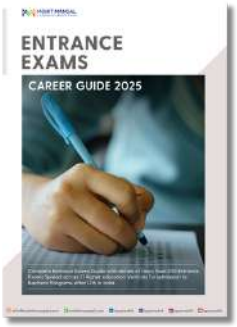

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