Career Planner

A concise guide to career options

India Literacy Project

About the book

Your first career decision is right after you complete your 10th grade. The education stream you choose streamlines the career options ahead of you. For many children, this would be the first time they would be seriously thinking, 'What next?' and this could be one of the most perplexing times of their lives.

This decision is even more difficult and challenging for those children who are first generation learners in their families and do not have anyone at home to guide them in their journey of life.

This book is a humble attempt to provide information about various career options in a concise form. This book was born out the experience of volunteers from India Literacy Project, who, as part of their career exposure visits, found the need to create a book that provided the details on career options to children beyond what they learnt as part of the career exposure programme.

Key career/job details have been provided under the headers such as job content, qualifications required, career opportunities, to provide a quick insight into that particular career. Every job or career has its own strengths and demands and, it is our endeavor to ensure students have the information they need to make these critical decisions such as choosing a field of study or career.

This book is by no means comprehensive and is also not intended to be. Information about careers and job opportunities change rapidly and it is always recommended to supplement research with further research on relevant websites for latest updates about courses, colleges, required qualifications and opportunities. This book hence would act as a quick guide to help a child identify his or her top career choices or interests.

Acknowledgments

Preface

India Literacy Project (ILP) is a volunteer based non-profit organization dedicated to the cause of literacy and education in India and strives to be a catalyst for 100% literacy and access to quality education in India. Our efforts are predominantly focused on remote, rural and needy areas of India where we work on providing access and improving quality of education in Government schools, increasing employability of young individuals, and empowering communities to bring about sustainable change.

Multi-Dimensional Learning Space (MDLS) is an initiative of India Literacy Project, which focuses on improving quality of education in Government and Government-aided schools. One of the modules of this initiative is Career Exposure and Career Counseling. As part of this module, ILP created a comprehensive Career Chart listing the several education and career options after 10th grade. Using this chart, the volunteers at ILP periodically conducted career exposure sessions in Rural Government and Government-aided schools to explain various career options and to expose children to new careers.

During the years 2015-2017, ILP had covered more than 50,000 children through career exposure programme across Karnataka, Tamil Nadu, Andhra Pradesh and Telangana regions. During these interactions, one thing that strongly stood out was that ILP didn't have any resource material, other than the career chart itself, to leave behind at the school, which provided more information to students about careers they are interested in. Also, the volunteers themselves needed a reference book that they could use to answer questions about careers that they didn't know about. This book was a result of that.

Besides English, this book would also be available in multiple Indian languages. Volunteers at ILP are also working on a Mobile App and a Web Portal to provide a comprehensive guide to career choices.

Contents

Careers By Theme

Accountancy deals with the maintaining of financial records of a business. It involves the reporting, analyzing and summarizing of all financial transactions in a company over a period of time.

By maintaining a daily record of all financial transactions and computing profits and losses, companies are able to estimate whether their operations are profitable.

Accountants manage the finances of a company and prepare reports on its financial position and cash flows. They maintain the Profit and Loss account and Balance Sheet of the business.

Accountants specialize as Chartered Accountants, Cost and Works Accountants, Management Accountants, Auditors and Tax Consultants etc.

Some of the tasks Accountants perform on their job include:
· Maintain accounts according to book-keeping principles
· Study tax implications of the company's business activities
· Prepare and file tax returns on behalf of the company
· Advise the Management on matters related to finance to enhance revenues and profits
· Ensure legal and tax compliance
· Meet with management to explain financial reports

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. Com (Bachelor of Commerce)
· B. B. A with a specialization in Finance and Accountancy

Postgraduate courses

· M. Com
· M. B. A (Finance)
· C. A (Chartered Accountancy)
· ICWA (Institute of Cost and Works Accountants)
· ICFAI (Institute of Chartered Financial Analysts of India)
· CS (Company Secretary)

Eligibility and Admission process to courses:

· Class XII completed with Mathematics

Aptitude and Skills needed:

· Aptitude for numbers and finance
· Knowledge of Accounting Principles, appropriate accounting software
· Understanding of Financial laws, regulations and trends

INDUSTRY GROWTH AND CAREER PROSPECTS

Finance is one of the most vital elements of any business venture. All businesses need qualified and expert accountants to help manage their finances, comply with statutory regulations and file taxes. Opportunities in this field are vast and widely varied as there is a perpetual demand for accounting professionals across all industries and businesses.

JOB OPPORTUNITIES

Government jobs
· Public Sector Units
· Government Departments
· Finance Minstry

Private Sector
· Private banks
· Private Sector Companies
· Insurance Companies
· Investment Firms

Educational sector
· Lecturers and Professors of Accounts and Finance at various educational institutions

Self employed
· Set up independent practice as Finance consultants

Work hours and day/night shifts:

Fixed hours | Day shifts, long hours during year and month-end reporting period

Modeling involves the showcasing of branded consumer and lifestyle products by professional models to launch or promote those products.

A wide range of products and services ranging from shoes, bags and cars to banking and airline services are endorsed by models in newspapers and magazines as well as Television, Internet and Videos. Ramp Models are those who participate in live shows where they walk down a ramp showcasing to buyers various goods or fashion clothing.

Modeling is a glamorous and well-paid job, making it a much sought after profession. In India, it is often a stepping stone to other professions such as acting, movies, compering and fitness.

Some of the tasks that Models do as part of their job:
· Understand the brief and act or model as per requirement
· Memorize lines and speak about the product or service
· Travel to various locations for advertisement shoots
· Participate in clothes fitting sessions before walking the ramp

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· Class XII completed
· B. A| B. Sc. | B. Com in any stream or discipline
· Training in Modeling, Acting, Make-up, Styling etc at reputed agencies usually run by ex-models

Eligibility and Selection to Modeling Assignments:

· No particular educational qualifications are required.
· Creation of a professional Portfolio
· Selection of your Portfolio by advertising agencies, model co-ordination agencies
· Selection in Beauty Pageants, Contests and Auditions run by various companies

Aptitude and Skills needed

· Self Confidence
· Camera friendly face and personality
· Clear, healthy complexion and height above 5'7"
· Fit Physique
· Professional Attitude
· Good Interpersonal skills to work in a Team

INDUSTRY GROWTH AND CAREER PROSPECTS

Industries such as fashion, lifestyle and luxury goods, consumer goods and services have been growing at a rapid pace in India. This has led to a steady demand for models to promote various brands.

Advertising agencies and modelling agencies are always on the lookout for fresh talent with strong personalities to launch new products. While there is constant demand for models, competition is high and only a few make it to the top.

JOB OPPORTUNITIES

Private Sector

· Modeling Coordinating Agencies
· Live Ramp Shows at Fairs, Fashion Weeks and Events
· Music Videos, TV Serials and Movies

Education

· Training School Modeling Coordinating Agencies

Self - Employed

Independently work on contract for different products or service brands, Advertising Agencies, Designers, Event-Managers and so on

Work hours and day/night shifts:

Variable work hours, Day and Night shifts depending on shoots and events

Advertising is a branch of the Marketing function in an organization as it aims to create awareness about a company's products and eventually boost its sales.

It is a way of communicating information about products and services to prospective customers. All advertising has one underlying objective – to persuade or convince the viewers to buy or use those products or services.

Depending on the medium, advertisements may be Print (Newspapers and Magazines), Digital (Internet) or Audio-Visual Advertisements (Radio and Television).

Advertising Professionals work in Advertising Agencies either as part of the Executive Team or Creative Team. The Executive Team interacts with clients to understand their marketing requirement and does Research, Analysis and Planning before giving the brief to the Creative team. Client Servicing, Media Planning and Market Research functions are part of the Executive Team. The Creative Team actually creates the Advertisement and consists of Copywriters, Scriptwriters, Illustrators, Graphic Designers, Photographers, Cinematographers, and Visualizers.

There are thousands of products being advertised around us every day. This means that Advertising has to be extremely relevant and creative to attract consumers and make products sell. Leading professionals in this field are very creative and have good Marketing acumen.

Some of the tasks Advertising Professionals do include:
· Follow Client's instructions in creating an advertisement
· Conduct Market Surveys to understand what features consumers are looking for in a product
· Create several options of an advertisement if required
· Book time slots on Television and Radio to run the ads
· Write Catchy Slogans and descriptions to describe the product in an appealing way

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.A Literature| Mass Communication| Media & Communication
· B.A/B.Sc Visual Communication | Graphic Design| Web Design
· B. Design in Communication Design| Graphic Design
· B. F. A (Bachelor of Fine Arts)
· B. Com | B. B. A with specialization in Marketing & Advertising
· Certificate Courses in Marketing and Advertising

Postgraduate courses
· M. A in Mass Communication| Media and Communication
· M. A / M.Sc Visual Communication | Graphic Design| Web Design | Advertising
· M. Des
· M.B.A with specialization in Marketing Management| Market Research
· P. G. diploma in Advertising and Public Relations

Eligibility and Admission process to courses

· Class XII completed
· Selection in entrances tests for B.B.A, B. Des, M.B.A

Aptitude and Skills needed

· Excellent Communication skills
· Aptitude for Digital Media
· Creative thinking
· Visualization skills
· Familiar with Marketing and Market Research
· Good command over English and local languages
· Team work

INDUSTRY GROWTH AND CAREER PROSPECTS

India's Advertising Industry is growing at a steady pace as companies try to market their products and services in an over-crowded market place. Television and Print Advertisements have always been popular in India but Digital Advertisement is the area which will see maximum growth according to the Pitch Madison Advertising Report 2016.

This includes web advertisements, online banners and social media promotions. The demand for skilled professionals in the various areas of Advertising, particularly in digital Media, will be on the rise.

JOB OPPORTUNITIES

Government jobs
· DAVP (Directorate of Advertising and Visual Publicity)
· Publicity Department of State Government Units

Private Sector
· Private Advertising Agencies
· Marketing and Advertising Departments of Large Companies
· Media Planning Agencies
· Market Research Organizations
· Public Relations Firms
· Advertising Film Production Houses
· Digital Media Agencies
· Creative and Design Agencies

Educational sector
· Lecturers and Professors of Advertising & Marketing at Management and Professional Colleges

Self employed
· Marketing and Advertising Consultants
· Brand Consultants
· Independent Media Planning Professionals
Independent Advertising Film Makers and Photographers

Work hours and day/night shifts:
Long hours with frequent overtime during deadlines/releases| Day shift

In its traditional sense, Agriculture is the cultivation of crops for consumption. Agricultural Science, on the other hand, involves the study and application of scientific methods to improve the methods of farming. It is the systematic and scientific study of the various aspects of plant and animal life.

Agricultural Scientists research methods to improve the quantity and quality of farmers' produce, develop high yielding seeds, conserve soil for cultivation, process plant and animal produce more efficiently and so on.

Agricultural Science covers disciplines such as Food Science, Plant Science, Horticulture, Poultry Farming, Soil Science, Animal Science and Dairying.

Some of the tasks Agricultural Scientists perform as part of their job includes:

· Conduct field-based or laboratory-based research for improving crop produce
· Test and compare the output of different types of seeds
· Discover methods to protect and preserve the environment
· Conduct experiments on food processing and storage
· Test the quality of food stuffs and drugs

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.Sc. in Agriculture specializing in areas such as Animal Science| Plant Protection| Soil Science | Agricultural Engineering | Crop Physiology

Postgraduate courses
· M. Sc in Agriculture
· Ph. D. in related fields

Eligibility and Admission process to courses

· Class XII completed with Science

Aptitude and Skills needed

· Interest in Agriculture and the Environment
· Superior Research and Analytical skills
· Excellent Observation
· Physical stamina for outdoor work when required
· Familiar with crops, pastures, soil types etc.
· Good Communication skills and team work

INDUSTRY GROWTH AND CAREER PROSPECTS

India has witnessed a Green Revolution in the last 2 decades with the production of food grains, horticultural output and milk having increased significantly. There has also been an expansion in the Food Processing Sector and in Agricultural Exports from India. Much of this has been made possible due to Agricultural Research and Development in the country.
However, India is still not as advanced as the developed countries of the West when it comes to Research Opportunities.
The competition for the limited openings in the Government and Academic sector is high as entry is based on selection tests and there are many aspirants applying for positions.
With the entry of Private Companies into Agriculture, the growth of Organic Farming and modernization of the Agricultural Sector, Agricultural Scientists are likely to find more opportunities for employment in future.

JOB OPPORTUNITIES

Government jobs

· Public Sector Units related to Agricultural Technology
· State and Central Agricultural Departments
· Government Bodies such as IFFCO (Indian Farmers Fertilizer Cooperative Limited), ICAR (Indian Council of Agricultural Research) and others
· Government Co-operatives such as National Seed Corporation, State Farm Corporation, Warehousing Corporation and Food Corporation

Educational sector

· Research Engineer or Associate Professor at various Agricultural Universities

Self employed

· Independent Consultants to various Agriculturists, Estate Owners, Plantation Owners and Agro-Business Houses

Research

· Scientists and Researchers at Universities and Private or Government Research Bodies such as ICAR (Indian Council of Agricultural Research)

Private Sector

· Private Agriculture companies
· Agro products and food-based businesses
· Food Export Companies
· Agricultural Equipment Manufacturers
· Fertilizers and Pesticide manufacturers
· Agricultural Banks
· Seed Manufacturers
· Biotechnology Firms
· Pharmaceuticals

Work hours and day/night shifts:
Fixed hours |
Day shifts

Air Traffic Controller

Air Traffic Controllers (ATCs) are trained to maintain the safe, orderly and speedy flow of airplane traffic, both in the skies and on the ground at airports.

Their main task is to coordinate the positions of different aircrafts, so that there are no collisions.

At busy airports, Air Traffic Controllers also ensure that flight delays are minimized and the airport functions with efficiency.

Air Traffic Controllers do some of the following tasks as part of their job:
· Talk to pilots through a two-way radio system
· Direct aircrafts that want to land or take off
· Ensure a safe 'separation' distance between landing and departing aircraft
· Deal with emergencies
· Give air traffic clearances and advice based on information from the National Weather Service and other sources

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Tech. (Bachelor of Technology) in Electronics / Telecommunication / Radio Engineering / Electrical with specialization in Electronics

Postgraduate courses
· M. Sc. or its equivalent in Wireless Communication, Electronics, Radio Physics or Radio Engineering as a special Subject
· All aspirants who make it through the Civil ATC selection process are sent to the Aviation Training Colleges at Allahabad or Hyderabad

Eligibility and Selection process

· B. Tech. or M. Sc. or equivalent degree
· Civil ATC entrance exam conducted by AAI
· Voice test
· Personal Interview
· Medical fitness as per International Civil Aviation Organization (ICAO)

Aptitude and Skills needed

· High level of concentration in busy situations
· Ability to work under high stress
· Superior cognitive skills as complex information from many sources flows in
· Quick decision making
· Normal vision with no colour blindness
· Sharp hearing and clear speech
· Fluent in English

INDUSTRY GROWTH AND CAREER PROSPECTS

All who clear the Airports Authority of India's (AAI) selection process including Medical Fitness tests are directly recruited by the AAI. This means that once selected you are guaranteed employment by the AAI which is the sole employer of civil ATCs in India.

With a growing civil aviation sector, India needs more controllers to service new and expanding airports.
Besides, there are not many people who venture into this field because of the high stress nature of the job. This leads to a high demand for high quality ATCs in India.

JOB OPPORTUNITIES

Government jobs

· Airport Authority of India (AAI)
· Hindustan Aeronautics Limited (HAL) and select government agencies
· Instructors at India's national aviation training colleges

Career Path – Junior Executive | Assistant Manager | Manager| Senior Manager | Assistant General Manager | Deputy General Manager | Joint General Manager | General Manager| Executive Director (ATM) | Member (ATM) in AAI Board

Private Sector

Few small private airports

Work hours and shifts:

Erratic work hours/ Controllers work on rotating shifts with intermittent breaks through their work hours, including nights, weekends and public holidays

Are you very artistic and imaginative with good computer skills? If video games, cartoons and animated films have always fascinated you, animation may be the career for you.

Animation is the creation of moving images with the help of technology. So Tom and Jerry or Chota Bheem, on your TV screen, are originally just sketches or Computer Generated Images (CGI) and Animators bring them to life by using animation software.

Animation has several areas of specialization such as Pre-production, Modeling, Visual Effects (VFX), Art Direction/Production design and Audio-Visual Editing.

Some of the activities that Animation professionals do:
· Storyboarding (drawing individual panels of every scene)
· Modeling or creating the actual characters, sets and props of a project
· Adding motion to characters - making them move, walk and talk
· Creating visual effects like explosions, smoke, water and fire with animation tools

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Multimedia and Animation/ Multimedia Production and Technology/ Digital Art and Technology
· B. A. in Digital Media (3D Animation/3D Animation & Visual Effects/Visual Communication etc.)
· B.F.A (Bachelor of Fine Arts)
· B. Tech Architecture
· B. A. or B. Sc. in any discipline - followed by diploma in animation (6 months to one-and-a-half years)

Diploma courses
· 2D/3D Animation & Visual Effects (VFX) | Animation and Film-making| Post Production Animation Engineering (DAE)
· Classical Animation (DCA)
· Digital or Fusion Animation
· Graphic & Web Designing
· Video Editing & VFX

Aptitude and Skills needed

· Creativity and imagination
· Computer skills, animation software knowledge
· Patience, hard work and attention to detail
· Ability to work under high pressure
· Interpersonal skills and team work

Eligibility and Admission process to the above courses

· Class XII completion
· Selection in entrance test at leading design colleges
· Personal Interview
· Studio Test to assess creative skills

INDUSTRY GROWTH AND CAREER PROSPECTS

The animation industry in India is growing at a fast pace because of the boom in the Entertainment and Gaming sector. India is a major outsourcing centre for quality animation work from across the world.

The animation and visual effects (VFX) industry in India is expected to grow at 16.3% to reach Rs 95.5 billion by 2019. VFX and post-production services are expected to grow at 26% and 22% respectively.

JOB OPPORTUNITIES

Private Sector

Large or small animation studios, film and advertising production houses, multimedia firms, digital companies, e-learning ventures and gaming companies employ animators as:
· Graphic Designers, 2D/3D Animator, 2D/3D Designer, 3D Modeler
· Visualisers
· Web Designers
· Computer game developers
· Audio-Visual editors
· Interactive multimedia programmers and designers
· Pre- and Post-production executives

Educational sector

· Professors in Government & Private design colleges that teach multimedia courses
· Trainers in specialized multimedia institutes

Self employed

Freelance graphic designers, animators and multimedia professionals who work either on contract basis or on projects

Work hours and shifts:

Day job/Fixed hours if employed with a firm, erratic hours if freelancer

Anthropology is the study of mankind through the centuries. It traces the growth and behavior of the human race, focusing on the origin of the human species.

Anthropologists are social scientists who study various cultures, civilizations, traditions and customs and lifestyles of human societies across the word through observation and research. They focus on aspects such as the language, traditions, religious beliefs, political and legal systems, economy, education, health care and art of societies.

Though Anthropology may not be considered very job focused, it is very important in today's globalized world. Anthropologists help us understand and relate to different cultures and societies in the world. They help us become more tolerant of diversity. Most importantly their research and findings give us ideas on how ancient civilizations had used their environment in responsible ways without damaging it.
We find answers for questions about medicine, ecology, environment, history, psychology etc. in anthropology.

The four branches of anthropology are Archaeological, Physical-Biological, Socio-Cultural and Linguistic Anthropology.

Some of the tasks that Anthropologists do include:
· Do field work and participate in Archeological digs
· Observe and note down findings about particular societies
· Research and gather data about a community, a region or practice - through observation and recording findings
· Write and edit detailed reports based on research & findings
· Reconstruct chronological sequence of history based on relics
· Publish papers, essays and books on their topic of specialization

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. A| B. Sc. in Anthropology

Postgraduate courses

· M. A.| M. Sc. in Anthropology
· M. Phil with specialization in related fields of Anthropology
· Ph. D.

Eligibility and Entry into jobs

- Class XII completed in science or arts stream

Aptitude and Skills needed

· Ability to gather, assess and interpret data
· Learning and study skills
· Aptitude for travel and outdoor work
· Aptitude for data analysis and report writing
· Communication and presentation skills
· Analytical and critical thinking
· Team Work

INDUSTRY GROWTH AND CAREER PROSPECTS

Anthropology as a field of study and a career option is not very common in India. As a result, many students of anthropology seek opportunities outside India where this field is more popular.

Most opportunities even in other countries are based on research and teaching.

In India, prospects are limited to Government Research Organizations, NGOs, Colleges and Universities.

JOB OPPORTUNITIES

Educational sector

· Lecturer or Associate Professor of Anthropology and related fields in Colleges and Universities

Research

· Research in related disciplines in various organizations or educational institutions
· Medical Researcher at Hospitals and Clinics

Social Sector

· Social Work
· Socio-cultural anthropologists at NGOs

Work hours and day/night shifts:

Fixed hours | Day shift

Archeology is the study of past civilizations that existed many thousands of years ago. Archeologists have to excavate beneath the earth's surface to recover relevant historical material, physical remains and the architecture and artifacts pertaining to that period.

They examine and analyze excavated data, study laboratory samples and archived information to uncover patterns about human life and its culture and origins.
These discoveries often involve both field work as well as a variety of laboratory procedures.

Many Archeologists work with the ASI (Archeological Survey of India) or with Government departments and Ministries involved in the conservation and maintenance of India's protected sites and monuments. Archaeology also serves as an important tool for Environmental Conservation and Urban Town Planning.

Some of the tasks Archeologists do include:
· Conduct initial fieldwork
· Research and read up on the history and culture of ancient civilizations
· Excavate sites and categorize them
· Assign dates, analyze and interpret historical material
· Conserve and maintain India's protected monuments and architectural heritage sites
· Prepare reports and present research findings

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. A. in Indian History, Culture and Archaeology| Museology and Archaeology

Postgraduate courses
· M. A. in Archeology and Heritage Science
· P. G Diploma in Archeology (ASI)
· Ph. D. in Archeology and related fields

Eligibility and Admission to Postgraduate Courses

· Undergraduate degree in History, Sociology, Anthropology, Social Sciences or Arts

Aptitude and Skills needed

· Interest in ancient history
· Research skills
· Attention to detail
· Patience and Perseverance
· Physical endurance for Field Work

INDUSTRY GROWTH AND CAREER PROSPECTS

India has a rich history and cultural heritage that needs to be carefully preserved and documented. India also has an abundance of monuments and sites to be conserved and maintained. The ASI (Archeological Survey of India), various Government Departments and National Trusts are the key employers of Archeologists in India.
Recruitment is through exams conducted by the UPSC and State Public Service Commissions. A Ph. D. in Archaeology is necessary for the more senior posts in Government.
The competition is tough for the limited number of openings across the country and the more experienced and qualified candidates get preference for many senior roles.

JOB OPPORTUNITIES

Government jobs

· ASI (Archeological Survey of India)
· Government Departments such as Ministry of External Affairs, Ministry of Information and Broadcasting, All India Handicrafts Board, Ministry of Education
· Central and State Departments of Tourism
· National Archives of India
· Central Board of Film Censors
· Defense Services
· Government Museums

Private Sector

· Private Museums and Individual Collectors
· Cultural Bodies such as
  ICCR (Indian Council of Cultural Relations),
  ICHR (Indian Council of Historical Research),
  INTACH (Indian National Trust for Art and Cultural Heritage)

Private Art Trusts

Educational sector

Lecturers or Associate Professors of Archeology and related subjects at Universities and Colleges in India

Research

Government or Private Research Bodies in areas such as Urban Planning or Environmental Conservation

Work hours and day/night shifts:
Variable work hours | Day and Night shifts depending upon the project

Astronomy is the study of the Universe and all its bodies such as stars, planets, comets, asteroids as well as man-made satellites.

It focuses on what these celestial bodies are made of, how they move and interact with each other and the laws that govern their movement in space.

Astronomers apply the principles of Mathematics, Physics, Chemistry, Geology and Computer Science to their study of the Universe. They use advanced equipment and the latest computer software and imaging tools for their observations and analysis.

Astronomy has various specializations such as Astrophysics, Astro-meteorology, Astrophysics, Astrobiology, Astro-geology, Astrometry, Cosmology and so on.

Some of the tasks Astronomers perform include:
· Study the movement, orbit routes and position of planets bodies
· Study their nature, constitution, brightness, temperature and physical state
· Perform Mathematical and Statistical Analysis on the data they collect through observation
· Study the earth's atmosphere based on inputs from earth satellites and spacecraft
· Use equipment such as the Hubble Space Telescope, Ground Telescopes, Spectrometers and Photometers

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Physics with Maths
· B. Sc. in Physics with Astronomy | Space Science | Astrophysics
· B. E| B. Tech in Physics| Physical Sciences|
An undergraduate degree is insufficient to progress into the career of an Astronomer. Most Astronomers have to undergone Postgraduate level studies and very often Ph D.

Postgraduate courses
· M. Sc in Physics with subjects such as Astronomy | Space Science | Astrophysics
· M. Sc in Astronomy and Astrophysics
· Ph. D in Astrophysics, Astronomy and related areas

Eligibility and Admission process to courses

- Class XII completed with Mathematics and Physics

Aptitude and Skills needed

· Strong in Mathematics and Physics
· Passionate about the Universe, Galaxies and Planets
· Curious and Seeking mind
· Scientific and Analytical temperament
· Endurance towards long night hours in observatories
· Knowledge of specific science-related software programs

INDUSTRY GROWTH AND CAREER PROSPECTS

Most opportunities in this field are in Research. For reaching the role of an Astronomer, a Ph. D. is quite essential. After Ph. D., new entrants in the field take up post-doctoral positions in Universities or Research Institutions. Eventually, Astronomers gain steady positions as Researchers and Group Leaders in University Departments, National Facility, or Government Research Centers. Astronomy is a small and specialized field and the path to becoming an Astronomer is a long and hard one.

Additionally, it is highly specialized area with limited job opportunities and fewer students opting for the field. As a result, there is a shortage of Scientists and Researchers in the field. Despite this, Astronomy is not for everyone. Only those with a strong education in this field and have a deep passion for it are likely to find career growth and permanent positions. Often students trained in Astronomy also work in areas such as Industrial Research, Meteorology and Geology, Commercial or Industrial Enterprises and Education.

JOB OPPORTUNITIES

Government jobs

· Scientists at various Government Research Bodies and Universities
· Government's Department of Space and its various Agencies and Institutes such as ISRO(Indian Space Research Organization), VSSC (Vikram Sarabhai Space Centre), LPSC (Liquid Propulsion Systems Centre), SDSC-SHAR (Satish Dhawan Space Centre)

Private Sector

· Robotics
· IT (Information Technology) and Computers
· Aerospace and so on where the mathematical and research skills of Astronmers can be used effectively

Educational sector

· Lecturers and Associate professors at various Universities where Astronomy or Astrophysics are offered as specializations

Research
· Scientists at Government or Autonomous Research Institutes

Work hours and day/night shifts:

Fixed hours except in the case of research Scholars where the hours vary| Day and Night shifts mainly for purposes of observation

Architecture deals with the planning and designing of buildings – from houses and schools to malls and large commercial structures. Architects are professionals who are trained and licensed in designing buildings. They draw up of detailed plans for each section of the building for the final construction.

It is the Architect's job to make sure that a building is not just good looking but meets all the needs of its occupants - functionality, safety, appearance, budget and time available for construction.

Architects can specialize in a wide range of related areas such as landscape design, urban design and planning, ecological management, environmental design and heritage management.

Some of the tasks Architects perform on their jobs include:
· Design a building from the beginning or make alterations to an existing structure
· Create detailed sketches of the building using CAD (Computer Aided Design) software
· Prepare estimate of the cost of materials and construction
· Get required permissions from building authorities
· Negotiate contracts with building contractors, civil and structural engineers
· Make regular site visits to check progress and quality of work

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. E. in Civil Engineering
· B. Arch (Bachelor of Architecture)
· Diploma in Civil Engineering

Postgraduate courses
· M. Arch(Master of Architecture)

Eligibility and Entry into course

· Class XII completed with Math & Science
· Selection in NATA (National Aptitude Test) – with a higher score you can secure a seat in top colleges

Aptitude and Skills needed

· Excellent communication skills
· Creativity and imagination
· Excellent design and drafting skills
· Aptitude with CAD (computer-aided design)
· Strong mathematical skills
· Project management and planning skills
· Team Work

INDUSTRY GROWTH AND CAREER PROSPECTS

With economic growth and rapid urbanization, there has been a construction boom in India. The Indian real estate market is expected to touch US$ 180 billion by 2020. The housing sector contributes 5-6 % to the country's Gross Domestic Product (GDP). This has led to a growing demand for Architects in the country.

In a developing and populated country like India, the Government has to invest in good infrastructure and urban planning to accommodate the surging population in our cities. These initiatives are yet to take off. Trained and experienced Architects specialized in Urban Design and Transportation Planning will be in great demand to help build this much-needed infrastructure and help to plan smart cities.

JOB OPPORTUNITIES

Government jobs

· Central and State Public Work Departments
· Housing and Urban Development Corporation,
· Civic bodies and Municipalities, City Development Authorities, State Housing Boards etc.

Private Sector

· Private builders and Real estate development firms
· Architect firms

Educational sector
· Lecturer or Professor of Architecture at Colleges and Universities

Self employed
· Set up your own independent practice as an Architect Architectural Consultant to builders and construction firms

Work hours and day/night shifts:
Fixed hours | Day shift, with visits to construction sites

The Indian Armed Forces consist of four professional uniformed services:
The Indian Army, Indian Air Force, Indian Navy and Indian Coast Guard.

Various Paramilitary Organisations and Inter-Service Institutions also help the Indian Armed Forces.

Aptitude and Skills needed

· Courage and zeal to lead
· High level of physical endurance
· Mental alertness and agility
· Good Management and Leadership Skills
· Tactical decision-making under pressure
· Positive frame of thought
- Passion and commitment to a tough way of life

JOB OPPORTUNITIES

Entry into the Indian Air Force can be done through the NDA or CDSE, AFCAT (Air Force Common Admission Test) or NCC entry followed by SSB Interview, and a series of other tests such as PABT (Pilot Aptitude Battery Test) and Medical Fitness Tests.

Detailed information on recruitment into the IAF is available on the government website.

Work hours and day/night shifts:

Non-fixed hours depending on peace time or war | Day and Night shifts

Indian Army

Initially, the Army's main objective was to defend the nation's frontiers. However, over the years, the Army has also taken up the responsibility of helping during natural calamities and providing internal security in insurgent-hit areas of the country.

Selection Process into the Indian Army:

There are several levels at which you can enter the Indian Army based on your age and qualifications. You can join as a Commissioned Officer, Junior Commissioned Officer (JCO) or as Other Rank (OR) - depending on your education and performance in the written exams and fitness tests.

Permanent Commission (PC) or Short Service Commission (SSC).

As a Commissioned Officer you can join either under Permanent Commission (PC) or Short Service Commission (SSC).

A Permanent Commission means a career in the Army till you retire. You also have the option of Joining the Army and serving as a Short Service Commissioned Officer for 10/14 years. At the end of the 10 years you may either elect for a Permanent Commission or opt out or have the option of 4 years extension. You can resign at any time during this period of 4 yrs extension.

Commissioned Officer in the Indian Army

You can join the Indian Army as a Permanent Commissioned Officer by selection to the NDA (National Defence Academy) or by passing the CDSE (Combined Defense Service Examination) conducted by UPSC.

There are several other modes of entry as Commissioned Officer, such as include UES (University Entry Scheme), AEC (Army Education Corps) Recruitment, Technical Entry Services and so on. In all these, it is mandatory to also clear the interview by the SSB (Services Selection Board) and all medical tests.

JCO (Junior Commissioned Officers) and OR (Other Ranks) in the Indian Army

The recruitment to the ranks of JCO and OR are done throughout the year through an open rally system.

Candidates have to meet all requirements such as documentation, physical fitness and measurement, and written examination.

Detailed information on recruitment into the Indian Army is available on the government website.

Indian Navy

The Indian Navy recruits candidates either at Officer Level or Sailor Level. Here also you can join on a Permanent Commission or Short Service Commission basis.

Naval Officer

Naval Officers recruitment for Permanent Commission takes place through NDA or INA (Indian Naval Academy) after class XII or through CDSE after Graduation through a written examination conducted by the UPSC, followed by an interview by the SSB. For other Permanent
Commission and Short Service Commission entries there is no written examination. These applications are short listed as per the criteria laid down by the Naval Headquarters, Directorate of Manpower Planning & Recruitment. Selection is through merit alone.

Sailor in the Indian Navy

Sailor recruitment is made for various categories of applicants which include Senior Secondary Recruit (SSR), Matric Recruit (MR), Musician (MUS), Non-Matric Recruit (NMR), Sports Entry and Artificer Apprentices (AA).

Selection is based on your performance in the written exam as well physical and medical tests.

Detailed information on recruitment to the Indian Navy is available on the government website.

Indian Air Force

As an officer in the Indian Air Force you will strategise, lead and manage.

Depending on your qualifications, you could join one of the various branches in the IAF. Broadly the Air Force has three branches with further sub-streams:

(a) Flying Branch
· Fighters
· Transports
· Helicopters

(b) Technical Branch
· Mechanical
· Electronics

(c) Ground Duty Branch
· Administration
· Accounts
· Logistics
· Education
· Meteorology

Entry into the Indian Air Force can be done through the NDA or CDSE, AFCAT (Air Force Common Admission Test) or NCC entry followed by SSB Interview, and a series of other tests such as PABT (Pilot Aptitude Battery Test) and Medical Fitness Tests.

Detailed information on recruitment into the IAF is available on the government website.

AIR FORCE   ARMY   NAVY

Automobile Engineering deals with the design, manufacture, operation and maintenance of automobiles. It is a branch that incorporates elements of several engineering disciplines such as mechanical, electrical, electronics, computer engineering and so on.

Automobile Engineers are trained professionals who oversee the entire process of automobile manufacture; from designing the vehicle to manufacturing its components, assembly and testing the vehicle for safety. In short, they take the automobile from a concept stage to manufacture, testing and maintenance.

Automotive Engineers specialize in many related areas of the field such as Engine Systems, Electronics and Control Systems, Fuel Technology and Emissions, Fluid Mechanics, Aerodynamics, Thermodynamics, Rapid Prototyping, Emissions Control and so on.

Some of the tasks Automobile Engineers perform on their job include:
· Design automobile components using CAD (Computer Aided Design) software
· Apply engineering principles to find solutions to design and manufacturing challenges
· Build prototypes of components and automobiles
· Prepare cost and time estimates for manufacturing
· Review design changes and modifications to existing vehicles
· Inspect and test drive new vehicle models

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B.E. / B. Tech in Automobile Engineering | Electronics and Communication| Mechanical Engineering| Electronics & Instrumentation and so on
· Diploma in Automotive Engineering

Postgraduate courses
· M. Tech in Automobile Engineering and related fields
· Ph. D. in related fields

Eligibility and Admission process to courses

- Class XII completed with Math & Science
- Selection through entrance tests of most top engineering colleges

Aptitude and Skills needed

· Passion for automobiles and engines
· Aptitude for Mathematics
· Engineering and Design skills
· Precision and attention to detail
· Team work
· Communication skills

INDUSTRY GROWTH AND CAREER PROSPECTS

The country's automobile industry is growing rapidly, with India being considered as a global manufacturing centre for small car makers. According to the Society of Indian Automotive Manufacturers (SIAM), Indian automotive sector today is a $74 billion industry and by 2026, the industry is expected to achieve a turnover of $300 billion.

With most international automotive manufacturers setting up component manufacturing and assembly units in India, the job opportunities for qualified and trained automobile engineers is on the rise.

JOB OPPORTUNITIES

Government jobs

· State Road Transport Corporations
· Government owned transport companies and services
· Government Departments
· Public Sector Units
· Defense Services

Private Sector

· Private Automobile Manufacturing Companies
· Automobile designers
· Private Transport companies
· Inter-city Bus, taxi chains

Educational sector

· Lecturers and Associate Professors of Automobile Engineering at colleges and universities

Research

· Research Departments of Private Automobile Giants

Self employed

· Set up independent business in Auto Components Manufacture, Auto Maintenance Companies or Automobile Garages

Work hours and day/night shifts:

Fixed with some overtime| Day shifts
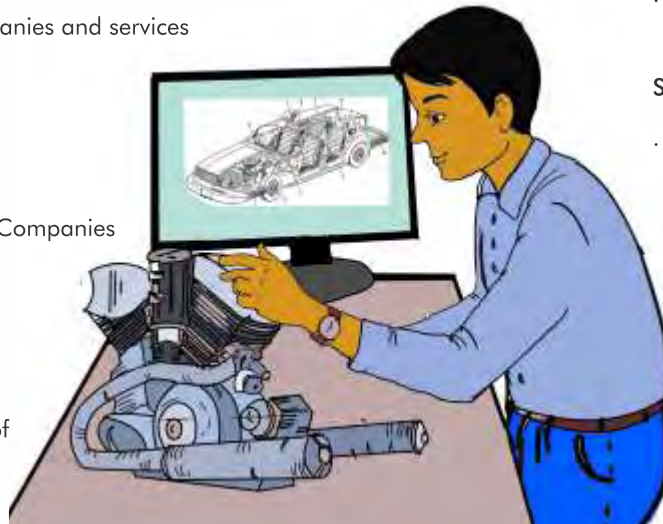
Ayurveda is an ancient Indian healing practice that dates back to the Vedic period.

The Ayurvedic system of healing treats patients by restoring balance between body and mind, through the use of herbs, oils and natural products.

It emphasizes not just curing ailments but on having a healthy lifestyle and preventing illnesses.

Though an Indian practice, today Ayurveda has evolved into a full-fledged system of alternative medical science with multi-specialty treatment centers and highly equipped medical colleges.

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.A.M.S. (Bachelor of Ayurvedic Medicine and Surgery)
· B. Pharm. (Bachelor of Pharmacy) in Ayurveda
· Diploma in Herbal Medicine Manufacturing

Postgraduate courses
For further growth one may take up -
· MD (Doctor of Medicine) with choice of subjects related to Ayurveda
· M Phil / PhD in Ayurvedic or non-Ayurvedic subjects such as Analytical Chemistry and Bio-Chemistry

You can choose to study:

· MPH (Masters in Public Health)
· MHA (Masters in Health Administration)
· MBA (Hospital and Healthcare management)
· MBA (Pharmaceutical Marketing)- for managerial roles in Ayurveda
· Postgraduate diploma in Emergency Medicine

· Postgraduate diplomas in related subjects e.g., Panchakarma, Balarog, Yoga, Ayurvedic dietetics, Counseling, Physiotherapy - to add value to their clinical practice

· Postgraduate diploma in Clinical Research (Ayurveda) M.Sc. In Clinical Research/ Biotechnology / Bioinformatics/ Health-Sciences/ Pharmaceutical Medicine

Eligibility and Admission process to courses

· Class XII completed with Science (Biology)
· Entrance test for BAMS · Entrance Test for MD
· PhD: 10 years clinical experience/ 5 years teaching experience

Aptitude and Skills needed

· Knowledge of human anatomy
· Excellent listening skills to understand patient's problems
· High diagnostic skills and cognitive skills to identify the root problem of patients
· Knowledge about natural products and their healing properties
· Ability to combine ancient healing methods with modern medical techniques

INDUSTRY GROWTH AND CAREER PROSPECTS

The growing awareness about chemical and synthetic drugs in allopathic medicine creating a global shift towards alternative and natural therapies like Ayurveda. There is an increase in Ayurvedic medical tourism in India.

Not just physicians but Ayurvedic massage therapists, manufacturers of Ayurvedic medicine, teachers and researchers in the field are in demand. However, growth prospects and income in the field are still moderate.

JOB OPPORTUNITIES

Government and Private Jobs

· Ayurvedic physicians at Government and private hospitals, clinics, wellness centers
· Administrative and managerial roles in Ayurvedic hospitals
· Professionals in Sports Medicine, Preventive and Promotive healthcare
· Ayurvedic medicine manufacturing units
· Ayurvedic cosmetics and food products enterprises

Educational sector

· Lecturers and Demonstrators in Ayurvedic colleges
· Conducting special workshops to teach specific Ayurvedic therapies

Research

· Jr. Research Fellow in various Ayurvedic institutions or colleges

Self employed

· Setting up your own ayurvedic practice Cultivation of medicinal plants, trading in raw materials in the form of powders, extracts, oils

Work hours and day/night shifts:
Fixed hours and Day job, except in case of emergencies

Banks are organizations that take care of the money flow in a country. They receive money in form of deposits from individuals and pay interest on these deposits. In turn, Banks lend money in form of loans to customers who need funds for their needs - such as purchase of vehicle or home, business, education or medical expenses.

Banks also offer services such as foreign currency exchange, ATM (Automated Teller Machine), investment advice and bill payment to customers.

The Indian Banking system is consists of Public Sector Banks, Private and Foreign Banks. Probationary Officers (PO) and Clerical Staff are the entry level posts at Public Sector Banks. Private Banks hire MBAs, Chartered Accountants (CAs) and high performing finance graduates for a variety of roles. Banks have openings for teller, customer relationship manager, branch manager/heads and sales officers.

They also hire employees for insurance, personal loans, Mortgages, Collections and Back Office Operations.

Bank Employees perform a variety of roles and functions:
· Tellers pay and receive cash from customers
· Customer Relationship Managers take care of customers' banking needs and advise them on products and services the bank can provide them based on their needs
· Sales executives sell the Bank's financial products to new and existing clients
· Loan Officers manage sanction and oversee loan accounts of customers
· Collections Officers make sure loans taken from the bank are paid back
Back office staff compute interest and prepare statement of accounts for all customers

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Com (Bachelor of Commerce) | B. Com (Banking and Finance) | B. A. (Economics) | B.Sc (Economics)
· Bachelor's Degree in any stream

Postgraduate courses
· M. Com
· M. A. (economics)
· MBA (Master of Business Administration)
· CA (Chartered Accountant)

Eligibility and Admission process to courses

Eligibility and Selection Process for Public Sector Banks
· Graduate Degree in any stream
· For clerical posts in Public Sector Banks
· Selection in entrance test
· For Probationary Officers (PO) post at Public Sector banks
· Selection in Bank PO Common Written Examination (CWE)
· Selection in Personal Interview

Eligibility and Selection Process for Private and Foreign Banks
· Graduate Degree in any stream, MBA, CA
· Selection in the recruitment process of each bank including tests, interview and so on

Aptitude and Skills needed

· Attention to detail
· Numerical aptitude & actuarial knowledge for insurance work
· Effective and clear communication
· Interpersonal skills and ability to work in a team
· Customer handling skills
· Computer skills and specialized banking software knowledge

INDUSTRY GROWTH AND CAREER PROSPECTS

India has a stable and sound Banking system. The industry has seen strong growth in the recent years with many private and foreign banks setting up offices in India. However, a majority of Indians, mainly in villages, do not use the services of Banks.

As more people are brought under the Banking network, there is tremendous scope for growth in this sector and a large number of job opportunities will come up in Banking.
A Banking career is in huge demand worldwide because it offers good pay with stability and high social standing.

JOB OPPORTUNITIES

Government jobs

· Public Sector Banks

Private Sector

· Private and Foreign Banks
· Auditing Firms (KPMG, Price Waterhouse, etc.)
· Financial Companies
· Mutual Funds, Portfolio Management Companies, Investment Houses, Stock Broking Firms
- IT firms specialized in Financial Software

Work hours and day/night shifts:

Fixed work hours| Day shift

The Beauty business is focused on the use of a range of beauty aids, products, treatments and grooming techniques that help people enhance their looks and physical appearance.

This field is often referred to as Cosmetology and has specialized branches such as hair-styling, skin care, cosmetics and make-up, manicure and pedicure, electrology and so on.

Beauticians study their client's facial features, age, skin, hair type and so on before making recommendations on ways to improve their appearance.

They focus on everything from make-up and nails to hair styling and skin care.

Essentially, the Beauticians job is to help the client look his or her best through improvements to their face, body and hair.

Some of the tasks Beauticians do on the job include:
· Cut, colour or style hair
· Give manicures, pedicures, facials and head massages
· Clean beauty equipments and devices after use on each client
· Perform electro therapy treatments
· Interact with clients, offer advice on their beauty problems

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· Class X / XII any stream for certificate courses
· Any undergraduate degree for Cosmetology course

Eligibility and Admission process to courses

· No particular educational qualification required

Aptitude and Skills needed

· Hygienic and well-groomed
· Excellent eye-hand coordination
· Good aesthetic sense and creativity
· Updates on the latest beauty trends globally
· Diplomatic and discreet
· Ability to work on one's feet for long periods of time
· Ability to work efficiently and calmly under pressure
· Team work
· Communication and interpersonal skills

INDUSTRY GROWTH AND CAREER PROSPECTS

India is a growing market for professionals in the Beauty Segment. With urbanization, more women in the workforce and increase in disposable income, Indian men and women feel the need to be well groomed and presentable.

Also, India is opening up to international cosmetics giants who see a huge untapped market in our country. Bollywood, Television and the booming Fashion Design and Apparel industry are all contributors to the growth of the Beauty business in India.

Professionals with specialized training in areas such as skin care, make-up, Spa therapies and hair styling will be in huge demand as the Beauty sector matures and becomes more organized.

JOB OPPORTUNITIES

Private Sector

· Beauty Salons
· Skin and Hair clinics
· Hospitality industry | Resorts | Spas
· Fashion, Advertising, Film, Television and Theatre
· Airlines industry
· Fashion and Beauty
· Journalism

Educational sector
· Trainers and Instructors of Cosmetology, hair-styling and so on at various Training Academies and Salons

Self employed

Freelance Beauticians who work for clients on an appointments basis

Work hours and day/night shifts:

Fixed | Day shifts

Bio-Informatics is a field of science that is a combination of Information Technology and Bio- Technology. Research in the field of Bio Technology generates such vast quantities of data that Researchers were at a loss on how to manage and make sense of it.

Bio-Informatics is a relatively new field of study that focuses on the application of Computer Technology to the analysis, interpretation and management of research data in Bio-technology.

Bio-Informatics professionals develop specialized computer programmes to collect, analyze and interpret Biological statistics.

The findings that emerge from these efforts can help in a wide range of areas such as Healthcare, Pharmaceuticals, Environmental Conservation, Energy and Agriculture.

Some of the tasks Bio-Informatics Professionals undertake are:
· Design a clinical trial for a new medication
· Develop databases to compile the data gathered from Molecular Biological Research
· Create data algorithms and specialized computer software to process Biological research data
· Test new and updated Bioinformatics tools and software
· Consult with other scientists and researchers to analyze data sets

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Bio Informatics
· B. Sc in Molecular Biology | Genetics| Microbiology| Physics| Chemistry| Pharmacy| Veterinary Sciences| Mathematics
· B. Tech in Bio Informatics
· B. E or B. Tech in Computer Science

Postgraduate courses
· M. Sc. in Bio Informatics | Molecular Biology | Genetics| Microbiology| Chemistry | Physics| Mathematics and so on
· PG Diploma in Bio Informatics
· M. Tech in Computer Science
· Ph. D. in Bio Informatics or related areas

Eligibility and Admission process to courses

· Class XII completed with Biology
· Selection in the entrance tests of leading Engineering Colleges for B. tech or B. E.

Aptitude and Skills needed

· Skilled at Computer Science, Statistics and Mathematics
· Interest and aptitude for Biology and Chemistry
· Aptitude for Research
· Ability to represent Biological processes in Mathematical, Statistical and Computing terms
· Critical-thinking skills and Problem Solving approach
· Team work

INDUSTRY GROWTH AND CAREER PROSPECTS

Bio Informatics is still an emerging sector and much of the work is research based. Like in most other research areas, opportunities in India are comparatively low at present. Most opportunities for research professionals currently involve moving to countries where research work is fairly advanced such as the USA.

India has one of the largest reserves of Science and Engineering professionals in the world, with more graduating each year. It also has a strong IT (Information Technology) industry. These factors give India a natural advantage as a base for a sound Bio Informatics sector. The industry is set to grow in India and will offer plenty of opportunities for trained professionals in the coming years.

JOB OPPORTUNITIES

Government Jobs

· Government Department of Information Technology Government Research Bodies and Government Universities

Private Sector

· IT and Software companies in the field of Genomics
· Medical Equipment manufacturers
· Pharmaceutical Industry
· Biotechnology and Biomedical Science Companies
· Hospitals
· Agricultural industry
· NGOs
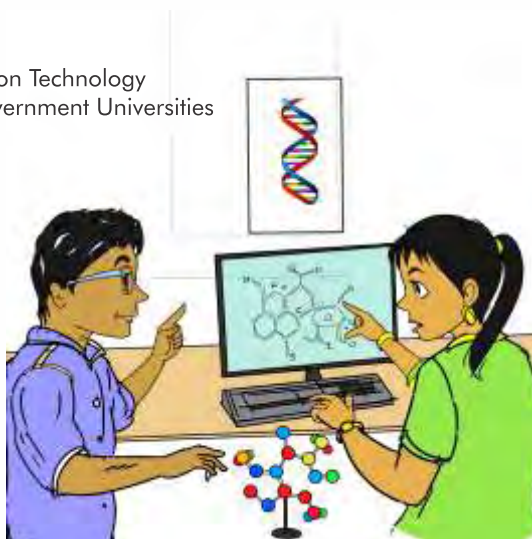
Research

· Private Research Laboratories that perform research in pharmaceuticals, medical technology, biotechnology, computational biology and so on
· Research wing of IT firms

Educational Sector

· Lecturers and Professors of Advertising at Management and Professional Colleges

Work hours and day/night shifts: Variable hours as it is largely Research | Day and Night shift

Biology is a branch of science which studies living organisms. Biologists are often involved in research in a wide range of related disciplines such as Medicine, Agriculture, Animal Husbandry and Wildlife, Agronomy, Forestry, Horticulture, Fish and Wildlife Conservation and so on.

They apply their findings to improve quality of life on the planet as well as help to conserve our environment and animal life.

Oceanography and Marine Biology, Biochemistry, Forensic Biology, Environmental Biology, Molecular Biology, Bio-instrumentation, Biotechnology and Biophysics are some of the new and exciting streams that are included under Biology.

Some of the tasks Biologists take up include:
· Study the effect of pollutants on marine life
· Identify improved methods of cultivation, farm management, rotation of crops and soil testing
· Take care of rare biological specimen in museums and zoos
· Experiment under controlled conditions to cross breed and develop better yielding plants
· Study habitats of animals and birds and the conditions needed for their conservation and survival

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Biology | Botany | Chemistry| Physics| Zoology| Ecology| Marine Biology and so on
· B. Sc. in Life sciences

Postgrduate courses
· M. Sc. in Biology with specialization in Botany| Zoology| Marine Biology|Life Sciences | Bioinformatics | Biotechnology| Microbiology
· M. Phil
· Ph. D. in Biology and related disciplines

Eligibility and Admission process to courses

· Class XII completed with biology

Aptitude and Skills needed

· Passionate about animal and plant life
· Cognitive skills and a curious, analytical mind
· Sharp observation powers
  Aptitude for long hours of laboratory research

INDUSTRY GROWTH & CAREER PROSPECTS

Many fields such as Biotechnology, Bioinformatics, Microbiology and Biochemistry are relatively new in India. Most opportunities in these are research-based and require professionals with postgraduate degrees or Ph D.
Until recently, opportunities were limited in these fields and the pay was not very high in India.

However, since the last decade the Indian Government has set up many research institutions in this field, giving a thrust to research and development initiatives in Biology and Life Sciences. Job and research opportunities depend on the discipline which you are specialized in.

JOB OPPORTUNITIES

Government Jobs
· Research Scientists, Laboratory Technicians and Research Associates at various Government-run Research Bodies
· Some of these include- Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Center for Cell & Molecular Biology (CCMB), Council for Scientific and Industrial Research (CSIR), National Centre for Biological Sciences (NCBS), National Institute of Plant Genome Research (NIPGR), National Institute of Oceanography (NIO), National Brain Research Centre (NBRC), National Environmental Engineering Research Institute (NEERI), National Chemical Laboratories (NCL), National Centre for Cell Science (NCCS), Rajiv Gandhi Centre for Biotechnology (RGCB), National Institute of Immunology (NII), Centre for Stem Cell Research (CSCR)
· Public Health Organizations, Government hospitals
· Environmental Pollution Control
· Public Health Laboratories

Educational Sector
· Biology teachers at High Schools
  Lecturer or Associate Professor of Biology and related subjects at Government and Private colleges

Research:
· Researchers, Scientists at Public and Private Research Agencies, Corporate organizations, Universities

Private Sector
· Pharmaceutical, Fertilizer and Cosmetics industries
· Agricultural and Food industries
· Industrial Laboratories,
· Parks, Zoos, Aquariums and Nature Centres
· Healthcare, Hospitals, Biomedical Research Institutes, Veterinary Science Departments
· Environmental Sciences and Conservation industries
· Agriculturists, Farm and Estate Managers
· Curators in Science and Archeology
· Museums
· Forensic Science
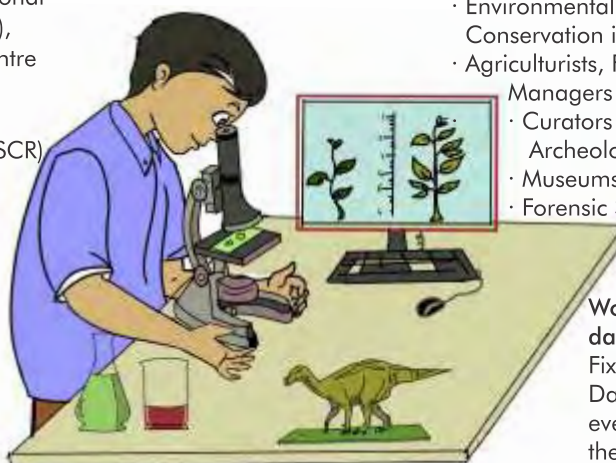
Work hours and day/night shifts:
Fixed hours with | Mostly Day shift with occasional evenings and nights in the research laboratory

Biomedical Engineering studies and applies Engineering principles to the field of Medicine. It combines Engineering with Biology, Life Sciences and Medicine to improve the quality of health care diagnosis and treatment.

Biomedical Engineers work at developing and manufacturing hospital equipment, diagnostic devices and artificial body organs such as kidneys and limbs. They develop improved MRI (Magnetic Resonance Imaging), Ultrasound and ECG machines, CT scanners, Lasers and X-ray machines and so on, essential for the diagnosis and treatment of diseases.

The field has many branches such as Bioinstrumentation, Biomaterials, Tissue Engineering, Biomechanics, Clinical Engineering, Orthopaedic Bioengineering, Medical Imaging and Rehabilitation Engineering.

Some of the tasks Biomedical Engineers perform include:
· Research, develop and market new diagnostic products
· Interact with Physicians, Medical technicians and Nurses
· Instruct how to operate and maintain Medical and Diagnostic Devices
· Research and Develop materials for the manufacture of Artificial Organs
· Understand human body parts and their functioning
· Use software tools to create digital images of the insides of the human body

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses
· B.Sc. in Biomedical Science
· B. M. E (Biomedical Engineering)
  B. E| B. Tech in (Electrical Engineering, Mechanical Engineering, Chemical Engineering etc.) with specialization in biology

Postgraduate courses
· M. Sc in Agriculture
· PG Diploma in Biomedical Engineering
· Ph. D. in related fields

Eligibility and Admission process to courses

· Class XII completed with Math & Science
· Selection in entrance tests of most top engineering colleges

Aptitude and Skills needed

··Interest in medicine and life sciences
· Aptitude for research
· Strong in mathematics and engineering concepts
· Precision and attention to detail
· Keen observation and Problem solving skills

INDUSTRY GROWTH AND CAREER PROSPECTS

The Healthcare Sector in India is growing rapidly as India also becomes a centre for Medical Tourism. As a result there is increased awareness about Biomedical Engineering as a field of study. However, opportunities in the field are very closely linked to Research and Development, a field where India still offers limited scope.
There is not much integration between University Research Departments and Hospitals in India, unlike in countries such as USA and the UK. This means that the field does not offer much possibility for Research and Development work in India.

Biomedical Engineering opportunities exist mostly in non-research and less technical areas such as sales, service and maintenance and customer support. These roles are also open to engineering graduates from different streams – not just Biomedical Engineering graduates.

Biomedical graduates in India often seek jobs outside this field as opportunities within the sector are few and competitive. Many look for teaching or research jobs in Universities and Research Centers or pursue MS and PhD studies in USA, UK and other nations.

JOB OPPORTUNITIES

Government Jobs
· Government Bodies and Health Departments
· Government Hospitals

Private Sector
· Private Hospitals and Diagnostic Centres
· Pharmaceutical industry
· Medical Equipment Manufacturers

Educational Sector
· Lecturers and Associate Professors of Biomedical Engineering related subjects at colleges and universities

Research

· Research and Development Bodies

Self employed

· Consultants to Hospitals, Pharmaceuticals and Medical Equipment Manufacturers

Work hours and day/night shifts:
Fixed I Day Shifts

Many organizations have a centralized back-end service centre called a Call Centre which handles all customer interaction across the country. With the establishment of Call Centres companies no longer have to meet their customers to provide them with information or solve any problem they face regarding the company's products or services.

All Customer Communication is now handled through the day or night by a Call Centre using telephones and computers (e-mail and chat). Call Centres that handle incoming calls from customers are Inbound Call Centres, while those that make calls to customers for marketing of products or reminders for payments overdue and so on are called Outbound Call Centres.

Call Centre Associates or Agents are the employees of a Call Centre who interact with customers. They are offered specialized training not only on the company's products, services, policies and processes but also on customer service, telephone etiquette and communication skills. Call Centre support is offered by a wide range of industries including Banks and Insurance Companies, Electronic Equipment and Consumer Goods Manufacturers, Hardware and Software Companies, Airlines, Hotels and other Service Sector industries.

These Call Centres may cover a wide range of functions including customer service, technical queries (help desk), sales and support, credit collections, transaction processing, bookings and reservations and so on.

Some of the tasks Call Centre Agents perform include:
· Greet customer pleasantly
· Record details of each call on the computer
· Ensure the identity of the caller is authentic particularly in financial transactions in Banking, Finance and Insurance
· Offer step-by-step technical support to customers to operate a software program or an electronic gadget
· Market a company's products or services to a database of customers

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
B. A| B. Sc.| B.Com | B. B. A. I Graduation in any subject

Eligibility and Admission process to courses

· Graduate in any discipline
· On-the-job Call Centre Training

Aptitude and Skills needed

· Knowledge of English and other regional languages
· Computer skills
· Data Entry skills
· Good Customer Service skills
· Excellent communication and listening skills
· Patience to deal with all kinds of customers including angry and irritated ones
· Team work

INDUSTRY GROWTH & CAREER PROSPECTS

India is one of the leading countries that has a thriving Call Centre industry. This is because of our strong English speaking skills combined with plentiful supply of Engineering graduates.

Many multinational companies have set up their Global Call Centre Operations in India because of this advantage that our country offers.

This trend is expected to continue in the coming years despite competition from neighbouring countries such as Philippines. The Call Centre industry in India will require many smart, fresh graduates who will then be trained by the companies that hire them.

JOB OPPORTUNITIES

Government Jobs

· Public Sector Units such as Railways, Telecommunication Companies, Insurance etc.

Private Sector

· Multinational Corporations
· IT companies
· Service sector such as airlines, telecommunications, mobile phone network, Internet service providers etc.

Educational Sector

· Trainers in Training Institutes Training Department of Private Sector Organizations that operate their own Call Centres

Work hours and day/night shifts:
Fixed with some overtime| Day and Night shifts

Choosing the right career is a very important decision for most people. A career counselor is a trained professional who helps people with their career choices.

Career Counselors work with school students to identify their areas of interest and guide them on which subjects to choose at Higher Secondary and College levels. They also assist fresh graduates with career and higher educational options. Young professionals exploring a change of profession also receive guidance from Counselors.

Career Counselors stay updated on the numerous educational streams available both in India and other countries. They are also well informed about all possible career options, salaries and employment figures associated with different jobs. While guiding clients, Counselors take into account their personality, emotional, social and cognitive aptitude, and interests to guide them towards a career.

Some of the tasks Career Counselors perform include:
· Have discussions with clients (students) to understand their aptitude and interests
· Research and read up on new educational streams and emerging jobs
· Stay updated on the job market and employment opportunities
· Administer questionnaires and aptitude tests to clients to understand their interests
· Work with Schools and Colleges to offer educational and career guidance

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Ed (Bachelor in Education)
· B. A |B. Sc. in any discipline
· Diploma and Certificate courses in Career Counseling and Vocational Guidance

Postgraduate courses
· M. Ed (Master of Education)
· PG Diploma in Career Counseling | Counseling| Vocational Guidance
· PG Diploma in Human Resource Management

Eligibility and Admission to post graduate courses

· Undergraduate Degree in any stream and preferably experience in teaching

Aptitude and Skills needed:

· Interest in the field of Higher Education
· Patience and willingness to listen to students' concerns
· Excellent Interpersonal and Communication skills
· Knowledge about various national and international curricula and courses, job trends etc.
· Familiarity with application processes to Universities in India and Abroad

INDUSTRY GROWTH AND CAREER PROSPECTS

In India there is a serious shortage of trained Career Counselors with only 500 counselors for about 1.5 million students. As many as 92% students in the country do not receive any career guidance from their schools.And there are innumerable new career options and many new educational streams emerging each day.
Trained Career Counselors will be in demand in future as our educational system and job landscape become more complex.
However, the practice of seeking professional career counseling help is still in its early stages in a country like India.
As a result, opportunities are limited now and the most qualified and experienced individuals have an advantage in moving ahead in the profession.

JOB OPPORTUNITIES

Government jobs

· Government Bodies such as NCERT (National Council of Educational Research and training), NSDC (National Skill Development Council)
· Ministry of Human Resources, Ministry of Education, Indian Department of Labour
· State-run Career Counseling Services National Career Service Portal

Private Sector

· Private Career Counseling Agencies
· Educational Coaching Centres

Educational sector
· Schools and Colleges
· University Departments instructors or Trainers with various Career Counseling centres

Self employed
· Independent Career Counselors who work with individuals
· Consultants to Schools and Colleges

Work hours and day/night shifts:
Fixed hours | Day shifts

Chartered accountancy is a professional training and certification offered by the Institute of Chartered Accountants of India (ICAI) to make you an expert in all aspects of a company's financial management.

Chartered Accountants or CAs are almost like the life-support system of any organization as its finances are in their hands. The Chief Financial Officer (CFO), Finance Managers, Financial Controllers and Financial Advisors at large organizations are usually CAs.

In recent years, CAs have gone beyond their routine responsibilities of accounting, auditing and financial reporting. They offer consultancy and advisory support and ensure the overall financial health of organizations.

Some of the functions that CAs perform include:
· Auditing and Assurance
· Tax Consultancy
· Supervising Mergers and Acquisition (M&A) deals
· Offering expertise on Service Tax, International Taxation etc.
· Information Systems Audit
· Fraud detection (insolvency, bankruptcy)
· Risk Management
· Overseeing property-related matters
· Taking charge of investment banking

EDUCATION & ELIGIBILITY

Educational Requirements

Chartered Accountancy Training

· Common Proficiency Test (CPT) to be taken directly after class XII
· Integrated Professional Competence Course(IPCC)
· CA Final
· Articleship- A mandatory 3-year internship/ company trainee experience required to complete the certification

Eligibility and Admission process to courses

· Class XII completed preferably with math and accounts
· Selection in CPT, IPCC and CA Final exam conducted by Institute of Charted Accountants of India

Aptitude and Skills needed

· Aptitude for mathematics and accountancy
· Cognitive and critical-thinking skills
· Decision-making ability
· Committed to follow rules and regulations
· Interpersonal skills to interact with clients
· Strong written and verbal communication
· Time Management

INDUSTRY GROWTH AND CAREER PROSPECTS

The job prospects for CAs have always been extremely high as most companies registered under the Indian Companies Act employ CAs for their finances.
As long as the economy is in growth mode and there is greater economic activity, the demand for CAs will increase manifold. Among professionals also, CA is a sought after degree as it offers high growth, generous pay and assurance employment. Even, in spite of several slow-downs in the level of global economic activity, the industry demand for CAs in India has been growing steadily.

One of the challenges of this stream is that the course is very rigorous and number of students who clear the CA exam each year is very few compared to the lakhs who attempt the exam. However, this has not been a deterrent for students attempting the exam every year.

JOB OPPORTUNITIES

Government jobs
· Head of Accounts, Director (Finance), Financial Controller and Chief Financial Officers in
· Public Limited Companies
· Government Organizations
· Public Sector banks

Private Sector
· Chief Financial Officers in Multinationals and Private Sector Companies
· Auditing Firms (such as KPMG, Price Waterhouse)
· Banks and Financial Companies
· Mutual Funds, Portfolio Management Companies, Investment Houses, Stock Broking Firms
· Legal firms, Legal houses, Patent Firms, Attorneys, Trade Mark & Copyright Registers

Educational sector
· Instructors at CA coaching centres
· Lecturers at Institute of Chartered Accountants of India (ICAI)

Self employed
· Set up one's own CA practise
· Consultancy in finance, taxation, funding and investment

Work hours and day/night shifts:
Fixed hours | Mostly Day job with the possibility of late evenings and nights during month-end and year-end reporting times

A Cinematographer is the person who films a Movie or a Television show.

Also referred to as the Director of Photography, he handles the camera at a movie set. While a movie is essentially the creation of its Director, the Cinematographer helps to capture the Director's vision on to the screen.

He gets detailed instructions from the Movie Director on how each scene has to appear. Based on this, the Cinematographer decides on what equipment he needs - specific cameras, lenses and filters.

He also plans each shot including lighting and angles based on the Director's instructions.

Some of the tasks that Cinematographers perform as part of their job include:

· Study the Director's 'shot list' in detail before starting the filming
· Travel with the crew of the film to locations
· Decide on the lighting and camera angles for each shot
· Store prepared footage for editing
· Supervise the work of assistant camera persons

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses

· B. A in Cinematography
· Diploma courses in Cinematography

Postgraduate courses

· PG Diploma in Cinematography

Eligibility and Admission process to courses

· Class XII completed or graduation

Aptitude and Skills needed

· Passion for Photography
· Sound knowledge about camera equipment, lighting techniques and so on
· Creativity
· Attention to detail
· Ability to accept directionsand give clear instructions
· Strong communication skills
· Interpersonal skills
· Team work
· Computer skills

INDUSTRY GROWTH AND CAREER PROSPECTS

The Indian Media and Entertainment industry is growing at 15 % annually and the Advertisement industry at 17 % annually. Cinematography offers a good career opportunity in future.

However, with many students enrolling for this course the sector is expected to get highly competitive in future. Experience and seniority are vital to get ahead of the competition.

JOB OPPORTUNITIES

Government jobs

· Government-owned News and Television Networks such as Doordarshan
· Information and Broadcasting Ministry Government Departments

Private Sector

· Films and Television Industry
· Advertising
· Web Series
· Short Film and Documentary Film Industry

Educational sector
·
· Instructors and Professors of Cinematography at Colleges and Institutes

Self employed

· Independent Cinematographers working on a freelance basis with Film Directors and Advertising Agencies

Work hours and day/night shifts:
Variable hours | Day and Night shifts depending upon the scenes being filmed

Have you ever felt the urge to build something or make your city a better place to live in? Civil Engineering offers you this opportunity.

Civil engineering deals with the planning, design and construction of buildings, and Public Works such as roads, railway stations, airports, tunnels, bridges and dams. Civil Engineers interact with clients before planning and designing projects according to their specifications. They ensure that projects conform to Government rules and regulations and fall within the expected budget. Site visits are a necessary part of their work to supervise construction and ensure quality standards are met.

Civil Engineers specialize in areas such as Construction, Transportation, Hydraulic and Irrigation Engineering, Geotechnical, Environmental Engineering and Public Works Engineering and so on.

Some of the tasks Civil Engineers perform on their job include:
· Interact with clients, architects and contractors
· Carry out project planning and prepare cost estimates
· Investigate the site for the project and conduct feasibility studies
· Get plans approved by relevant local authorities
· Undertake maintenance and repair of completed civil works

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. E.|B.Tech in Civil Engineering | Ceramics & Cement Technology| Geoinformatics | Transportation Engineering | Civil Infrastructure Engineering
· B. Sc. in Civil Engineering,
· DCE (Diploma in Civil Engineering)

Postgraduate courses

· M. E | M. Tech in Civil Engineering with specialization in related fields
· M. Sc in Civil Engineering
· Ph. D in Civil Engineering and related disciplines

Eligibility and Admission process to courses

· Class XII completed with Math & Science
· Selection in entrance tests of the best engineering colleges

Aptitude and Skills needed

· Strong in Mathematics and Sciences
· Sound knowledge of engineering and design software
· Team work
· Physical stamina
· Communication skills

INDUSTRY GROWTH AND CAREER PROSPECTS

The Indian economy is growing rapidly and this is reflected in high levels of activity in the construction industry. Besides residences and office complexes, many Government infrastructure projects are underway across the country.
The demand for trained and hard working Civil Engineering graduates will be high amidst the rapid expansion and urbanization going on in India.
However, considering the number of Civil Engineers passing out each year, competition for jobs will be tough.

JOB OPPORTUNITIES

Government jobs

· Government Departments like PWD (Public Works Department)
· Public Sector Units
· Power Plants
· Metro lines, Railways and Airports
· Government Housing Development Corporations
· Defense Services

Private Sector

· Private Infrastructure and Construction Companies
· Builders
· Consultants to Construction Companies

Educational sector

· Lecturers and Associate Professors of Civil Engineering and related subjects at colleges and universities

Self employed

· Set up as Independent builders and contractors

Work hours and day/night shifts:
Fixed hours in office and variable hours at sites| Day shifts

IAS (Indian Administrative Service), IPS (Indian Police Service), IFS (India Foreign Service, IRS (Indian Revenue service).

The Indian Civil Service is a politically neutral body which helps the Government of India in its Administrative Duties and Policy Implementation. It consists of many Branches, each covering an important aspect of Government functioning such as Law and Order (Indian Police Force), External Affairs (Indian Foreign Service), Railways (Indian Railway Traffic Service), Tax collection (Indian Revenue Service) and so on. Civil Servants are employees of the Indian Civil Service.

They are the people behind the running of the country and wield a lot of authority and responsibility.

Some of the tasks Civil Servants perform on their job include:
· Represent India in foreign countries
· Perform Developmental Work and implement Social Welfare Activities
· Supervise law and order situation
· Oversee efficient tax collection in all states
· Serve on the Board of various Public Sector Units
· Research areas of economic relevance and analyzing them as appropriate
· Producing reports with appropriate data and graphs on their departments
· Present reports to relevant Ministries

EDUCATION & ELIGIBILITY

Educational Requirements

· Graduate in any discipline

Eligibility and Admission process to courses

· Selection in all 3 stages of the UPSC (Union Public Service Commission) Exam which consists of:
  - CSAT (Civil Services Aptitude Test)
  - Main Exam
  - Interview

Aptitude and Skills needed

· Good leadership skills
· Excellent communication skills
· Strong Interpersonal skills
· Organizational abilities
· Ability to understand and apply complex information towards policy making
· Efficient management of resources
· Updated on political and economic events in the country

CAREER PROSPECTS

The Indian Civil Service is a vital arm of the Government of India. Being part of it, you are assured of a job with high responsibility, authority and power. It is the dream of many students to clear the UPSC exams and become a part of the prestigious Indian Civil Services. However, these exams are highly competitive and selection is extremely difficult.
More than 3.2 lakh students appeared for the exams in 2013 out of which only 1122 were shortlisted after a year-long selection process. After the interview, this number will further reduce. Hence entry into the Civil Services is extremely difficult.

Some people are also of the opinion that job satisfaction in the Civil Services may not be high as there is little independent decision making. Many Civil Servants are often disillusioned and disheartened by the corruption, political manipulation and malpractices that occur behind the scenes in these jobs.

JOB OPPORTUNITIES

Government jobs

· IAS(Indian Administrative Service)
· IFS (Indian Forest Service)
· IPS (Indian Police Service)
· IFS (Indian Foreign Service)
· IRS (Indian Revenue Service)
· IIS (Indian Information Service)
· Indian Post & Telecommunication Accounts and Finance Service
· Indian Railway Traffic Service
· Railways Protection Force
· Indian Defence Estate Service

· Defence Secretariat Service
· The Central Industrial Security Force
· The Indian Railway Personnel Service
· The Indian Audits & Accounts Service
· The Indian Railway Accounts Service
· The Indian Defence Accounts Service
· The Central Secretariat Service
· The Union Territories Police Service
· The Union Territories Administrative Service

Work hours and day/night shifts:
Fixed hours except in the case of emergencies | Day shifts

Sportsmen and women are revered in India particularly in games such as cricket and football. Being a Coach offers you the chance to shape the success of a sports personality or a team. A sports coach identifies raw talent in young and upcoming players, directs them on how to play the game, mentors them and guides them to become successful in their chosen sport.

With Indian sportsmen and women gaining success and popularity at various National and International sporting events, sports has gained greater prominence in India. Sports coaches are engaged by schools and colleges, national and international teams and clubs. Many Coaches start out as Assistant Coach and finally reach the position of Head Coach, Team Manager and so on.

Many experienced sports persons become Coaches after they retire from active sports. Some open their own academy for Sports Coaching, often with aid from Central or State Governments and Business Houses.

Some of the tasks Coaches undertake include:
· Travel with sports teams or players to sporting event venues
· Observe and analyse players to provide feedback for improving their abilities
· Time players on their speed in sports such as athletics or swimming
· Organize warm up sessions and practice sessions
· Assess injuries and offer quick treatment
· Provide encouragement and motivation to players

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· Diploma in Sports Coaching
· B. Phy. Ed. (Bachelor of Physical Education)
· B. Sc. in Physical Education, Health Education and Sports Sciences
· B. Sc. in Sports and Exercise Sciences

Postgraduate courses

· M. Phy. Ed. (Master of Physical Education)
· PG Diploma in Sports Coaching
· Ph. D.

Eligibility and Admission process to courses

· Class XII completed

Aptitude and Skills needed

· Passion for the game
· Team-building ability
· Enthusiasm
· Patience and Perseverance
· Motivational skills
· Excellent communication and interpersonal skills

INDUSTRY GROWTH AND CAREER PROSPECTS

India's noteworthy performance in many recently concluded International sporting events such as the Common Wealth Games 2012 and the Olympics 2016 has led to a sudden increase in the focus on sports in the country. There is an increased awareness about the need for sports to bring about all round development of students in schools and Universities.
Sports Clubs, Leisure Clubs, Schools, Colleges, Training Academies and National and International Sports teams will all require effective and goal-oriented coaches.

JOB OPPORTUNITIES

Government jobs

· Sports Teams of Public Sector Units such as ONGC (Oil and Natural Gas Commission), Indian Railways, BSNL, Nationalized Banks and Government-owned ventures

· Government colleges and schools such as Kendriya Vidyalayas

· National Sports Teams

· Government Sports Committees and Managing Bodies

Private Sector

· Private Clubs
· Schools and Colleges
· Training Academies & Sports Schools

Educational sector

· Lecturers and Associate Professors of Sports related courses at various colleges and Universities

Work hours and day/night shifts:
Long work hours depending on the season | Day and Night shifts

The Indian Coast Guard is an independent Armed Force of India, operating under the Ministry of Defense.

It is responsible for the protection of India's maritime interests and enforces maritime law, with jurisdiction over the territorial waters of India.

The Indian Coast Guard works in close cooperation with the Indian Navy, the Department of Fisheries, the Department of Revenue (Customs) and the Central and State Police Force to ensure the safety of India's coastlines and maritime interests.

Coast Guards conduct real-life operations at sea all year round. Protecting India's Artificial Islands and Offshore Terminals, helping fishermen in distress at sea, preserving our maritime environment and preventing marine pollution – are some of the responsibilities of Coast Guards.

They also help with such responsibilities as anti-smuggling operations, law enforcement in territorial as well as international waters, scientific data collection and National Defense during hostilities.

SELECTION PROCESS INTO THE INDIAN COAST GUARD

Officer in the Indian Coast Guard

For entry as an Officer in the Indian Coast Guard, the minimum qualification in most cases is an Undergraduate Degree in any discipline from a Government recognized University or an Undergraduate Degree with Mathematics and Physics up to class XII.

Sailor in the Indian Coast Guard

Entry as Sailor in the Indian Coast Guard is open to candidates who are between 18-22 years old and are either Matriculates with Diploma in Mechanical / Electrical / Electronics and Telecommunication (Radio / Power) / Aeronautical Engineering or students who have completed Class XII with Mathematics and Physics from a Government recognized board.

Besides the educational qualifications, selection into the Indian Coast Guard requires you to be physically fit. Selected candidates undergo 8 weeks of training designed exclusively for Coast Guards.

Aptitude and Skills needed

· Passionate about our country's security
· Ability to spend long periods at sea
· Adventurous and brave
· Alert with keen observation skills
· Good eye-sight
· Physically fit
· Leadership qualities
· Team work

Work hours and day/night shifts:
Variable hours| Day and Night shifts

A Company Secretary is a trained professional who ensures that an organization functions efficiently and complies with all statutory and corporate legislation.

He ensures co-ordination between the different departments of an organization, serving as a vital link between the Board of Directors, Employees, Shareholders, Governmental and Regulatory Bodies.

He offers advice to the Management on legal matters and also oversees function such as Finance, Accounts, Human Resources and Administrative Functions. Matters related to Central/ State Sales Tax, Excise Laws, Labour Laws and Corporate Law also fall under the responsibility of a Company Secretary.

Some of the tasks Company Secretaries perform include:
- Organise Board Meetings and Annual General Meetings (AGMs)
- Follow up on action from meetings
- Communicate decisions made to company stakeholders
- Advise members of the legal, governance, accounting and tax implications of proposed policies
- Update Management on changes in legislation
- Liaise with lawyers and auditors

EDUCATION & ELIGIBILITY

Educational Requirements

Company Secretary Course offered by ICSI (Institute of Company Secretaries of India) consists of the following:
· The Foundation Course - after class 12th
· The Intermediate Course - after the Foundation Course
· The Final Course - after clearing the Intermediate Course

Eligibility and Admission process to courses

Successful completion of all 3 levels of the CS course conducted by the ICSE (The Institute of Company Secretaries of India)

Aptitude and Skills needed

· Interest and awareness of Company Law and/or Governance
· Strong attention to detail
· Clear written and spoken communication
· Ability to take in and process large amounts of information
· Trustworthy and discreet
· Interpersonal and networking skills
· Ability to work under pressure

INDUSTRY GROWTH AND CAREER PROSPECTS

According to the Companies Act 1956, companies with a paid up capital of Rs 50 Lakhs or more and those seeking listing on the Stock Exchange are required to appoint a full-time qualified Company Secretaries. Small firms usually employ Company Secretaries on retainer basis for professional advice and support.

As they play a vital role in all organizations, opportunities for Company Secretaries are plenty in the corporate sector. With their specialized knowledge on Corporate Law, Management, Finance and Corporate Governance, these professionals can quickly move upto a Manager and Leadership roles in companies.

However, many students are not opting for this profession because of the difficulty in passing the CS examination.

JOB OPPORTUNITIES

Government jobs

· Government Public Sector Units
· Government Banks and Financial Institutions
· Company Law Board and other regulatory bodies

Private Sector

· Private Banks
· Multinational Companies
· Consulting Firms

NOTICE

AGM
ROC

Educational sector

· Lecturers in Company Secretary course offered by the ICSI
· Instructors at Coaching Centres offering CS coaching

Self employed

· Consultant to small companies and businesses

Work hours and day/night shifts:
Fixed hours | Day shifts

Copywriters are communication professionals who create the written or verbal content that accompanies the images of an advertisement.

Copywriters capture the important features of a product or service and highlight its advantages in relation to its competitors with powerful and persuasive text.

The writing has to be engaging enough for readers to want to try the product. As advertisements are targeted at a specific audience, Copywriters must familiarize themselves with the product, the target audience and competitor activity before they write.

The 'copy' can be of different forms - General text, Slogans, Headings or Captions, 'Jingles' and Audio Scripts for radio and television advertisements.

Some of the tasks Copywriters perform on their job include:
· Understand the client's requirements
· Brainstorm ideas and concepts with other members of the creative team
· Produce various copy options to present to the client
· Create story boards (a consecutive series of frames depicting the script and drawings that may be used)

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. A in Literature | Mass Communication| Journalism| Regional Languages
· B. Sc| B. Com| B. B. A in any stream

Postgraduate courses

· M. A in Literature I Journalism I Regional Languages
· PG Diploma in Journalism
· Post-graduate Diploma Course in Advertising and Public Relations

Eligibility and Admission process to courses

· Class XII completed in any stream

Aptitude and Skills needed

· Flair for the language – English and Regional languages
· Creative
· Excellent communication skills – written and verbal
· Team Work
· Ability to work under pressure

INDUSTRY GROWTH AND CAREER PROSPECTS

Advertising continues to be a vital marketing tool for companies. However, today there are newer methods such as digital marketing and social media which are critical for the survival and promotion of products and services.

As a result, Copywriter roles are no longer as limited as earlier.

They have now transformed into Digital Marketing and Social Media experts, Content Writers, Marketing Communication professionals and Search Engine experts. These roles are in great demand as a large part of the marketing function takes place online and requires copywriters with specific skills of writing for the internet.

JOB OPPORTUNITIES

Government jobs

· DAVP (Directorate of Advertising & Visual Publicity)
· Publicity Departments of various Government Bodies and Ministries

Private Sector
· Advertisement Agencies and Publicity Firms
· PR and Corporate Communication Firms
· Digital Media Firms for writing content for websites, brochures, flyers and posters
· Social Media professionals
· Advertising departments in private or public sector companies
· Commercial section of radio and television stations

Self employed

· Freelance copywriters working with Advertising Agencies

Work hours and day/night shifts:
Erratic hours depending upon deadlines and projects | Day shifts

Dairy farming is a branch of agriculture focused on long-term production of milk which is processed at a dairy for eventual sale and consumption by people.

The field covers both procurement and processing aspects of milk production.

Dairy Farming (production of milk) is one of India's most important agro-industries. It is also a principal contributor to India's export income as milk, butter and curd constitute a major chunk of our food exports.

Dairy Farmers' responsibilities involve a wide range of functions such as managing dairy farms, rearing cattle and other livestock, breeding of high-yielding cattle, procuring milkas well as processing, packaging and distribution of milk.

Some of the tasks Dairy Farmers do include:
· Attend to live farm or ranch animals such as Cows, Ox, Buffalo, Sheep or Goats
· Feed, water, herd, graze, castrate and brand cattle
· Maintain records on animals
· Examine animals to detect diseases and injuries
· Assist in birth deliveries
· Administer medications, vaccinations, or insecticides as appropriate.
· Clean and maintain animal housing areas

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. V. Sc. (Bachelor of Veterinary Science and Animal Husbandry)
· B. Sc. in Dairy Science
· B. E| B. Tech in Dairy Technology | Dairy Science And Technology

Postgraduate courses

· M. Sc. in Dairy Science
· P. G. Diploma in Dairy Technology

Eligibility and Admission process to courses

· Class XII completed with Science
· Selection in entrance test of leading Science and Engineering colleges

Aptitude and Skills needed

· Interest in Animal Welfare and Dairy Farming
· Physical endurance to outdoors work
· Patience and hard physical work
· Ability to work with animals
· Willingness to live and work in rural areas
· Ability to work both in teams and alone

INDUSTRY GROWTH AND CAREER PROSPECTS

The Operation Flood (OF) programme implemented by the NDDB(National Dairy Development Board) from 1970 to 1996 played a key role in transforming the Dairy sector in the country.

Today, India is one of the largest milk producing nations in the world, contributing 18.5 % of the world's milk supply.

Most of the Indian Dairy Sector is organized into more than 700 Dairy Cooperatives. The sector is set to grow even more in the coming years with many local and international companies entering the organized segment, generating many job opportunities.

JOB OPPORTUNITIES

Government jobs

· NDDB (National Dairy Development Board)
· State-level Dairy Cooperatives such as Aavin, Mother Dairy, Nandini etc.
· Government Agricultural Banks

Private sector

· Private Companies in the Dairy products segment
· Private Dairy farms
· Private Rural Banks
· Processed Food industry

Educational sector

· Lecturers and Associate Professors in various Agricultural and Veterinary Colleges and Universities in India

Self employed

· Independent consultants to Private Dairy-based Businesses, Dairy Cooperatives
· Independent Dairy Farming Business

Work hours and day/night shifts:
Fixed hours| Day shifts

Dairy Technology is a field that is focused on improving the production, processing, storage and distribution of Dairy Products in India. Dairy Farming (production of milk) is one of India's important agro-industries. Dairy products such as milk, butter, curd, ghee and so on constitute a major chunk of India's food exports.

The Production side of Dairy Farming involves functions such as breeding of high-yielding cattle, rearing or taking care of the cattle and procuring milk from them. The Processing side of the sector involves the processing of milk for longer shelf-life, conversion into milk products, packaging, collection and distribution to end-users.

Dairy Scientists are focused on the production aspects of the industry. They experiment and develop different kinds of breeding methods, feeds and other factors to improve the quality of the cattle, its management and the yield of milk. Dairy Technologists, on the other hand, are more involved in the processing and distribution of Dairy produce.

Some of the tasks that Diary Scientists and Technologists perform on their job include:
· Oversee milk procurement from farmers
· Set up effective transportation of the procured milk
· Research improved methods for milk processing & packaging
· Supervise Quality Control
· Develop newer machinery and equipment for use by the Diary industry
· Convert milk to ghee, butter, cream, paneer and so on

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. V. Sc. (Bachelor of Veterinary Science and Animal Husbandry)
· B. Sc. in Dairy Science
· B. E| B. Tech in Dairy Technology | Dairy Science And Technology

Postgraduate courses

· M. Sc. in Dairy Science
· P. G. Diploma in Dairy Technology
· M. Tech in Diary Technology

Eligibility and Admission process to courses

· Class XII completed with Science
· Selection in entrance tests of leading Science and Engineering colleges

Aptitude and Skills needed

· Interest in Animal Welfare and Dairy Farming
· Research skills
· Scientific temperament
· Keen observation
· Willingness to live and work in rural areas
· Team work

INDUSTRY GROWTH AND CAREER PROSPECTS

India is the largest milk producing nation in the world, contributing 18.5 % of the world's milk supply. The Operation Flood (OF) programme implemented by the NDDB(National Dairy Development Board) from 1970 to 1996 played a key role in this achievement. Most of the Indian Dairy Sector is today organized into Dairy Cooperatives leading to greater efficiency in milk production and owners of cattle getting a much better price for their produce.

There are more than 700 Dairy Cooperatives in India. The sector is set to grow even more in the coming years with many local and international companies entering the organized segment, generating many job opportunities.

JOB OPPORTUNITIES

Government jobs

· NDDB (National Dairy Development Board)
· State-level Dairy Cooperatives such as Aavin, Mother Dairy, Nandini etc.
· Government Agricultural Banks

Private sector

· Private Companies in the Dairy products segment
· Dairy Equipment Manufacturing companies
· Private Dairy farms
· Private Rural Banks
· Processed Food industry

Research
· Research Scientists in Universities and Private or Government Research Bodies

Educational sector

· Lecturers and Associate Professors in various Agricultural Colleges and other Universities

Self employed

· Independent Dairy consultants to Private Dairy-based Businesses, Dairy Cooperatives, Agriculturists and Equipment Manufacturers

Work hours and day/night shifts:
Fixed hours| Day shifts

Dentistry is a branch of medicine that deals with the health of our mouth, teeth, gums and the hard and soft tissues of the oral cavity. Besides Dental Care and Correction, Cosmetology also falls under the scope of Dentistry.
Dentists provide diagnostic, medical and surgical treatment for a variety of oral and dental disorders and problems including Teeth Infections, Cavities, Teeth Loss, Gum Diseases and so on.

The treatment of these conditions usually involve non-surgical procedures such as filling, crowning and scaling of teeth, root-canal treatment, extraction of teeth and treating of gum diseases. More serious problems require dental surgery which is usually carried out by a Dental Surgeon. Under Cosmetology, Dentists help to improve the appearance of a patients' face and features through a series of cosmetic dental procedures.
The specialists in this profession are Orthodontists, Periodontists, Oral and Maxillofacial Surgeons, Pedodontists, Prosthodontists and Endodontists.

Some of the tasks Dentists do include:
· Correct irregularities in the teeth with braces
· Carry out oral implants and fix crowns
· Perform teeth extractions and filling of cavities
· Correct facial deformities related to the jaws and teeth
· Treat abnormal growth in the mouth and jaws such as tumors
· Make artificial dentures according to client specifications
· Treat nerve inflammations and perform root canal treatment
· Educate patients on oral healthcare
· Maintaining patients' dental records

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. D. S (Bachelor of Dental Science)

A BDS degree alone is not considered enough to succeed in this profession, so it is best to go for a postgraduate degree

Postgraduate courses

· M. D. S (Master of Dental Science) with specialization in Orthodontics, Periodontics, Oral and Maxillofacial Surgery and so on

Eligibility and Admission process to courses

· Class XII completed with Biology
· Selection in the Medical Entrance test for entry into the B.D.S course

Aptitude and Skills needed

· Ability to work with a team
· Keen and quick observation
· Precision and hand-eye co-ordination
· Mental alertness
· Attention to detail
· Physical endurance for long hours of work
· Communication skills

INDUSTRY GROWTH AND CAREER PROSPECTS

There is increased awareness about Oral Health in India and Dentistry is now included as a Department in most Hospitals. There are also many independent Dental clinics that specialize in offering Dental treatment to patients.
However, competition is very high in the field and job opportunities especially for fresh graduates is challenging. It is always advisable to pursue MDS or higher specializations to carve out a place in this profession.
Experience, hard work and dedication can go a long way in helping you succeed in this line.

JOB OPPORTUNITIES

Government jobs

· Government Hospitals
· CGHS (Central Government Health Service)
· Central and State Health Departments
· Defense Hospitals

Private Sector

· Private Hospitals and Clinics

Self employed

· Private practice at your own Dental Clinic

Educational sector

· Lecturers or Associate Professors of Dentistry and related subjects at Dental Colleges in India

Work hours and day/night shifts:
Fixed hours but may have longer hours during peak periods| Day shifts

Dieticians are trained professionals who prescribe suitable diets to clients based on their age, physical activities and health conditions. Nutritionists are more focused on the promotion of good health among people through healthy eating habits. Both terms are often used interchangeably and there are many functions that are common to both jobs.

Dieticians and Nutritionists are trained on the nutritive value of various food groups, the components contained in the food we eat and the right mix of essential nutrients and calories that each person needs according to his/her age, health and lifestyle. They fix diets for athletes at sports schools and training camps and also at hospitals, school canteens and old age homes. While doing so,special attention has to be given to the dietary needs of patients with specific health conditions and sports persons who require extra energy.

Nutritionists also conduct intensive research on the minerals and vitamins required by the body and the harmful or beneficial effects of specific food on our bodies.
There are many branches to the field such as Clinical, Community, Research and Management Dieticians as well as Consultant Dieticians. Also, Dieticians can specialize in specific areas such as obesity, pediatrics, geriatrics, diabetes, sports nutrition and so on.

Some of the tasks Dieticians and Nutritionists perform at work include:
· Supervise meal preparations in schools and hospitals
· Analyze current eating habits to understand whether recommended daily nutrients are
· included in the clients food
· Develop meal plans, taking the clients' preferences and requirements into account
· Educate patients on eating habits that promote good health
· Find healthy alternative foods that can be incorporated into daily diet programmes

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Home Science | Dietetics and Nutrition |Food Science and Technology| Catering Technology| Hotel Management
· Diploma and Certificate courses in Nutrition and Dietetics

Postgraduate courses
· M. Sc. in Home Science | Dietetics and Nutrition |
· PG Diploma in Nutrition and Dietetics and related fields

Eligibility and Admission process to courses
· Class XII completed with Science

Aptitude and Skills needed
· Keen interest in food, nutrition science, healthy eating habits
· Ability to interpret scientific studies on nutrition into practical eating advice
· Caring and empathetic towards clients
· Listening skills
· Organizational skills
· Problem-solving skills
· Team work
· Excellent Communication skills

INDUSTRY GROWTH & CAREER PROSPECTS

The high stress, busy life of people in cities has given rise to many lifestyle diseases. In recent times, there is growing awareness of how proper diet can help prevent many of these diseases. There is also higher focus on fitness and weight loss among people today. Many people consult dieticians to get guidance on a well-balanced diet.
Most schools, gyms, health and sports clubs and large hospitals today have in-house Dieticians and Nutritionists. The demand for these professionals will go up in future as healthy, well-balanced eating habits becomes a regular feature in many more people's lives.

JOB OPPORTUNITIES

Government jobs
· Government Health Department
· Government Schools that run mid-day meal schemes
· Government Hospitals and Healthcare Centres
· Defence Services and Canteens
· Institutional Caterers in Government Companies and Departments

Private Sector
· Hospitals
· Sports and Leisure Clubs
· Fitness Centres and Gyms
· Canteens
· Institutional Caterers
· Clinics and Nursing Care facilities

Research
· Scientists and Researchers at Research Departments of Private Food Companies, Government or Autonomous Research Bodies

Educational sector
· Lecturers or Associate Professors of Nutrition and Dietetics at leading Institutes and Colleges in India

Work hours and day/night shifts:
Fixed hours | Day shifts

Being a doctor in India, or any other country, is hard work. It means examining, diagnosing and treating people with a variety of illnesses in hospitals and clinics – often attending to medical emergencies at any time of the night or day.

However, all the effort is rewarded by the hope and joy doctors bring to patients and their loved ones – by helping them recover and resume normal life.

A variety of illnesses can be diagnosed and treated by Physicians. Some diseases, however, may require operating on the human body. These require the attention of Surgeons. General Physicians take care of the overall well-being of a patient while Specialists focus on each part of the anatomy. Urologists, Nephrologists, Pulmonologists and Cardiologists are examples of specialists focused on different body parts.

Some of the tasks Doctors do on their job:
· Examine patients and diagnose illnesses
· Prescribe investigative tests
· Prescribe medications
· Perform surgeries
· Educate patients and their family members on the patient's medical condition
· Check patients' records
· Supervise their recovery and rehabilitation over years

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· MBBS (Bachelor of Medicine and Bachelor of Surgery)

Postgraduate courses
For a more promising career in medicine, it is best to take up
· M.S (Master of Science)
· M.D (Doctor of Medicine)
· Fellow of the Royal College of Physicians (FRCP)

Eligibility and Selection into the course

· Class XII completed with science, including Biology
· Selection in the state-wise, institute-wise and national level entrance tests to leading medical colleges e.g. NEET, AIIMS, AFMC and so on.

Aptitude and Skills needed

· Desire to help others
· Eye for detail
· Ability to take quick decisions
· Patience and empathy to interact with patients
· Mental strength
· Physical stamina
· Team work
· Keen Interest on the latest medical research and trends

INDUSTRY GROWTH AND CAREER PROSPECTS

With overburdened hospitals and a lack of proper medical facilities, India faces a shortage of qualified and sincere doctors.

As the healthcare industry is booming and medical tourism becomes a new growth area, India is in need of doctors to support the country's needs.

While the career is demanding and rigorous, it is also high paying and offers tremendous potential for growth and prosperity for deserving candidates.

JOB OPPORTUNITIES

Government jobs

· Government hospitals and clinics
· Central Government Health Service (CGHS)
· Armed Forces, Railways, Police force and Navy Hospitals

Private sector

· Private hospitals and clinics
· Multispecialty hospitals
· Nursing homes

Self employed

· Start your own medical practice
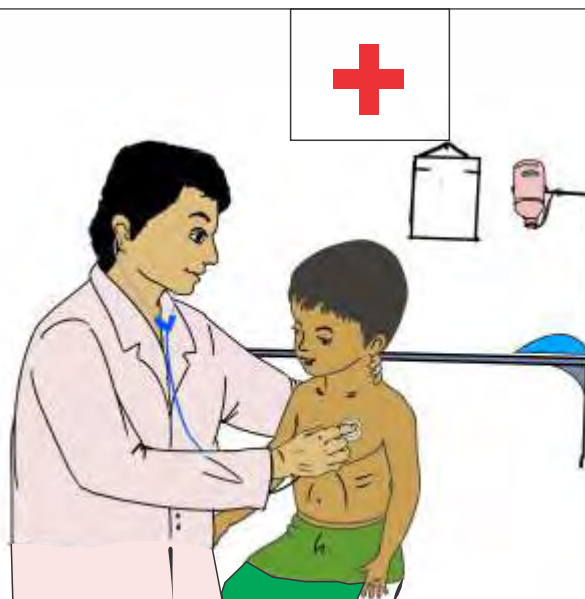
Research

· Government and Private Medical Research Laboratories

Educational sector

· Lecturers and Professors at Medical Colleges

Work hours and day/night shifts:
Variable work hours, Night shifts

Electrical Engineering is concerned with the creation, distribution and use of electricity and its application in areas such as telecommunication, computers and instrumentation. Electrical Engineers research, design, develop and test electrical systems as well as high-end electronic equipments and devices.

Electrical Engineering is associated with large-scale electrical systems such as power generation and transmission and motor control. Electronics Engineering is concerned with the study of minute electronic systems such as computers, instrumentation and integrated circuits.

Some of the tasks Electrical and Electronics Engineers perform on their job include:
· Read design specifications and technical drawings
· Communicate with clients, architects, contractors on electrical wiring
· Carry out project planning and prepare budgets;
· Make models and prototypes of circuits and electronics products using software
· Design and conduct quality tests to ensure that products and systems are safe and functioning as per requirements
· Prepare product documentation and reports
· Ensure that electronics products work with other devices

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. E. | B. Tech in Electrical & Electronics Engineering
· B. Sc. in Applied Sciences
· B. Tech. in Electronics & Instrumentation

Postgraduate courses
· M. Tech in Fibre Optics and Light wave Engineering
· M. Tech in Digital Systems & Comp. Electronics
· M.E/M.Tech in Electrical Engineering
· Ph. D. in Electrical Engineering
· M. B. A for Managerial Roles

Eligibility and Admission process to courses

· Class XII completed with Math & Science
· Selection in the entrance test to B. E or B. Tech at top colleges and Universities

Aptitude and Skills needed

· Aptitude for practical and technical work
· Excellent problem-solving skills
· Attention to detail
· Communication skills
· Team Work

INDUSTRY GROWTH AND CAREER PROSPECTS

About 65% of India's current demand for electronic products is met by imports. There is a huge opportunity for Indian companies to manufacture electronics goods within the country to meet the growing local demand.
The Government of India has announced plans to develop this sector so that it touches $ 100 billion by 2022, to become a key player in the global export market.
Besides this, power and electricity generation are also focus areas of the Government of India.
Electrification of thousands of Indian villages is one of the targets that the Government is hoping to meet in 2016. The demand for Electrical and Electronics engineers will grow manifold with these developments.

JOB OPPORTUNITIES

Government jobs

· Government owned Power Plants and Turbines
· Atomic power plants, hydro-electric and thermal power plants
· State electricity boards
· Public sector industries like petroleum, steel and chemical industry and Indian Railways
· Defense Services

Private sector

· Electrical design and consultancy firms
· IT industry and computer-technology corporations
· Telephone and telecommunications companies
· Aircraft and automobile industries

Self employed

· Independent Electrical Design consultants

Research

· Research and Development in private and multinational electronics giants
· Scientists and Research Heads at various government bodies

Educational sector

· Lecturers and Associate Professors of Electrical Engineering at various professional colleges
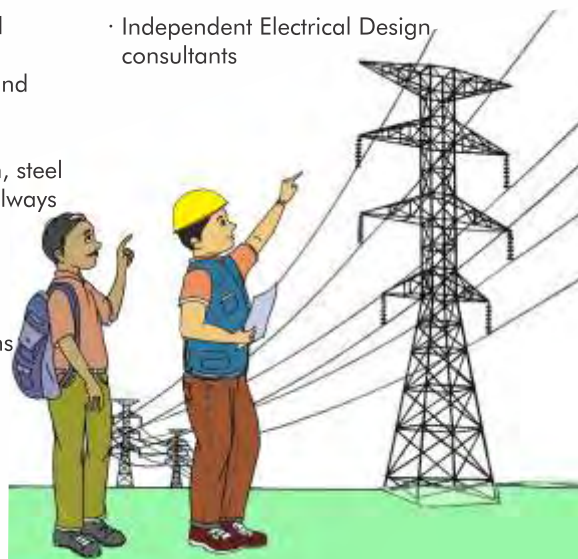
Work hours and day/night shifts:
Variable hours| Day and night shifts in case of field work

Entrepreneurship is the process of starting a business or a 'start-up' company that offers a product, process or service to consumers.

It involves a continuous search for new business ideas, a willingness to take high risks for high rewards.

An Entrepreneur is a person who identifies a business idea, organizes assets and people to execute the idea into a product or service and generates revenue from the venture.

Some of the tasks Entrepreneurs do include:
· Identify Business opportunities
· Prepare a Business Plan
· Raise funds through venture capital funding
· Network extensively to find investors and prospective share-holders or partners
· Build the Brand Identity of the business venture
· Market and promote the company's products and services

Eligibility and Entry into Entrepreneurship

· No particular criteria for becoming an Entrepreneur

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses
· B. A| B. Sc in any discipline
· B. Tech in any discipline
· Diploma courses in Entrepreneurship

Postgraduate courses
· M. A| M. Sc in any discipline
· M. Tech.
· M. B. A in Entrepreneurship

While no there is no particular educational requirement for becoming an entrepreneur, educational background always helps becoming an expert in your domain.

Aptitude and Skills needed

· Ability to spot business opportunities
· Problem-solving attitude
· Self-confidence
· Risk-taking ability
· Perseverance and Patience
· People Management and Leadership skills
· Ability to thrive in stressful situations

INDUSTRY GROWTH AND CAREER PROSPECTS

The current economic climate in India is very conducive to start-ups and entrepreneurship ventures. The rise of technology including mobile phones and the internet are one of the reasons for this.

Additionally, many Government initiatives are also encouraging an environment of entrepreneurship in the country.

These include the setting up of a Ministry of Skill Development and Entrepreneurship by the Government as well as a large number of incubators and business accelerators offered by universities and the private sector to mentor, coach and train entrepreneurs.

Many youngsters are opting for Entrepreneurship because of the high competition in the job market as well as the promise of higher returns, job satisfaction, better growth and more fame in entrepreneurship.

JOB OPPORTUNITIES

Self employed

· You can set up your own business in any field or area of your choice based on your expertise and interests

Educational sector

· Instructors of Entrepreneurship courses and workshops at various colleges and Universities

Work hours and day/night shifts:
Long work hours as the company goes through its initial phase of growth | Day shifts

Large scale development and urbanization have caused much damage to our environment. Environmentalists are people who work in various capacities and roles towards the conservation of the environment.

There are many different careers that can fall under the broad category of Environmentalists. Some of these include Environment Scientists, Environmental Lawyers, Environmental Engineers, Environmental Biologists, Environmental Modellers, Eco-Tourism Professionals, Environment Educationists and Journalists and Environment-related technologists.

Environmental Scientists play a very important role in this field. They conduct research to identify, control or eliminate sources of pollutants, hazards affecting the environment and elements that have a harmful effect on public health. Their research generally involves collecting and analyzing air, water, and soil samples to find solutions to various problems faced by society. Some focus on environmental issues, some on human health.

Some of the tasks Environmentalists do include:
· Make policy recommendations that benefit the environment
· Conduct experiments in a lab on air, water, soil samples
· Clean and rejuvenate contaminated water bodies in a city
· Investigate cause of epidemics, unexplained illness in villages
· Work with industry to reduce their waste and pollution
· Educate households on methods of segregating waste in a
  way that is bio-degradable

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. Sc. in Environmental Science | Zoology |Botany
  Physics| Chemistry| Biology| Agriculture Science | Forestry
· B. E. M (Bachelor of Environment Management)

Postgraduate courses

· M. Sc in Environmental Science|Forestry
· PG Diploma Courses in Environmental Science and
· Environmental Management
· P.G.D.E.L (Postgraduate Diploma in Environmental Law)
· Ph. D. in Environmental Science or related subjects

Eligibility and Admission process to courses

· Class XII completed with Science

Aptitude and Skills needed

· Passionate about Environmental Conservation
· Excellent computer skills
· Excellent Written and Oral Communication skills
· Strong Interpersonal skills
· Critical-thinking abilities
· Strong analyzing abilities
· Team work

INDUSTRY GROWTH AND CAREER PROSPECTS

Though the Government of India has very clear Development Goals, it is also actively pursuing a policy of Environmental Conservation. Efforts are on in various parts of the country to clean up our rivers, revive the water bodies in cities and to control gas emissions from vehicles in cities. Garbage segregation and ban on plastics are some other steps that various State Governments are implementing. Despite being a growing field all over the world, growth of the sector in India has been relatively slower.
Opportunities in Research are still limited. As the Government puts in place many policy initiatives to battle Climate Change, more opportunities and jobs are likely to come up in this sector.

JOB OPPORTUNITIES

Government Jobs
· Development Projects by the
  Government such as Dams, Metro Rail
  Projects, Railways, Mines etc.
· Government Departments
· Ministry of Environment

Private Sector
· Food Processing industries
· Fertilizer plants
· Waste Treatment industries
· Mines and Refineries
· Distilleries
· Textile mills and Factories

Social Sector
· NGOs operating in the field of
  Environmental Conservation

Educational Sector
· Associate Professors of Environmental
  Science at Colleges and Universities

Research
· Researchers and Scientists at Food
  technology Laboratories, Private Food
  Manufacturing companies and
  Government Research Bodies

Self employed
· Independent Consultants providing
  recommendations and advise to
  Corporate houses and Industrial units

Work hours and
day/night shifts:
Fixed | Day shifts

Agriculture is the growing of food crops, plants and vegetables by cultivating land. In recent years, traditional farming has given way to modern, high-tech methods which are advanced and mechanized.

Only a small segment of farmers are actively involved in cultivation or farming on a daily basis. Most others work as either food/agricultural scientists or in the business side of agriculture such as marketing and merchandising.

There are many branches associated with Agriculture such as Agricultural Science, Agricultural Engineering, Agri-Business, Agro-economics and so on. Agricultural Science has some key disciplines under it such as Food Science, Plant Science, Horticulture, Poultry Farming, Soil Science, Animal Science and Dairying.

Some of the tasks Agriculturists perform on their job include:
· Conduct research to increase yield of seeds and soil
· Develop cultivation methods that conserve the soil and the environment
· Manage large estates, coffee plantations and tea gardens
· Research ways to improve the genetic make-up of plants and animals
· Develop improved ways of preserving, processing, storing and packaging food products

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B.Sc. in Agriculture specializing in areas such as Animal Science| Plant Protection| Soil Science | Agricultural Engineering | Crop Physiology

Postgraduate courses

· M. Sc in Agriculture
· Ph. D. in related fields

Eligibility and Admission process to courses

· Class XII completed with science
· Selection in entrance tests of most top colleges

Aptitude and Skills needed

· Familiar with crops, pastures, soil types etc.
· Aptitude for research
· Team work
· Physical stamina
· Patience and perseverance
· Communication skills

INDUSTRY GROWTH AND CAREER PROSPECTS

India is an agricultural economy and agriculture contributes 29.4% to the GDP of the country, offering employment to over 60% of the population. With the large scale commercialization of the field, the scope of agriculture has grown hugely in recent times.

Biotech and Genetic Engineering advances, a thriving global market for exports from India and favourable Government policies have all boosted agricultural activity in the country.

With Government measures to make India an export hub, many large business houses have entered agri-businesses. The demand for qualified Agriculture graduates will continue to grow as Agriculture and related areas become big business in the coming years.

JOB OPPORTUNITIES

Government Jobs
· Ministry of Agriculture
· Government Bodies such as IFFCO (Indian Farmers Fertiliser Cooperative Limited), ICAR (Indian Council of Agricultural Research) & so on
· Public Sector Banks such as NABARD (National Bank For Agriculture and Rural Development)
· State Departments of Agriculture and Animal Husbandry
· Indian Forest Service

Educational Sector
· Lecturers and Associate Professors of Agriculture related subjects at colleges and universities

Research
· Government and Private Research Bodies

Private Sector
· Field Officers, Rural Development Officers, Junior Agricultural Associates etc. at Private banks
· Agriculture equipment manufacturers
· Fertilizers and Pesticide manufacturers
· Agro products and food-based businesses

Self employed
· Set up independent cultivation, agriculture product outlets, organic farming ventures and agri-base industries

Work hours and day/night shifts:
Fixed with some overtime| Day shifts

Forests are a vital natural resource and contribute to the ecology and economy of a country in many ways. Adequate forest cover is vital to avoid serious issues such as global warming, climate change, water scarcity and natural disasters such as floods and droughts.

Forests are also the principle source of wood and wood-based fuels. Additionally, numerous non-wood industries such as latex, gums, resins, essential oils, fragrance and aroma chemicals and medicinal plants are dependent on the forest wealth of our country.
Forestry is the science of protecting, conserving and upgrading our existing forest resources as well as developing new forest cover through tree farming. Forestry professionals are trained in managing forest and forest resources and protecting wildlife.

Some of the tasks Forestry professionals perform include:
· Prevent cutting down of forest trees
· Prevent poaching of endangered wildlife
· Check and fight wild fires
· Record the history, life span, size, grade of varieties of trees
· Design healthy habitats for animals in zoos, aquariums, labs
· Study and control of diseases caused by insects and pests
· Research methods of forest and wildlife conservation

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.Sc. in Forestry | Wildlife Science
· Diploma and Certificate programs in Forestry

Postgraduate courses
· M. Sc in Forestry with specialization in areas such as Forest Management| Commercial Forestry| Forest Economics| Wood Science & Technology| Wildlife Science| Veterinary Science
· PG Diploma in Forest Management and Conservation of Natural Resources
· Ph. D. in related fields

Eligibility and Admission process to courses

· Class XII completed with Science

Aptitude and Skills needed

· Love for outdoors and wildlife
· Passionate about the environment and conservation
· Aptitude for research
· Physical stamina and endurance for life in rough terrain
· Patience and perseverance
· Ability to live and work for long periods in remote locations
· Communication skills

INDUSTRY GROWTH & CAREER PROSPECTS

With environmental issues becoming a key and central concern, forestry as a career option is gaining importance in the country.
The Government has started many forestry courses in Universities across the country.
Besides Government jobs, NGOs and Research organizations are a principle source of employment for these professionals.
However, competition is stiff for limited openings and many posts in the Government Forest Departments go to graduates from other streams or are filled through internal promotions.

JOB OPPORTUNITIES

Government jobs
· IFS (Indian Forest Service)
· Positions in State and Central Government Forest Departments

Private sector
· Wildlife historian/consultant to organisations like the WWF (World Wildlife Fund) India, CEEE (Centre for Environment Education), TERI (Tata Energy Research Institute) etc
· Wildlife journalists and photographers
· Tourism officials
· Managers at Nature Resorts and Wildlife Reserves
· Rangers in forests, reserves, wildlife parks, zoos
· Managerial roles in Private Forestry based companies
· Wildlife consultants to do environment impact assessments prior to projects
· NGOs
· Film/documentary making for Television Channels
· Wildlife Lawyer protecting against poaching, smuggling of animal products, torture and cruelty to animals

Educational sector
· Lecturers and Associate Professors of Forestry and related subjects at colleges and universities

Research
· Government Research bodies such as:
· ICFRE (Indian Council of Forestry Research and Education), Institute of Social Forestry and Eco-rehabilitation
· Wildlife Research Institutes

Work hours and day/night shifts:
Fixed with some overtime| Day shifts

Fashion Designers are professionals who design and manufacture garments in keeping with the latest trends and fashions in the world.

They employ master cutters and tailors to cut, shape and sew the designs that they conceive on paper or on computer software. Many designers look for inspiration for new clothing lines in our ancient history or the culture and traditions of different countries. Some also research various textiles and fabrics to arrive at the one most suited for each type of garment they are designing.

Today Fashion design is not just about the design and creation of garments. There are many stages before and after the design of garments that come under the scope of Fashion Design. These include Market Research, Fabric Weaving, Dyeing and Printing, Fashion Accessory Design, Fashion Merchandising, Textile Science, Marketing and so on.

Some of the tasks Fashion Designers do on the job include:
· Sketch original designs on paper
· Cut, shape and stitch fabric based on designs and fit sample pieces on a model
· Specialize in producing a specific type of garment such as children's wear, knitwear, sportswear etc
· Manage firms and fashion houses which produce exclusively designed garments collections
· Design costumes for celebrities and well-known persons

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B.A. in Fashion Design
· B.Sc. in Fashion Design
· Diploma in Fashion Design
· Advanced Diploma in Fashion Design
· Short term certificate or vocational training courses in Fashion Design

Eligibility and Admission process to courses

· Class XII completed in any discipline
· Selection in the Entrance Test, Studio Test and Personal Interview conducted by leading Fashion Design Colleges and Institutes in India

Aptitude and Skills needed

· Interest in Garments, Apparel and Fashion
· A Good Aesthetic Sense
· Good eye for Colours, Textures and Drapes of Fabric
· Drawing Skills
· Ability to use appropriate Computer Design Packages
· Technical skills such as Pattern Cutting and Sewing
· Excellent eye-hand coordination
· Creativity

INDUSTRY GROWTH AND CAREER PROSPECTS

Until recently, much of India's garments and apparel industry was unorganized. Today, with a huge population of young and working professionals and a rich tradition of textiles and handlooms in the country, the demand for talented and hardworking Fashion Designers is immense.
They can find opportunities in the numerous Retail Apparel chains and Garment Export Houses in India. They can also start their own independent line of clothing as the demand for designer wear is growing in India.

JOB OPPORTUNITIES

Government jobs
· Government initiatives such as Textile Museums, State Emporiums and Craft Fairs
· Government Bodies such as FDCI (Fashion Design Council of India) & Craft Council of India
· Textile Ministry, Government Handloom and Handicraft Departments

Private Sector
· Garment Manufacturers and Retail Chains
· Garment Export Houses
· Design Firms
· Export houses
· Fashion Show Organizers/Fashion Publishers

Educational sector
· Associate Professors in the numerous Fashion Design Colleges and Institutes in the country

Self employed
· Independent Fashion Designers who retail their own labels and manage their own line of clothes

Work hours and day/night shifts:
Variable hours particularly during fashion shows and launch of a new line | Day and Night shifts

The health of a company can be assessed by analyzing its books of accounts over a period of time. Financial Analysts are professionally trained in analyzing the finances of companies based on their past and current financial data.

Their analysis enables Financial Analysts to also make future projections and forecasts about a company's earning potential and growth. Experienced Financial Analysts can analyze and make projections about industry segments and the economy of a country as well.

Financial Analysts work for a wide variety of companies including Banks, Mutual Funds, Pension Funds, Insurance Companies or Brokerage Firms. They also work independently with corporate or individual clients, giving them recommendations on where to invest their money for best results and when to sell these investments.

They play a vital role in valuation of companies, assessment of financial health of companies and making predictions about various industry segments. Financial Analysts are also referred to as Securities Analyst, Research Analyst, Equity Analyst or Investment Analyst, depending on the exact nature of their job.

Some of the tasks Financial Analysts perform at work include:
· Analyze current and past financial data and performance of a company
· Prepare reports based on analysis of financial data
· Forecast future revenues and expenditures
· Interact with Management for a company's investment plans
· Recommend investment decisions to clients

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· CFA (Chartered Financial Analyst)
· CA (Chartered Accountant)
· B. Com
· B. A in Economics& Statistics
· B. Sc in Economics |Statistics
· B. B. A with specialization in Accounting, Finance, Statistics

Postgraduate courses

· M. Com
· M. B. A with specialization in Finance

Eligibility and Admission process to courses:

· Class XII completed
· Selection in entrance tests to BBA, MBA, CA and CFA

Aptitude and Skills needed:

· Strong in Mathematics and Accounts
· Superior Analytical skills
· Updated on Economic development in India and abroad
· Adept at using computer programs such as MS Excel for in-depth data analysis
· Excellent Communication skills
· Aptitude for Risk

INDUSTRY GROWTH AND CAREER PROSPECTS

Financial Analysis is a fundamental skill required in the modern business world. Most corporates need sound advice on investment decisions. The service of Financial Analysts - as employees or consultants - is mandatory for companies to make important financial decisions and accomplish growth and earnings.
The demand for qualified and experienced Analysts will continue to be high in India as the country grows at a steady pace. Besides, these professionals have a bright future to grow into various Senior Finance roles in an organization.

JOB OPPORTUNITIES

Government jobs

· Government's Finance Department
· Reserve Bank of India, Government Banks and Financial Institutions

Private Sector

· Private banks and Finance companies
· Mutual Funds
· Investment Banks
· Insurance Companies

Educational sector
· Lecturers or Associate Professors of Finance at some of the leading Institutes and Colleges in India

Self employed
· Independent Financial Consultants to Corporate and Individual clients

Work hours and day/night shifts:
Fixed hours with some overtime| Day shifts

Fine Arts

A career in Fine Arts can be varied in its media of expression and application ranging from Music, Dance, Painting, Sculpting and Dramatics to colleting and curating artefacts, and managing museums and art exhibitions. Companies today focus engaging with their customers/consumers by expressing their products in an artistic way. Fine Arts graduates can work in a varied range of jobs, from teaching art and music in schools, to advising consumer product and web design teams on how to design their products better to connect with the end user.

Some of the examples of careers in Fine Arts are Art & Music, Dance & Choreography teacher in Schools/Colleges or in private practice, Web & Graphic User interface and experience designers, Metal working, Playwrights, cinematographers and directors, vocal coaches, art/sculpture curator, museum and home designers.

EDUCATION AND ELIGIBILITY:

Undergraduate and Post-graduate courses:
Students who are interested in a career in Arts can pursue the Bachelors in Fine Art Degree after finishing PUC or 12th standard. The undergraduate degree isa 3 or a 4 year course depending on the college/University offering. They can also pursue a 2-year Master's degree in the specific field of Fine Arts after completing undergraduate degree. A degree in Fine Arts gives students an opportunity to explore various media and elements - visual, tangible, structural of expression. The first year of the undergraduate course focuses on Foundation in Fine Arts followed by 6 semesters of Specialization.

ENTRANCE EXAMS:

There are no common entrance/admission tests for a degree in Fine Arts; Some College/ Universities have an application and selection process that could include an entrance exam and interview.

Eligibility and Admission Process to courses:
Minimum Marks required for most universities and colleges is 50% average in II PUC/12th standard board exams along with qualifying score in entrance exams as defined by the college/ university.

Undergraduate Course:
B.A. in Fine Arts / Bachelor of Fine Arts (BFA) / Bachelor of Visual Arts (BVA)

Postgraduate Course: M.A. Fine Arts / MFA / MVA

APTITUDE AND SKILLS NEEDED:

• Knowledge of the styles and trends, material and medium used in their field- e.g. dance forms for dancer/choreographers, media such as metals/plastic/fabric for sculptors/art installer, comics and characters for cartoonists.

• Ability to understand and keep up with latest trends in their field of Art - e.g. fabrics and material, designs and patters, music and dance, trending in social and local media.

• Strong Communication: Ability to listen to client's requirements closely and share their interpretation and vision with them

• Willingness to revise the work product until client's needs are met, work long hours under pressure and travel to any event or installation site, and participate in promotional activity.

JOB OPPORTUNITIES

Government:
• Fine Arts graduates can contribute to their field through Government initiatives run by Ministry of Culture, National Gallery of Modern art, National Monuments Authority or teach in Government universities.

Private:
• Private firms in industries with Art & Design focus: The Film and Theatre, Construction and Interior Design, Jewelry and Fashion design industries, to name a few, look for individuals who can turn artistic inspirations into products (movies, dance, choreography, jewels, clothes, etc.) that can create economic value.

Education:
• Professor of Fine Arts, Art, Music, Dance and teacher of any of the fine arts at Schools/ Colleges.

Self Employed:
• Many individuals gain exposure and experience in the field of Arts by exploring art forms that are rare and extinct today. They are usually self-motivated and employed and do so for their own artistic satisfaction.
• Seasoned artists can set up their own company or freelance consultancy services on Arts & Design to individual and corporate clients.

Work hours and day/ night shifts:
Usually normal hours | Long hours if working on delivering for clients | Visits to client/ event locations.

Industry Growth and Career Prospects: With society in India at large becoming more open to non-technical fields such as the Arts as a career option and employers requiring support in artistic expression for their products marketing, many courses are now being offered in Fine Arts. While the Arts may not have been high paying earlier, new careers and industries are being created related to Arts today leading to a niche and well-paying career.

Flight attendants or cabin crew (also known as stewards/stewardesses, air hostesses, cabin attendants) are employed by airlines to ensure the safety and comfort of passengers aboard commercial flights.

Flight Attendants perform some of these tasks on their job:

· Attend pre-flight briefing on expected weather conditions
· Pre-flight check of emergency equipment
· Greet passengers coming aboard and assist them in storing luggage
· Ensure that all safety regulations on board the flight are observed
· Demonstrate use of emergency equipment to the passengers
· Serve or sell beverages or meals on the flight
· Administer and coordinate emergency medical care, as needed
· Assist passengers if an emergency arises including to evacuate the aircraft

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· Diploma in cabin crew services & hospitality management
· Certificate courses in aviation and hospitality services

Eligibility and Admission process to courses

· Class XII completed

Aptitude and Skills needed

· Communication skills with fluency in English
· Customer-service skills
· Quick decision-making
· Physical stamina and ability to work erratic hours
· Presentable personality
· Attentive to security regulations and customer needs

INDUSTRY GROWTH AND CAREER PROSPECTS

As more private airlines join the industry, air travel is becoming affordable and common among Indians. This has resulted in a growth in jobs in the aviation sector, including openings for flight attendants across all new airline operators.

JOB OPPORTUNITIES

Government jobs

· Flight attendants with Government carriers such as Air India

Private Sector

· Private airlines
· Trainers in Aviation academies and training institutes
· Hospitality industry

Career Path

- Training of Flight Attendants
- Management roles
- Head Attendant
- Senior flight attendant
- Flight attendant

Work hours and day/night shifts:
Work hours not fixed
Day/nightshift - Variable shifts, irregular schedules, work on holidays, nights and weekends.

A large portion of the perishable food products cultivated in India would have gone a waste if not for the field of Food Science or Food Technology. Food Technology or Food Science is concerned with the processing, preserving and packaging of food products for later use. The field applies scientific methods towards the manufacture, processing, packaging and storing of food products ensuring that they last longer, retain their nutritional value and are safe for use.

Food Technologists or Food Scientists study the chemical composition of food items and develop efficient ways of processing and packaging them.Their focus is to make the best use of the food products available in the country with minimum wastage. They also ensure that such food products comply with health and hygiene aspects, packaging standards and Government specifications.

Frozen food, Tinned food, Packaged Milk, Packaged Snacks and Fast Food, Ready-To-Eat Meals, and Breakfast Cereals are all products of this field. Similarly, different ways of packaging food such as tetra packs, vacuum sealed cartons and heat-and-eat pouches are also a result of continuous research and innovation by the Food Science sector.
Food technology has several specializations such as Food Research and Development, Quality Control, Market Research and Food Safety.

Some of the tasks Food Technologists do include:
· Analyze both raw ingredients and finished food products
· Experiment with new and healthier additives, substitutes and production processes
· Check for contamination and adulteration in food
· Improve the nutritional value of the food
· Supervise storage conditions and hygiene
· Ensure that no harmful agents are introduced

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses
· B. Tech in Food Technology
· B. Sc. in Food Science| Food Technology | Food and Nutrition | Home Science | Culinary Arts| Nutrition and Dietetics| Hotel management
· Diploma courses in Food Technology

Postgraduate courses
· M. Sc in Food Technology
· M. Tech in Food Technology
· Ph. D

Eligibility and Admission process to courses
· Class XII completed in Science

Aptitude and Skills needed

· Interest in Food and Nutrition
· Scientific aptitude
· Analytical and Research skills
· Ability to follow rules and regulations

INDUSTRY GROWTH & CAREER PROSPECTS
As urbanization and busy lifestyles of people continue to grow at a rapid pace, on the one hand, there is a growing demand for packaged, processed and ready to eat foods.
However, there is also an increase in health awareness and consumers look for quality, nutrition, variety and convenience in their food options.
Also, India is on the forefront of food-based exports. With our large output of consumable food grains, fruits and vegetables, it becomes vital for us to master the science of processing, preserving, storing and distributing our Agricultural produce. There is great scope and competition for careers in this field.

JOB OPPORTUNITIES

Government jobs
· Government Food Corporations such as the FCI (Food Corporation of India), Modern Food Corporation and North-Eastern Agricultural Marketing Corporation

Private Sector
· Processed and Frozen Food Manufacturing Companies
· Food Equipment Manufacturers
· Food Packaging industry
· Distilleries
· Dairy Farming
· Poultry Farming
· Ayurveda & Naturopathy sectors
· Catering companies
· Private Food Exporters

Research
· Researchers and Scientists at Food Technology Laboratories, Private Food Manufacturing companies and Government Research Bodies

Educational sector
· Associate Professors of Food Sciences at Indian Colleges and Universities

Self employed
· Independent Consultant to Private Food Technology companies

Work hours and day/night shifts:
Fixed | Day shifts

Forensic Science is a combination of Medical, Laboratory and Field Science applied to the complex field of Crime Investigation. It draws from a number of scientific branches, including physics, chemistry, and biology, for the recognition and examination of physical evidence in scenes of crime.

Forensic Scientists are trained in the gathering and analysis of evidence collected from scenes of crime such as traces of Blood, Salivaand Body Fluids, Hair, Fingerprints, Specimens of Body Tissue and so on. They study these elements using the latest scientific tools and technological aids and prepare in-depth reports on their findings. These reports are called for in both civil and criminal courts as evidence to clinch a criminal case.

Forensic Scientists collaborate with police, medical anthropologists and medical examiners and are often required to provide their findings to lawyers and judges in courts.

Some of the tasks Forensic Scientists do include:
· Test, examine and analyze tissues, chemicals and physical materials found at a scene of crime
· Work in laboratory with advanced scientific tools and techniques
· Reconstruct the sequence of a crime
· Appear in a court of law
· Prepare detailed reports on their finding & analysis of evidence

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc in Forensic Science
· Advanced Diploma and Short Term Certificate Courses such as Expert or Gold Certification |Professional Specialized Certification| Universal Certification and in Forensic Sciences and so on

Postgraduate courses
· M. Sc in Forensic Science
· PG Diploma in Forensic Sciences
· Ph.D. in Forensic Sciences
· MD in Forensic Science

Eligibility and Admission process to courses:

· Class XII completed with Science

Aptitude and Skills needed:

· Inquisitive nature
· Keen Observation
· Precision and Accuracy
· High Level of Intelligence
· Ability to work with a team
· Critical thinking and Problem Solving approach
· Logical and Methodical approach
· Aptitude for Scientific Analysis
· Communication skills

INDUSTRY GROWTH & CAREER PROSPECTS

A career in Forensic Sciences is much sought after all over the world. The availability of trained and skilled professionals in this field is limited and hence the demand for these professionals is expected to keep growing. With fewer candidates available to fill the available openings, competition in the field is likely to be low.
However, entry into the senior and prestigious roles requires high level of training and experience. There is increased focus on new techniques and advanced training in the field, and professionals who are equipped with such training can aspire for the highest levels in the field.

JOB OPPORTUNITIES

Government jobs
· State Home Departments
· Central Forensic Laboratories
· Police Department
· Crime Branches
· CBI (Central Bureau of Investigation)
· CID (Crime Investigation Department)
· IB (Intelligence Bureau)
· Defense Services
· High Courts and Supreme Court
· Quality Control Bureau
· Narcotics Department

Private Sector
· Detective Agencies
· Banks
· Insurance Companies
· Hospitals
· Security Services Agencies
· Law Firms
· Private Forensic Laboratories

Educational sector
· Associate Professors at Institutes of Forensic Sciences

Research
· Researchers at Government and Private Forensic Laboratories

Social Sector
· NGOs
· Juvenile shelters
· Rehabilitation centres

Self employed
· Independent Consultants providing assistance and guidance to Police Force, Investigating Agencies and so on

Work hours and day/night shifts:
variable hours | Day & Night shifts

POLICE LINE DO NOT CROSS

Geology is a scientific discipline which investigates the earth's structures such as mountains, rivers and rocks, and studies their composition, processes and history.

A Geologist helps us to detect resources such as water, minerals and coal and petroleum essential for our survival. They help us predict natural calamities like earth quakes, volcanoes and floods. But one of the most important purposes served by Geologists is in preserving the environment.

Geologists do some of these tasks:
· Explore, survey and produce oil and minerals
· Study global climate patterns and forecast the weather
· Assess suitable land for construction of dams, bridges, tunnels and railway lines,
· Rehabilitate contaminated lands and mine sites
· Determine safe disposal of hazardous wastes
  Reduce air and water pollution

INDUSTRY GROWTH & CAREER PROSPECTS

As India's development needs go up, Geologists are needed to tap resources such as coal, oil and minerals to help our country grow. Geologists have an important role in preserving our environment.

This is a field that requires specialized skills and knowledge and will become highly sought after as our environment faces newer challenges every day.

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

. B. Sc. or BA in Geology, Earth science, Environmental science

Postgraduate courses

· M. Sc. Geology with a specialization in areas like structural geology, mineralogy, petrology, hydrology, oceanography, volcanology, sedimentology, planetology, meteorology, geological engineering and so on.
· M. Tech. Petroleum Exploration
· Ph D with specialization in any of the related areas of Geology

Eligibility and Admission process to courses

· M. Sc. In Geology is a minimum requirement for most jobs
· Selection in UPSC exam for entry into Geological Survey of India (GSI), Central Ground Water Board (CGWB) etc.
· Ph D and selection in National Eligibility Test (NET) for teaching jobs at college level

Aptitude and Skills needed

· 3D-visualisation abilities
· Cognitive skills and scientific thinking
· Adaptability to harsh weather and threat from wildlife and natural calamities

JOB OPPORTUNITIES

Government jobs

· Geologists in Public Sector Units such as Geological Survey of India (GSI), Central Ground Water Board, Oil & Natural Gas Commission (ONGC) and Bharat Petroleum Corporation Limited (BPCL)
· Roles in Indian Administrative Service (IAS), Indian Forestry Service (IFS)
· Defense and paramilitary forces

Private Sector

· Private civil engineering and consulting firms
· Mining companies
· Petroleum and energy multinationals
· Paleontologist in museums
· Gas and Natural Resources exploration for large corporate

Social Sector

· Environmental cleanup companies, waste control and disposal businesses

Research and Teaching

· Research positions at Government and private colleges and corporate firms
· Teaching at Government and private colleges

Work hours and day/night shifts:
May have to work long hours depending on requirement| Mostly day shifts though research activities have no fixed hours.

Graphic Design is a way of communication of a message or an idea using text, images or Audio Visuals. Usually they are given a briefing by the client on the idea or information that they wish to convey.

Graphic Designers work on a variety of medium such as brochures, websites, videos, computer games, advertisements and books. Product packaging, corporate logos and other corporate and brand communication are also part of a Graphic Designer's work profile.

Design software packages such as Quark Xpress, Illustrator, Photoshop, 3D Studio Max, Dreamweaver and Flash are used by Graphic Designer to get the results they want.

Some of the tasks Graphic Designers take up include:
· Meet clients and understand their requirement
· Understand the target market for whom the design is being created
· Experiment with different layouts, fonts and colour schemes to get desired results
· Develop layout for books, magazines or brochures
· Design logos, packaging of products, letterheads etc., for companies

INDUSTRY GROWTH & CAREER PROSPECTS

Good design is essential to create unique branding, product packaging and advertising – all of which help to grab the consumers' attention.
Graphic Design is a $54 Billion industry in 2016, worldwide. The demand for graphic designers is set to go up in the future as the digital medium continues to grow.

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Des. (Bachelor of Design) in Visual Communication/Communication Design
· B. A. in Visual Communication with Graphic Design
· B.F.A   (Bachelor of Fine Arts) with Graphic Design
· GPD in Design - Graduate Dilpoma Programme/ Graduate Degree Programmes with specialization in Graphic Design Certificate programmes in Graphic Design

If interested in career advancement/teaching should go for:

Postgraduate courses
· M. Des. (Master of Design) in Visual Communication, Communication Design etc.
· PGPD in Design - Post Graduate Diploma Programme with specialization Graphic Design
· Ph. D. (Design)

Eligibility and Admission process:

· Selection in entrance test at leading design schools
· Personal Interview
· Studio Test to assess creative skills
· Class XII completed in any discipline

Aptitude and Skills needed:

· Creativity and imagination
· Attention to detail
· Ability to listen and understand client needs
· Interpersonal skills
· Effective communication skills
· Marketing skills to sell one's design ideas
· Computer skills and specialized software knowledge

JOB OPPORTUNITIES

Government jobs

· Design Consultants for various Government Departments

Private Sector

· Creative Department in Advertising agencies and Design Studios
· Art Director and Layout Editors for Newspapers, Magazines etc.
· Brand identity designer in Public Relations and Advertising firms
· Branding and Design Professional in manufacturing firms, product branding and packaging industries
· Design professionals in Digital Media firms
· Creative professionals in entertainment industry including films and video
· Graphic Designers in Computer gaming and animation industry
· Design consultants for e-commerce firms

Self employed

· Set up your own independent Graphic Design practice
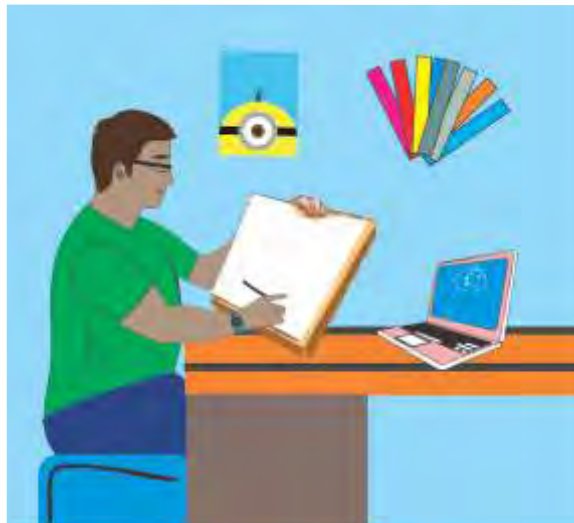
Educational sector

· Lecturer or Associate Professor of Graphic Design at Nationalised and Autonomous design colleges
· Instructor at private multimedia training institutes

Work hours and day/night shifts: Long and erratic hours because of tight deadlines and nature of the industry| Day shift

In its traditional sense, Home Science aims at helping homemakers manage their homes and families in an efficient and skillful manner within available resources.

However, today this field is the basis of many challenging professions which are vital to society.

It is no longer restricted to women or home and covers specialized areas such as Food and Nutrition, Resource Management, Fabric and Apparel Science and Human Development which are vital to society.

Home Science professionals can be found:
· Supervising balanced meal preparations in schools and hospitals
· Designing garments in apparel units
· Designing the interiors of a home or office
· Providing psychological counseling to teenagers
· Researching ways to improve nutrition content of food products in a food manufacturing factory

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. Home Science with specialization in areas such as Family Resource management, Apparel Designing, Nutrition and Dietetics, Child Guidance and Family Counselling, Interior Design, Social Work, Development Studies, Entrepreneurship, Catering Technology
· B. A. Home Science
· Diploma in Home Science

Postgraduate courses
· M. Sc. Home Science with specialization in any related area
· PG Diploma in Home Science
· Ph.D. Home Science

Eligibility and Admission process to courses

· Class XII completed

Aptitude and Skills needed

· Effective communication and interpersonal skills
· Caring nature, particularly in health care
· Organizational skills
· Self-discipline
· Interest in areas such as food, nutrition, interior design, health care, social work etc.

INDUSTRY GROWTH AND CAREER PROSPECTS

Sports, health and fitness have become key focus areasin recent times, giving rise to a demand for home science professionals. Nutritionists and dieticians are apart of major hospitals in cities.

Food technology, Food Processing, Microbiology and Biochemistry are up and coming areas in the job market.
With the growing stress in modern lives, family counseling and therapy is also gaining importance.

JOB OPPORTUNITIES

Government jobs

· Dieticians in Government hospitals and health departments
· Nutritionist in military canteens and Government cafeterias

Private sector

· Nutritionist and dieticians in sports clubs, hospitals, schools
· Apparel Merchandisers and Designers in textile firms
· Food and Beverages (F&B) and House Keeping executives at hotels
· Caterers
· Food product manufacturing industry
· Psychological Counsellors in health care organizations, corporate offices and educational sector
· Interior designers

Social sector & NGOs

· Social work
· Family counselors

Educational sector

· Researcher assistants in microbiology, biochemistry and food industry
· Lecturer of Home Science in Universities and Colleges both in Government and Private colleges

Self employed

· Entrepreneurs in textiles, food, baking and confectionary
· Independent nutritionists and dieticians
· Independent Career Counselors who work with individuals
- Consultants to Schools and Colleges

Work hours and day/night shifts:
Fixed work hours except in research. Day job - except in hospitality where you have to work late into the night.

If you enjoy working outdoors with plants and flowers, making them grow and flourish, you should consider a career in horticulture.

Horticulture is the science of plant cultivation that helps improve the growth and yield of flowers, vegetables, fruits, medicinal and ornamental plants. This is a broad field and includes specializations such as water and soil management, seed technology, pest management, food processing, food packaging, conservation and so on.

Here are some tasks horticulturists do on their job:
· Grow plants for nurseries and garden centers
· Advise customers on the type of plants to buy and how to care for them
· Design and develop public gardens and green spaces as a landscape expert
· Research new strains of seeds and plants
· Inspect fruits and vegetables to meet quality standards
· Pick, sort and package produce for sale
· Provide consultancy for organic, sustainable and chemical-free cultivation

EDUCATION & ELIGIBILITY

Educational Requirements

· B. Sc. Horticulture
· B. Vocational program in Horticulture, food processing, food preservation, green house management, horticulture produce marketing etc.
· Short term training at government Krishi Vigyan Kendras (KVKs)

Those interested in career advancement can also pursue
· M. Sc. Horticulture
· Ph. D.

Eligibility and Admission process

- Class XII completed with biology

Aptitude and Skills needed

· Growing and taking care of plants
· Outdoor physical, manual work
· Ability to understand and follow health and safety regulations

INDUSTRY GROWTH AND CAREER PROSPECTS

Horticulturists can bring a much-needed environmental focus to cultivation. They can help reduce water and fertilizer use and help farmers manage pests through chemical-free methods.
Not surprisingly, horticulture is one of the fastest growing agricultural sectors in India. Job growth is expected at about 9% for agricultural and food scientists over the period 2012-2022.

JOB OPPORTUNITIES

Government jobs

· District Horticulture Officer/ District Agriculture Officer in state Agriculture Departments and Government Boards like Spice/Coir/Rubber Boards.
· Scientists with the Agriculture Scientist Recruitment Board, ICAR, New Delhi
· Training Organizer and Training Associate in Krishi Vigyan Kendra (KVK)
· Indian Forest Service (IFS)
· Horticulture Inspector / Fruit & Vegetable Inspector

Educational sector

· Lecturer, Assistant Professor and Associate Professor in Agricultural Universities, Government and Private Colleges.

Social sector

· Lecturer, Assistant Professor and Associate Professor in Agricultural Universities, Government

Self employed

· Florists and agricultural produce store owners
· Consultancy in conservation, food industry, sericulture, agri-business, etc

Private Sector

· Manager in private plantations, tea and coffee estates
· Agricultural machinery and equipment manufacturing firms
· Agricultural products marketing firms
· Food technology
· Food processing and export
· Fertilizer and Pesticide companies
· Environmental conservation agencies
· Scientists in R&D facilities of privately held companies both local and multinational
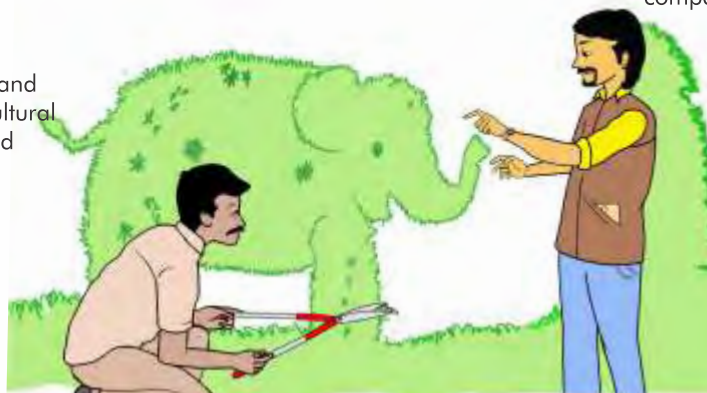
Work hours and day/night shifts:
Day shifts, with some night shifts based on plant and harvesting requirements.

Hotel Management is a specialized degree for professionals who want to be part of the hotel and hospitality industry.

It trains people in all aspects of managing a hotel - whether a five star hotel or a small beach-side resort.

Hotel Management jobs require a range of skills including Food and Beverage Service, Front Office operation, Sales and Marketing, Events, Banquets, Accounting etc.

Some of the functions that Hotel Management professionals do are:
· Sales and marketing employees identify prospective customers to sell the hotel's services
· Floor Supervisors oversee operations on each floor of a hotel
· Housekeeping Department ensures that guest rooms are clean and well maintained
· Banquet Managers supervise catering assignments
· Executive Chefs works with assistants to preparetasty meals

EDUCATION & ELIGIBILITY

Educational Requirements

Hotel Management Training
· Certificate courses in Hotel and Catering Supervision
· Craftsmanship Course in Food Production & Patisserie
· Diploma in Hospitality Management|Food & Beverages Services, Bakery & Confectionery
· Advanced Diploma in Hospitality Management
· Associate Degree in Hospitality Management
· B.A. in Hotel Management
· B.Sc in Hospitality & Administration
· Bachelors in Hotel Management

Postgraduate courses
· Postgraduate Diploma in Accommodation
· M.Sc in Hospitality Administration
· M.Sc in Dietetics and Hospital Food Service

Eligibility and Selection into the course

· Class XII completed in any stream
· Admission through selection process for some of the Hotel Management Institutes

Aptitude and Skills needed

· Passion for hospitality
· Pleasing personality and interpersonal skills
· Aptitude for Customer service
· Good organizational abilities
· Skilled at written and verbal communication
· Problem-solving ability

INDUSTRY GROWTH AND CAREER PROSPECTS

India is a sought after tourist location with a well-established hospitality industry. Besides hosting visitors from all over the world, Indians have also been traveling extensively within their own country. This has led to a surge in the number of hotel chains in the country. These hotels do not wish to spend time and funds in training people who are completely new to the field.
Trained Hotel Management employees and professionals are much in demand in India.

JOB OPPORTUNITIES

Government jobs

· Government Hotels and Guest Houses
· Hotel and Tourism Associations (eg: State Tourism Development Corporations)
· Catering departments of railways, armed forces, Government departments, etc.

Private Sector

· Private Hotels, Resorts and Luxury Spas
· Airline Catering (flight kitchen) and Cabin Services
· Club Cruise Shipsmanagement
· Hospitality services in various MNCs

Educational sector

· Instructors and Lecturers at Hotel Management Institutes, Colleges and Universities

Work hours and day/night shifts:
Erratic work hours,
Day and night shifts

The Hotel Business comprises of many different functions and departments all working under the same roof.

These include Front office, Guest Relations, House-keeping, Food and Beverages, Operations, Accounting, Maintenance and Sales.

A Hotel Manager or General Manager is the key person behind the smooth functioning of all these departments in a hotel. Hotel Managers may be specialists in Management Principles, Sales and Marketing or Human Resource Management or other related areas.

Some of the tasks that Hotel Managers do as part of their job:
· Deal with day-to-day customer complaints and comments
· Ensure events and conferences run smoothly
· Ensure Bookings, Guest Relations, Security, Housekeeping and Kitchen function efficiently
· Motivate and lead employees
· Maintain supplies, renovations and furnishings
· Deal with contractors, suppliers and contract staff

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.H.M (Bachelor of Hotel Management)
  Certificate and Diploma courses in Catering |Hotel Management| Hospitality

Postgraduate courses
· Specialization in areas such as Culinary Arts
· MBA for Managerial Roles in Sales and Operations

Eligibility and Admission process to courses

· Class XII completed with any discipline
· Selection in the entrance test for admission into leading Hotel Management colleges

Aptitude and Skills needed

· Effective Communication skills
· High People Skills to interact with Guests and Employees
· Problem Solving and Managerial ability
· Organizational Skills
· Attention to Detail
· Working under high stress situations

INDUSTRY GROWTH AND CAREER PROSPECTS

Globalization has resulted in many people traveling extensively – both for work as well as pleasure. India, particulalry, has been a popular tourist destination for many years. This has led to a growth in the number of Hotels, Resorts and Homestays operating even in remote locations of the country. But too many Hotels led to an excess of rooms available and fewer guests in recent years. This situation is slowly correcting itself as new hotel constructions have slowed down.
At any rate, there continues to be a healthy demand for well-trained, efficient and experienced Managers to run the many hotels already functioning in India. The more skilled and hard working you are, you can expect to quickly rise in the industry.

JOB OPPORTUNITIES

Government jobs

· Managerial roles at Government Hotels, State Tourism Corporations etc.
· Managing hospitality at Government Guest Houses
· Supervising hospitality at Government Events, Conferences, Summits, International Seminars and Athletic Meets
· Supervising catering at Railways and Government airlines such as Air India

Self employed

· Independent Consultants offering expertise to Hotels, Home-stays etc
· Television Cooking Show Hosts, Judges

Educational sector

· Hotel and catering institutes

Private Sector

· Hotel & Restaurant management
· Manager of Private Airline Catering and Cabin Services
· Club management
· Hospitality on Cruise Ships
· Hospital Administration and Public relations
· Hotel and Tourism Associations
· Managers of Home-stays, Forest Lodges and Guest Houses
· Managing Canteens at Institutions such as colleges, schools, factories, company guest houses etc.

Work hours and day/night shifts:
Variable work hours, Day & night shift

Human Resources Management

The workforce or employees of an organization are called its Human Resource. The Human Resource (HR) Manager is responsible for taking care of every aspect related to the employees in an organization.

A HR manager is also responsible for motivating the workforce towards the company's goals by creating a work environment in which people will contribute well and stay happy. They devise performance appraisals and incentive schemes to ensure that deserving employees are rewarded well. From recruitment and training to organizational structure, appraisals and pay roll, the HR Manager supervises everything.

Human Resources Managers often specialize in areas such as Labour Laws, Industrial Relations, Training and Development, Recruitment and Selection and so on.

Some of the tasks Human Resource Managers perform on their job include:
· Create job descriptions outlining all the tasks that an employee is responsible for
· Conduct recruitment tests for prospective candidates and interview selected candidates
· Conduct background checks of prospective employees
· Organize training sessions
· Listen to and resolve employee grievances
· Design pay scales and incentive schemes

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Com | B. Sc with specialization in any stream
· B. A Psychology
· B. B. A | B. B. M in Human Resources
· L. L. B (Bachelor of Law)

Postgraduate courses
· M. A (PM) Master of Arts in Personnel Management
· M. A (IR) Master of Arts in Industrial Relations
· M. S. W (Masters in Social Work)
· MBA (HR) Master in Business Administration with specialization in Human Resources Management
· PGDP in Human Resource Management

Eligibility and Admission process to courses

· Class XII completed
· Selection in the entrance test to BBA and MBA courses of top colleges and Universities

Aptitude and Skills needed

· Management and Leadership skills
· Organizational skills
· Aptitude for specific computer software such as payroll software
· High Interpersonal skills
· Negotiating skills
· Empathy with employees

CAREER PROSPECTS

An organization's employees are their key strength. All organizations, big or small, need HR managers and support staff to take care of their employees' needs.
A strong HR Manager plays a very important role in helping organizations retain their employees, motivate them and offer them sufficient incentives and growth so that the productivity of the company will continue to improve. In recent years, HR has come to be considered to be as vital to an organization's growth and performance as Sales and Finance.
The demand for experienced and skilled HR managers will continue to grow across all industries.

JOB OPPORTUNITIES

Government jobs

· HR Managers in Public Sector Units, Nationalized Banks, Government Organizations
· Human Resources Department Ministry

Private sector

· HR Departments of Private Companies, Factories and Manufacturing Units
· Recruitment and Training Agencies
· HR Consultants

Educational sector

· Lecturers and Associate Professors of Human Resource Management at various professional colleges

Self-employed

· Independent HR consultants
· Set up your own recruitment or training firms

Work hours and day/night shifts:
Fixed hours| Day shifts but some industries may require night shifts too

We use many facilities and products in our daily lives without thinking twice about how it has been made. Industrial Design is the discipline that focuses on the design- the looks, efficiency and convenience of using a certain product.Good Industrial Design also aims at making products sell more and manufacturing processes efficient.

Industrial Designers apply concepts of art and engineering to product design. They work with Market research and Manufacturing Engineers to research, design, model, test and produce prototypes of products that are attractive, efficient and convenient to use.

Transportation, Furniture, Ceramics, Products and Packaging are traditional areas where Industrial Designing is applied. A wide range of products from buses, cars and motorbikes, chairs, mobile phones, medical instrumentsand household appliances to larger items like industrial tools, equipment, machinery and aircrafts undergo design processes for improved design, branding and usability.

Some of the tasks that Industrial Designers do on their job:
· Interact with Market Research teams to understand customer needs and flaws in existing models
· Make/review sketches and run CAD (Computer Aided Design) blueprints
· Build models and prototypes
· Test products and conduct pilot studies on select customers

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc in Product design
· B. Design (Bachelor of Design) in Industrial Design
· GDPD (Graduate Diploma in Product Design) with specialization in Product Design, Furniture and Ceramic Design, Automobile Designing, Lifestyle Accessories Designing, Craft Designing, Toy Designing, Software Designing, Computer Aided Industrial Designing and Applied Ergonomics, Glass and Ceramics Design etc.

Postgraduate courses
· PGDPD (Post-Graduate Diploma Programme in Design) with specialization in related disciplines
· M.Des (Master of Design) in related disciplines
· M. Sc in Design Research
· Ph. D. in Design

Eligibility and Admission process to courses
· Class XII completed with Science
· Selection in the entrance test and personal interview for entry into the top Engineering and Design colleges

Aptitude and Skills needed
· Aptitude for Math, Physics and Engineering
· A combination of creativity, practical skills and technical ability
· Problem-solving approach
· Understanding of materials and production processes
· Visualization skills
· Proficiency with specialized and computer-aided design (CAD) software
· Team work and interaction with other specialists

INDUSTRY GROWTH AND CAREER PROSPECTS

In India, where manufacturing has traditionally not been a very strong sector, until recently a design education was not much sought after. But this is changing now thanks to the Government's Make in India campaign which is trying to put the focus on manufacturing in the country. Design is fast becoming a choice of study among aspirants in the profession.
Industrial Design is a niche area and job opportunities are limited at present in the country. However, for candidates with the right qualifications and specialized knowledge,the scope for growth and success is huge.
There is a significant demand for experienced designers, especially in specialized areas and technologies.

JOB OPPORTUNITIES

Government jobs

· Design Consultants for various Government Departments, Public Sector Manufacturing units

Private sector

· Design departments of furniture brands, mobile phones, household appliances and so on
· Automobile manufacturers
· Specialists in ceramic design in table ware, sanitary ware, light fittings, pottery, decorative porcelain manufacturing

Educational sector

· Lecturers and Instructors at Colleges and Institutes teaching Industrial Design and Product Design

Self employed

· Independent Design Consultants offering expertise to manufacturing firms

Work hours and day/night shifts:
Fixed hours except during peak workloads, Day shift

Industrial Engineering is the branch of engineering that makes complex production systems and processes more efficient. It helps manufacturing organizations make more effective use of their factors of production - material, people, machines and power- reducing production costs and improving the quality of the final products.

Industrial Engineers apply principles of scientific management and technology to the production function to make the entire production process more efficient and cost-effective. Though Industrial Engineering was traditionally applied to the manufacturing sector, today the field covers a varied range of industries from IT, Consultancy, Banking and Financial Institutions to Telecom. Industrial Engineers work to eliminate wastage of time, money, materials, energy and other resources and hence are valuable across all industries.

Functions such as Operations Management, Systems Engineering, Operations Research, Quality Engineering etc. are variations of the same core field of Industrial Engineering. Industrial Engineers take up various roles in Industry such as Plant Engineer, Systems or Process Engineer, Health and Safety Manager, Quality Control Manager, Industrial Production Manager, Operations Analyst, Logistics Manager, Project Manager and so on.

Some of the tasks Industrial Engineers perform include:
· Identify the most cost-effective location for setting up a production unit
· Assess the accuracy of production and testing equipment
· Assist in financial planning and cost analysis
· Develop pilot programs, simulations and prototypes
· Implement new and enhanced processes in companies
· Assist in employee evaluation and improving productivity
· Design Information Systems to meet requirements

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. E in Industrial & Production Engineering
· B. Tech in Industrial & Production Engineering
· Certificate and Diploma courses in Industrial and Production Engineering

Postgraduate courses
· M. Tech in Production & Industrial Engineering
· M. Tech in Production Technology
· Post Graduate Diploma in Industrial Safety
· Ph. D. in Industrial Engineering

Eligibility and Admission process to courses

· Class XII completed with Math & Science
· Selection in the entrance test to B. E

Aptitude and Skills needed

· Effective communication skills
· Aptitude for computer systems
· Team work
· Aptitude for Mathematics
· Management skills
· Critical thinking and problem-solving

INDUSTRY GROWTH & CAREER PROSPECTS

Due to the all-encompassing nature of this discipline, Industrial Engineers are in great demand across all industries in both the public and private sector.
With higher level qualifications and work experience Industrial Engineers are ideal candidates to fill Managerial roles in Engineering and Manufacturing companies, IT and Services sector such as Banking, Transportation and Telecommunication.

JOB OPPORTUNITIES

Government jobs

· Managers and Supervisors in various Public Sector Units
· Plant Managers and Quality Control Managers in Government Organizations

Private Sector

· Engineering and Manufacturing companies
· Hospitals and Healthcare
· Transportation, Food processing
· Banking sector
· R&D Departments of Energy Sector, Utilities
· Quality Control in IT and other Industries
· Private consultancy firms

Educational sector

· Lecturers and Associate Professors of Industrial and Production Engineering at any of the private or Government Engineering colleges in India

Self employed

· Consultants to Business Firms

Work hours and day/night shifts:
· Fixed hours except during specific projects | Day shifts

Any kind of manufacturing activity requires automation which involves sensing, monitoring and controlling of many variables.

Instrumentation Engineering focuses on ways to control and monitor automated systems and processes, so that they function efficiently and smoothly. Instrumentation Engineers design, develop, install, manage and maintain equipment which is used to monitor and control engineering systems, machinery and processes.

It is a multi-disciplinary stream and covers subjects from engineering disciplines such as Mechanical, Chemical, Electrical, Electronics and Computer Engineering. Instrumentation Engineers work in both the hardware and the software industries.

Some of the tasks Instrumentation Engineers perform include:
· Design new control systems
· Test, Maintain and Modify existing systems
· Study data, write reports and present findings
· Collaborate with Design Engineers, Operations Teams, Production Department, etc.
· Ensure compliance to health and safety standards

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses
· B.E| B. Tech(Hons) in Electronics and Instrumentation
· B. E| B. Tech in Electrical & Electronics Engineering
· B. E in Chemical Engineering | Computer Engineering| Mechanical Engineering | Systems Engineering
· B. Sc in Physics | Applied Physics
· Diploma in Instrumentation Engineering

Postgraduate courses
· M. E in Instrumentation Engineering
· Ph. D.

Eligibility and Admission process to courses

· Class XII completed with Math & Science

Aptitude and Skills needed

· Logical and Mathematical ability
· Computer skills
· Effective verbal and written communication
· Skilled at handling instruments and software
· Leadership qualities
· Adept at trouble-shooting
· High level of Responsibility and Commitment
· Physical endurance to the environment in factories and manufacturing units

INDUSTRY GROWTH AND CAREER PROSPECTS

Most process and manufacturing industries including automobile,steel, oil, petrochemical, power, defense etc. have Instrumentation Departments. Automation is the buzz word in the process industry and this in turn requires Instrumentation Engineers. The multi-disciplinary nature of the field ensures that Instrumentation requirements exist across a wide spectrum of industries including areas such as avionics, aeronautical and space sciences.
The Government's recent Make in India Scheme with a focus on manufacturing is set to result in a further growth of Instrumentation Engineering jobs.

JOB OPPORTUNITIES

Government jobs
· Public Sector Units such as ONGC (Oil and Natural Gas Commission),NTPC (National Thermal Power Corporation), SAIL (Steel Authority of India Limited), NHPAC (National Hydroelectric Power Corporation)
· Indian Railways
· Government owned refineries

Educational sector
· Lecturers and Associate Professors of Instrumentation at engineering colleges

Self employed
· R&D Departments of Private and Public Sector Units
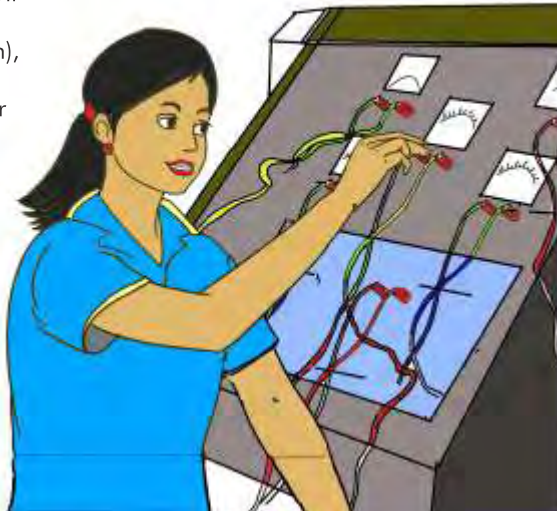
Private sector
· Manufacturers of high-end Instruments
· Private Oil and Gas Corporations and Energy Companies
· IT Industry
· Automobile, Transportation, and Aviation Industries
· Manufacturing industry
· Pharmaceutical industry
· Chemical Engineering industry

Work hours and day/night shifts:
Irregular and long work hours depending on the work load | Day shifts with occasional night shifts as well

Interior Design aims at improving the interiors of buildings by focusing both on the functionality and the beauty of the space. It ensures that the space is appealing, suitable for the client's use and matches the client's budget.

Interior Designers are creative professionals who can visualize a space and imagine how it should look even before it has been completed. They have an understanding of construction processes, building material, furniture, colors and lighting concepts required to create attractive interiors.

They also focus on areas such as ventilation, electrical circuits and installations, drainage and water supply, air-conditioning and heating systems so that the interiors are comfortable.

Some of the tasks that Interior Designers do:
· Communicate with clients to have clear understanding of their needs, budget and deadline
· Use computer tools such as CAD (Computer Aided Design) to sketch layout plans and initial design concepts
· Decide and buy lighting, furnishing, flooring, electrical wiring and fixtures
· Keep themselves updated on the latest technical knowledge of building and structures, materials and products for interiors

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Arch. (Bachelor of Architecture)
· B. Des. (Bachelor of Design) in Interior Design, Set Design and Furniture Design
· B.F.A (Bachelor of Fine Arts) with specialization in Interior Decoration
· B. Sc. in Interior Design | Interior Design and Decoration
· B.A. in Interior and Furniture Design, Interior Design
· Diploma and Certificate Courses in Architectural Studies, Interior Design

Postgraduate courses
· M. Arch. (Master of Architecture)
· M. A. in Interior Architecture & Design
· M. Des. (Master of Design) in Furniture Design

Aptitude and Skills needed
· Creativity, imagination and artistic flair
· Good listening skills and excellent communication
· Ability to interact with clients, builders & other team members
· Attention to detail
· Aptitude for illustration and technical drawing
· An understanding of architecture, materials and processes used in building construction
· Knowledge of specialized software used in Interior Design

Eligibility and Admission process to courses
· Class XII completed with Science/Mathematics as a subject
· For B.A and Diploma courses, XII completed with any discipline
· Selection in the entrance test and personal interview for entry into the top Engineering and Design colleges

INDUSTRY GROWTH AND CAREER PROSPECTS

The construction industry in India has been seeing a boom as more Indians are now owning homes. Interior Design has increased in importance as almost all large offices and many homes seek help of professional designers to utilize their space better. While there is increased demand for Interior Designers, qualifying from a reputed college, experience and staying ahead of competition help to find good jobs or projects.

JOB OPPORTUNITIES

Government jobs
· Interior Designers attached to various Government Projects
· Government owned Hotels and Resorts
· Government-owned commercial spaces, offices, retail outlets
· Official Residences and Guest Houses of senior Government Employees

Educational sector
· Associate Professors, Instructors of Interior Design at Institutes that offer Interior Design courses

Self employed
· Independent Interior Design Consultants offering services to home owners, offices, stores, boutiques & manufacturing firms

Private Sector
· Private Builders and Construction Companies
· Architect Firms
· Hotels and Resort chains
· Interior Design Consultancies
· Manufacturers of Furniture, Light Fixtures, Plumbing and other Fittings, Flooring products and so on
· Retail store chains, commercial space owners, offices and shops

Work hours and day/night shifts:
Variable work hours depending upon projects and travel to project sites, usually day-shift

Jewelry making involves working with various precious metals such as gold, silver and platinum as well as gems which include a wide range of precious and semi-precious stones. Each piece of Jewelry involves a series of processes from cutting the stones to setting them perfectly in the metal. India has been traditionally famous for t Jewelry and high quality gem stones produced here.

Gemology is the science of identifying and evaluating different types of precious and semi-precious stones. Gemologists are trained to classify natural gemstones and check for damagesin them.

Some of the tasks Jewelry Designers, Manufacturers and Gemologists do:
· Gemstone cutting, grading and polishing
· Creating designs on the computer for new pieces of Jewelry
· Melting and engraving of gold and silver
· Testing the purity of precious metals and gems
· Taking up processes such as electroplating, metal colouring, anodising, enamelling and stone setting
· Marketing and selling of Jewelry to stores, clients etc.

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· Certificate courses in Jewelry Design& Technology
· Diplomas in Jewelry Designing, JewelryManufacturing, Gemstones & Diamonds, Jewelry Retailing, Quality Control, CAD Computer Aided Design, Gemology etc.

Eligibility and Admission process to courses

· Class X or XII completed
· Selection in aptitude test and interview at leading design schools or training Institutes

Aptitude and Skills needed

· Good hand-eye coordination
· Precision and attention to detail
· Ability to concentrate
· Good visualization skills and vision
· Proficiency with computer-aided design (CAD) programs.

INDUSTRY GROWTH AND CAREER PROSPECTS

The Gems and Jewelry industry in India has traditionally been very strong and continues to be among the country's fastest growing sectors. We are one of the world's largest users of gold taking up about 20% of the world's consumption.

Gems and Jewelry also form a large part of our exports to the rest of the world, making it one of the top foreign exchange earners for India. Most of the Jewelry export houses and jewelers manufacturers located in cities like Jaipur, Ahmedabad and Suratneed trained Jewelry Makers and Designers.

With the entry of branded companies and the interest in newdesign and non-precious metal jewelry job opportunities in the industry have increased.

JOB OPPORTUNITIES

Government jobs

· Jewelry Makers and Gemologists associated with Government Emporiums and Crafts Showrooms

Private Sector

· Private Jewelry brands such as Tanishq, Swarovski, Nakshatra, Gili, Amrapali and so on
· Private Jewelry shops and showrooms
· Antique and art auction houses
· Watch manufacturers

Educational sector

· Instructors at any of the Institutes teaching courses in Gems and Jewelry

Self employed

· Independent Jewelry Design and Manufacturing unit, Jewelry Export unit
· Consultant to Jewelry manufacturers

Work hours and day/night shifts:
Long and erratic hours because of tight deadlines and nature of the industry, Day shift

Journalists help us stay updated on events that happen all across the world as well as in our own village or district. Journalism is the collection and distribution of news for the benefit of the general public.

News can be carried through print media such as newspapers, magazines and journals or through electronic media which includes all audio-visual forms such as Radio, Television, Internet and Mobile Phones. Based on this criterion, Journalism can be classified into Print Journalism and Electronic Journalism.

In both Print and Electronic media, Journalists take up a range of functions such as reporting, writing, editing, photography, broadcasting or cable casting of news items. They also specialize in different areas of reporting such as Politics, Economics and Finance, Sports, Environment, Arts and Culture and so on.

Some of the tasks that Journalists do as part of their job:
· Interview key people for news stories
· Write news reports and present opinions about current events
· Design page layouts on websites and newspapers
· Edit reports contributed by writers from remote locations
· Create catchy headlines and attractive visuals to support various news stories
· Proof read all content for factual or grammatical errors

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. A. in Journalism
· B. A. in Journalism & Mass Communication
· Diploma in Journalism
· Diploma in Journalism & Mass Communication

Postgraduate courses
· M. A. in Journalism and Mass Communication
· PGDJ (Post Graduate Diploma in Journalism)
· Diploma courses in Journalism and Mass Communication
· M. Sc.| M.A. in Mass Communication
· M. A. in Media Studies|Communication Studies|Journalism

Eligibility and Admission process to courses

· Class XII completed
· Selection in the entrance test and personal interview for entry into the top Journalism colleges

Aptitude and Skills needed

· Strong written and verbal communication skills (English or other Indian languages)
· Updated on current affairs
· Good listening and observation
· Ability to work to deadlines

INDUSTRY GROWTH AND CAREER PROSPECTS

In recent years with the growth of the internet, cable TV and social networking sites, journalism has undergone a sea change. People today consume news in new and different ways – on Television, on websites and their cell phones.

The print media in India is projected to grow at 8% and is forecast to touch Rs 387 billion in 2019.While newspapers across the world are struggling to survive, Indian print media is on a growth mode because of the growing demand for regional language publications. Regional language journalists are in great demand in India. India also records the fastest growth in internet usage and mobile phone penetration.

Journalists skilled in web journalism and digital media will also find career opportunities in the country.

JOB OPPORTUNITIES

Government jobs
· Writers and Editors at Various Government Official Websites and Portals
· Correspondents for Government electronic Media such as Doordarshan and All India Radio
· Journalists to manage the Government's social media presence, press releases etc.

Educational sector
· Associate Professors at Colleges that offer Journalism courses

Self employed
· Independent columnists or writers contributing to various newspapers or magazines

STRIKE AGAIN
Roll back price hike

Private Sector
· Correspondents, Reporters, Copy Editors, Associate Editors, Sub-Editors and Editors, Feature Writers, Columnists, Photojournalists and Cartoonists with Private newspapers, magazines and journal
· Researchers, Production teams, Reporters, Presenters and Anchors, Camera and Sound Technicians with Private Television and Radio Channels
· Content Writers and Editors on News Websites
· National and International News Agencies, News Networks

Work hours and day/night shifts: Variable work hours | Night and Day shifts

Lawyer

Overview:

A career in law involves providing advice or consultancy in matters pertaining to application of law, regulations and rules to individuals and businesses. Career options available today to graduates with Law degree go beyond being a Lawyer in a courtroom. Career options are available in –

Civil Lawyer: Work on behalf of private clients, businesses or government entities to resolve disputes and legal issues pertaining to people, relationships and property.

Criminal Lawyer: Public Prosecutor in the Indian Judiciary System: Represents the State (people of the State) and conducts the prosecution on behalf of the State in the court in an impartial manner.

Corporate Counsel: Proactively identifying legal issues in all departments and advising business on possible recourse, on matters relating to Taxation, Product Claims, Intellectual Property, Labour Law, etc.

Judicial Clerkship: Assist Judges in conducting research on legal issues that come up before the court and in case writing.

Legal Process Outsourcing: Provide legal support services to companies.

Social Work: Provide legal assistance to the needy and under-privileged through a non-profit agency or as an individual, on matters such as human rights, child rights, Women's rights, environmental rights.

EDUCATION AND ELIGIBILITY:

Undergraduate and Post-graduate courses:
Students finishing PUC or 12th Standard who have decided to pursue a career in Law, can pursue the 5-year integrated degree BA.LLB or BBA.LLB degrees. Students who want to explore other options after 12th standard, can pursue a career in law by doing the 3-year LLB as a PG degree.

Entrance Exams:
UG
CLAT- Common Law Admission Test for admission into 21 National Law Universities and other institutes in India; AILET- Conducted exclusively for National Law University, Delhi.

Other entrance exams conducted by Private Law Schools:
· SET (Symbiosis Entrance Test for Symbiosis Law School in Pune,
· BHU-UET- Banaras Hindu University Undergraduate Entrance Test

PG
· Delhi University Law Entrance Exams by Faculty of Law Department of Delhi University for PG admissions to LLB and LLM

Eligibility and Admission Process to courses:
Undergraduate Course: BA.LLB/ BBA. LLB: PUC/10+2 completion with 45% marks in PUC/12thstandard

Postgraduate Course: LLB:
Graduate in any discipline with minimum 40% marks

AIBE: All India Bar Exam is a national level entrance examination conducted by Bar Council of India (BCI) to assess capability of an advocate to practice law in India. Candidates should be Indian nationals and must have passed 3 years or 5 years LL.B. degree. No minimum percentage is required in the qualifying examination in order to apply for AIBE. Enrollment with State Bar Council is required and there is no age limit and no limit on the number of attempts for AIBE.

APTITUDE AND SKILLS NEEDED:

· Knowledge of laws, legal codes, court procedures, precedents, Government rules and regulations.

· Strong Communication: Speaking: Ability to present arguments and information clearly and effectively. Ability to reconcile parties through negotiation and persuasion by speaking. **Listening:** Ability to listen to clients closely and patiently to understand empathetically. Writing: Ability to write clearly and as per legal language practices.

· Willingness to work long hours and undertake long hours of study of cases and legal articles.

· Judgment and Decision Making – Ability to impartially consider all facts and facets of the case and courage to make the right decision as per Law and Precedence.

JOB OPPORTUNITIES

- Position of lawyer, law/judiciary clerk, Court Librarians in high Courts, District Courts, Magistrates and Civil Judge (Junior Division). Some states welcome applicants with LLB degree and work experience for Assistant Commissioner roles.

- Member of Legal counsel/consultant team in any of the Nationalized banks, Development agencies such as National Bank For Agriculture And Rural Development (NABARD), National Agricultural Cooperative Marketing Federation (NAFED), and many more.

- National Bank For Agriculture And Rural Development (NABARD), National Agricultural Cooperative Marketing Federation

Lawyer

Private:
Member of Legal counsel team in businesses- including commercial contracts specialists, corporate and competition law compliance and reporting specialist, Labour Law specialist for employee grievance cases.
Legal process outsourcing is emerging as a field as companies are outsourcing work of paralegals and attorneys to LPO companies in India. These companies provide services such as drafting legal documents, reviewing contracts, general litigation support, and legal research and due diligence. Also, with lot of startups coming up in India, there is a career emerging in the startup law specialization.

Education:
Professor of Law in Law Schools and Universities

Self Employed:
In towns of India, lot of stand-alone lawyers provide legal advise and litigation support to individuals without being associated with larger firms.

In urban India, many experienced lawyers are now starting their own advisory companies breaking away from larger firms' rigidness. This is still a new trend in India.
Work hours and day/ night shifts: Long hours of reading and writing | Visits to client location and courts
Industry Growth and Career Prospects:
Another significant trend in India's legal market has been law firms positioning themselves to cater to startup companies.

Colleges for Undergraduate Degree BA/LLB (5 year) and corresponding entrance tests:
14 National Law Schools/Universities (CLAT)
National Law University, Delhi (AILET)
Over 40 Law Schools (LSAT India)
Symbiosis Law Schools Pune & Noida (SET)
Faculty of Law, Jamia Millia Islamia
Colleges for Post-graduate Degrees for LLB (3-year) and corresponding entrance tests:
Faculty of Law- Law Centre I & II and Campus Law Centre (Delhi University LLB Entrance Test)
Department of Law, PU Chandigarh (Punjab University Entrance Test)
Rajeev Gandhi School of Intellectual Property Law, IIT Kharagpur (LSAT & own test)
Law School, Faculty of Law Benaras Banaras Hindu University (BHU- UET)

Marketing is a very vital business function focused on enhancing consumers' perception of products and services and persuading them to buy these. It is very closely linked to Sales but is a far broader concept. Sales involves just the actual transaction of selling the product or service. Marketing, on the other hand, covers everything from identifying customer needs through Market Research, Product Development, Advertisement and Promotions. It also focuses on decisions such as pricing, promotion and distribution channels for the product. In fact, Marketing covers the 4 Ps of a business –Product, Price, Placement and Promotion.

Marketing professionals may be responsible for the Marketing of several Services or Products, or may be in charge of a single Product. They develop Marketing Campaigns to promote a product, service or idea. It is a varied role that includes Market Research, Product Development, Planning, Advertising, Public Relations, Event Organization, and Distribution.
Digital Marketing, Social Media Marketing and Telemarketing are some of the specialized areas under Marketing.

Some of the tasks Marketing Professionals do include:
· Plan and execute marketing Campaigns
· Interact with Advertising Agencies to create advertisements, posters and banners
· Conduct Trade Shows and Marketing events
· Develop the Brand Name and Logo for the product
· Decide the Product's key selling features and highlight them in the market
· Create Promotional merchandise for the product such as caps, t-shirts or mugs

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. B. A with specialization in Marketing
· B. A | B. Com | B. Sc. in any Discipline
· Diploma or Certificate courses in Marketing and Advertising

For the top jobs, a Management degree in Marketing is a must.

Postgraduate courses

· PG Diploma/ M. B. A with specialization in Marketing Management

Eligibility and Admission process to courses

· Class XII completed
· Selection in entrance tests to BBA and MBAcourses

Aptitude and Skills needed

· Sound Understanding of Marketing Principles
· Ability to Analyze and Apply Market Data
· Excellent Communication Skills
· Strong Interpersonal Skills
· Creativity and Innovative thinking
· Persuasive powers
· Ability to work under pressure
· Time Management

INDUSTRY GROWTH AND CAREER PROSPECTS

As competition becomes tougher and newer products flood the market, Marketing is critical to differentiate or set a product apart in the buyers' minds as compared to competitor products. Like Sales, Marketing professionals are in high demand across all industries at all times. However, entry into these jobs is based on qualifications and experience, unlike in Sales where entry level jobs are plentiful. A Management degree in Marketing is almost a must to make a good start here.
Even so, competition is high and you have to be extremely motivated and hard working to rise in this area.

JOB OPPORTUNITIES

Government jobs
· Government Public Sector units
· Governmentowned Banks and Financial Institutions

Private Sector
· Private banks and Finance companies
· Mutual Funds
· Investment Banks
· Insurance Companies

Educational sector
· Lecturers or Associate Professors of Marketing Management at some of the leading Institutes and Colleges in India

Self employed
· Independent Marketing | Brand Communication Consultants who work on contract with Corporate Clients
· Set up your own Public Relations or Advertising Firms

Work hours and day/night shifts:
Fixed hours with plenty of overtime| Day shifts

65

Mechanical Engineer | Engineering (Technical)

Mechanical Engineering is a branch of Engineering that deals with the design and production of tools, machines and mechanical systems used in industries. Mechanical Engineers take care of all types of machinery and their functioning. They research, design and develop machine tools and components and oversee their installation, operation and maintenance in companies.

Mechanical Engineering has many branches as Automobile Engineering, Thermal Engineering, Product Design and Development, Computer Integrated Manufacturing, Manufacturing Engineering, Material Technology, Energy Engineering & Management and Mechatronics Engineering to name a few.

Some of the tasks Mechanical Engineers do include:
· Draft technical drawings using CAD (Computer Aided Design) Software
· Supervise the manufacturing of mechanical components and machine parts
· Test the functioning of different machines and their components to ensure they work smoothly
· Install machines and supervise their functioning

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.E|B.Tech in Mechanical Engineering | Mechanical and Automation Engineering
· AMIE offered by the Institution of Engineers (India)
· D.M.E (Diploma in Mechanical Engineering)

Postgraduate courses
· M.E | M. Tech in Mechanical Engineering | Energy System and Pollution|Refrigeration and Air Conditioning|Energy Management
· PG Diploma in Mechanical Engineering
· Ph. D. in areas related to Mechanical Engineering

Eligibility and Admission process to courses
· Class XII completed with Math & Science
· Selection in the entrance test to B. E or B. Tech at top colleges and Universities

Aptitude and Skills needed
· Design skills
· Passion for machines and technical subjects
· Communication skills to present technical information
· Conceptual knowledge on areas such as mechanics, thermodynamics etc.
· Endurance in tough environments such as factories and manufacturing units

INDUSTRY GROWTH AND CAREER PROSPECTS

Since machine tools and mechanized systems and processes are a part of almost all industrial activity, Mechanical Engineers play a vital role in industries as varied as aerospace, automotive, construction and energy to manufacturing, medicine and sport.
However, India has a unique situation of producing more Engineering graduates in a year than most other countries. It is a situation of an excess of supply over demand. Most companies recruiting Mechanical Engineers look for experienced candidates.
Those hiring fresh Mechanical Engineering graduates usually go through campus placement and are very selective in picking the best of the lot. Job seekers have to work on areas such as communication, IT skills and other technical areas to corner good jobs in a crowded job market.

JOB OPPORTUNITIES

Government jobs
· Government Public Sector Units such as ONGC (Oil & Natural Gas Corporation), SAIL (Steel Authority of India), NTPC (National Thermal Power Corporation) and IOC (Indian Oil Corporation)
· Government Space Research Organizations such as DRDO (Defence Research and Development Organization), VSSC (Vikram Sarabhai Space Center), ISRO (Indian Space Research Organisation)
· Aeronautical industry such as HAL (Hindustan Aeronautics Limited)
· Technical division of Armed Forces

Educational sector
· Lecturers and Assistant Professors of Mechanical Engineering & related subjects in colleges and Universities

Self employed
· Consultants to Private Sector companies and businesses
· Entrepreneurs who set up units to manufacture machine components, tools and so on.

Private Sector
· Automobiles
· Energy and utilities
· Air conditioning and refrigeration plants
· Bio-mechanical industries
· Private Aviation and Aerospace industry
· Shipping industry
· Large manufacturing plants
· Turbine manufacturing plants
· Private Oil and Gas companies and Refineries
· Agricultural sector

Work hours and day/night shifts:
Variable hours | Day and Night shifts

Medical Laboratory Technology (MLT) is a branch of health care that is concerned with clinical laboratory testing of patients' fluids, tissue and blood samples. These tests help doctors to prevent, detect, diagnose and treat diseases.

As a Medical Laboratory Technologist (MLT)professional you will be trained to collect patient samples of blood, tissue, stools, etc., and to label, store and conduct specific tests on these samples. Lab Technologists are experienced in operating lab equipment, collecting patient information, sampling, testing and preparing the final reports.

There are two categories of workers under this field – Lab Technologists and Lab Technicians. Lab technologists have more training and responsibilities and work independently on complex tests and procedures in a laboratory. Lab Technicians, on the other hand, work under the supervision of Lab Technologists or Doctors. They are involved with more routine jobs such as running simple tests, preparing specimen, and setting up, cleaning and maintenance of laboratory equipment.

Some of the tasks that Laboratory Technology workers do:
· Speak reassuringly to patients while drawing blood or tissue samples
· Microscopic examination of blood, body tissue & other fluids
· Match blood groups for transfusions
· Create a safe, infection-free environment
· Performing diagnostic procedures

EDUCATION & ELIGIBILITY

Educational Requirements

· B.Sc.-M.L.T (Medical Laboratory Technology)

· D.M.L.T (Diploma in Medical Laboratory Technology)
· B.M.L.T (Bachelor of Medical Laboratory Technology)
· General Diploma / Certificate courses for Lab Technicians
· Specialized Diplomas for Lab Technicians i.e., Lab Technician (EEG), Lab Technician (Histopathology) and so on

Eligibility and Admission process to courses

· Class XII completed with Science

Aptitude and Skills needed

· Attention to detail
· Speed and accuracy in performing tasks
· Effective communication skills to interact with patients, doctors and nurses
· Cognitive skills to to interpret technical/scientific data and analyze information
· Knowledge of laboratory equipment
· Open to handling patient samples (blood, urine, feces and bodily fluids)
· Patience, ability to handle stress, positive attitude and calm disposition

INDUSTRY GROWTH AND CAREER PROSPECTS

The Healthcare Industry in India is one of the fastest growing sectors in the country. By 2020 we are expected to be one of the world's top healthcare markets. More hospitals and healthcare centers are coming up and many states are starting the concept of mobile medical laboratories to service patients at their doorstep.
The need for trained Medical Laboratory professionals is increasing sharply with these developments.

JOB OPPORTUNITIES

Government jobs
· Lab Technologist or Technicians in Public Health centers and Government hospitals
· Supervisors/ Health Care Administrators at Government research institutes such as National Institute of Plant Genome Research (NIPGR), National Aids Research Institute (NARI) etc.
· National healthcare research bodies

Educational sector
· Instructors, Lecturers of Medical Technology at Colleges and Institutes

Research
· Project heads/ Consultants/ team members at various private research bodies in the field of healthcare research

Private sector
· Medical Lab Technician or Lab Assistant in Private hospitals, Nursing Homes
· Blood Banks
· Diagnostic laboratories and clinics
· Sales/Manufacturing roles with Private research & Medical Equipment Manufacturers
· Laboratory Managers/ Supervisors/ coordinators at private clinics and hospital laboratories, private diagnostic centers and pathology labs

Work hours and day/night shifts:
Fixed work hours, Day job

The Merchant Navy refers to commercial ships that transport cargo from one country to the other.

One of the main functions in the Merchant navy is that of the Marine Engineer.

Marine engineers are responsible for the operation, maintenance and repair of all major mechanical and engineering equipment on board a ship.

Some of the tasks that Marine Engineers perform include:
· Managing the smooth functioning of the ship's engine room
· Selecting the ship's machinery such as steam turbines, gas turbines and diesel engines
· Design and maintain the ship's mechanical, electrical, fluid and control systems throughout the vessel

EDUCATION & ELIGIBILITY
Educational Requirements

· B. E. / B. Tech in Mechanical Engineering / Mechanical & Automation Engineering / Naval Architecture or equivalent
· Pre-sea Marine Engineering Degree course (4 years)
· Pre-sea Training for Mechanical Graduate Engineering (1 year)
· Pre-sea Training for Diploma holders (2 years)

Eligibility and Admission process to courses

· Class XII completed with Math & Science
· All India test and personal interview
· Medical test

Aptitude and Skills needed

· Strong mechanical engineering skills
· Normal vision
· Attention to detail
· Ability to follow safety guidelines, rules and regulations
· Cognitive skills – not people skills

INDUSTRY GROWTH AND CAREER PROSPECTS

The demand for Marine Engineers in public and private shipping companies has risen sharply, with the increase in international global sea traffic.

JOB OPPORTUNITIES

Government jobs

· Shipping Corporation of India
· Indian Navy

Private Sector

· Engine production firms
· Ship design and ship building firms
· Architectural and engineering services
· Consultancy practice for many IT firms
· Construction companies
· Power sector
· Steel industry
· Electronics industry

Educational sector

· Teaching at the various levels of Marine Engineering courses

Work hours and day/night shifts: Frequent over time | Both day and night shifts

Meteorologist | Environmental Science

Meteorology is the study of various aspects of our atmosphere for predicting climate and weather conditions. It also studies the effect of weather on environmental processes, human life and economy.

Meteorologists (also known as Climatologists) observe and record information regarding the atmosphere including temperature, humidity, rainfall, winds and pressure. They use equipment such as anemometer, rain gauge and barometer and the assistance of satellites to measure and assess atmospheric conditions and forecast the weather.

There are many specializations in Meteorology including Climatology, Synoptic Meteorology, Agricultural, Applied and Satellite Meteorology and so on.

Some of the tasks that Meteorologists do as part of their job:
· Interpret data collected from weather satellites, radar and remote sensors
· Predict cyclones, dust storms, heavy rains and heat waves with details of intensity and speed
· Offer advice on renewable energy sources to industries and the power sector
· Release weather briefs for agriculturists, aviators, shipping & marine sectors, media and general public

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. Tech in Meteorology | Atmospheric Sciences
· B. Sc. in Meteorology
· Diploma in Meteorology and Atmospheric Sciences

Postgraduate courses

· M. Sc. in Meteorology | Satellite Meteorology | Weather I Informatics |Agricultural Meteorology|
· Ph. D. in Earth Sciences| Astrophysics| Atmospheric Sciences|

Eligibility and Admission process to courses

· Class XII completed with Science

Aptitude and Skills needed

· Aptitude for Math, Physics, Chemistry and Atmospheric Sciences
· Keen interest in nature, atmosphere and weather
· Strong analytical and data interpretation skills
· Communication skills to convey findings of various studies

INDUSTRY GROWTH AND CAREER PROSPECTS

Agriculture, Shipping, Aviation and Marine industries are some of the sectors that are dependent on accurate weather forecasting for their functioning. As climate change, pollution and environmental conservation become focus areas for Governments worldwide, the importance of Meteorology is set to go up.
India is a largely agricultural economy and is hugely dependent on weather for good harvests. Trained and experienced Meteorologists are particularly important in a country like ours. Job prospects for well trained Meteorologists is high in private as well as public sector.

JOB OPPORTUNITIES

Government jobs

· Weather Broadcasting Stations and Services
· Government Agencies such as IMD (Indian Meteorological Department), National Centre for Medium Range Weather Forecasting, Indian Institute of Tropical Meteorology, National Remote Sensing Agency, ONGC (Oil and Natural Gas Commission)and so on
· Indian Air Force and Indian Navy

Research

· Research Centers such as DRDO (Defense Research & Development Organization), ISRO (Indian Space Research Organization), Weather Research Facilities etc.

Private Sector

· Energy Companies including Petroleum, Hydroelectric Power etc.
· Oil and Gas exploration sector
· Radio and Television Channels
· Private Airlines
· Environmental Agencies
· Shipping firms
· Large Agriculturists and Farm-based Corporations

Educational sector

· Associate Professors teaching Meteorology at Colleges and Institutes

Work hours and day/night shifts:
Variable work hours | Day and Night shift

Mining Engineering is a branch of Environmental Science that studies the techniques to extract and process minerals from their natural environment causing as little harm to the environment as possible. This includes the extraction of various energy sources such as solid fuels, coal, petroleum, as well as metallic and non-metallic ores.

Mining Engineers are trained in the various techniques and technologies related to mining such as exploration, feasibility study, production, transportation and marketing of minerals. They have specialized knowledge in the maintenance of mines as well as the restoration and rehabilitation of land used for mining.

Some of the tasks that Mining Engineers do:
· Plan, design and construct mines, tunnels and shafts for underground operations
· Ensure safety, ventilation, water supply, power, communication and cooling in the mines
· Ensure timely equipment maintenance
· Segregate and transport minerals after extraction
· Ensure that mines are environmental safe
· Interact with Geologists and Civil, Mechanical, Metallurgical and Industrial Engineers

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. E or B. Tech. in Mining Engineering
· Diploma in Mining and Mine Surveying Engineering

Postgraduate courses

· M. Tech in Mining Engineering
· Post Graduate Diploma in Mineral Engineering
· Ph. D in Mining Engineering

Eligibility and Admission process to courses

· Class XII completed with Math & Science
· Selection in the entrance test and personal interview for entry into the top Engineering colleges
· Selection in the entrance test & Interview at Public Sector Units

Aptitude and Skills needed

· Aptitude for math and science
· Ability to work in harsh and outdoor conditions
· Leadership and Teamwork
· Strong problem solving abilities
· Updated on latest technologies and environmental conservation methods

INDUSTRY GROWTH AND CAREER PROSPECTS

In a non-oil producing country like India, mining is of great importance. As the country grows, it is always in search of alternative sources of energy for its development plans. In the coming years, India requires more Mining Engineers in order to face scarcity of natural resources.
It is comparatively difficult to get a position as a Mining Engineer as this field has become highly competitive nowadays.
Most professionals in this field work either in core Mining sector or in related fields such as Petroleum and Oil companies, Construction, Waste Management, Environmental Conservation etc.
There is also a high demand for Mining Engineers in the oil producing countries like Saudi Arabia, Kuwait, UAE/Dubai, and Qatar.

JOB OPPORTUNITIES

Government jobs

· Government and Public Sector Organizations such as The Indian Bureau of Mines, GSI (Geological Survey of India), CIL (Coal India Ltd), IPCL (Indian Petrochemicals Corporation Ltd), SAIL (Steel Authority of India Ltd), etc.

Private Sector

· Iron and Steel Manufacturing Companies in the Private Sector
· Private Mining and Mineral Exploration companies
· Explosive Manufacturers
· Mining Equipment manufacturers
· Builders and Construction Companies

Educational sector

· Professors and Instructors at Colleges and Institutes that offer Mining Engineering

Work hours and day/night shifts:
Variable work hours depending upon projects, Day and Night shifts

Member of Legislative Assembly (MLA) is an elected representative of the electoral district to the Legislative Assembly of the State. These are the direct representatives of the general public of the particular constituency and are elected on the basis of adult voting.
He/She represents the people of the said constituency in the assembly and caters to the matters concerning the constituency

Member of Parliament (MP) refers to persons who serve in the Parliament of India. The President, the Lok Sabha and Rajya Sabha, together constitute the Parliament of India.
So, as the name signifies, the elected or nominated members of either of the two chambers are known as Member of Parliament. MP works on behalf of the constituency, state or union territory he/she is representing.
Being a custodian of rights of people and their benefits, they can question and debate over the legislation proposed by the Government.

MP of Lok Sabha represents people to the Lok Sabha and who are chosen by direct elections, based on the universal adult franchise, whereas the MP of Rajya Sabha represents states, and chosen indirectly by the Members of Legislative Assembly.

ELIGIBILITY

To qualify as Member of Parliament (MP), a person should be:
· A citizen of India
· Have attained the age of 25 years.
· A voter from any parliamentary constituency.
· Independent candidate needs 10 proposers.
· Candidate of a well-known party, requires one proposer, for the purpose of nomination.

The qualifications needed to be elected as Member of the Legislative Assembly (MLA) are the following:
· A person must be a citizen of India.
· A person must not be less than 25 years of age.
· A person must be an elector for any Legislative Assembly constituency in that state according to the Representation of the People Act, 1951.
· A person must not hold any office of profit under the Government of India or the Government of any state other than that of a Minister for the Indian Union.
· A person must be of a sound mind.
· According to the Representation of the People Act, 1951, a person cannot remain an MLA if that person has been convicted by a court or found guilty in any particular instance.

Basis for Comparison	MLA	MP
Meaning	MLA is the elected member of the legislative assembly, who represent people of the specified constituency.	MP is the elected or nominated member of either of the two houses of Parliament, who work on behalf of the constituency, state or union territory he/she is representing.
Election	MLAs are elected by the voters of a constituency.	MPs of Lok Sabha are directly elected by the public, but MPs of Rajya Sabha are indirectly chosen by the members of Legislative Assembly.
Constituency	Assembly Constituency	Parliamentary Constituency
Works at	State Level	Country Level

Aptitude and Skills needed

· Honesty and Integrity
· Confidence
· Inspire Others
· Commitment and Passion
· Good Communicator
· Decision Making Capabilities
· Accountability
· Delegation and Empowerment
· Empathy

CAREER PROSPECTS

As a people's leader, this is the one of the highest position one can hold in the country. With great power comes great responsibility.

Those who want to bring about a change in the society, those who want to serve the people and want to help the country scale greater heights should consider political leadership roles.

Being an MLA or MP gives you the opportunity to stop complaining about what is not there in the country and start bringing in the required changes.

Work hours and day/night shifts:
Fixed hours with overtimes; Emergencies

If the history fascinates you and you enjoy working with artifacts from the distant past, you may find a career in Museology interesting.

Museology or Museum Studies is focused on the organizing and management of Museums and Museum Collections. Museologists (or Curators) are responsible for identifying, examining and preserving objects of scientific, artistic or historical importance for display in these Museums. They often travel widely to procure artifacts, restore and preserve them and arrange for exhibitions to showcase them.

Various other aspects of Museum management such as documentation and research, archives, accounting, public relations, exhibition design,Museum security and administration are also part of the Museologist's job.

Some of the tasks Museologists or Curators undertake include:
· Organize the display of artifacts in museums
· Organize exhibitions by choosing display items, labelling and arranging them
· Purchase rare and new collections for museum
· Catalogue, classify and arrange artifacts
· Maintain a record of the origin, age and conservation details of each piece
· Arrange for restoration of damaged artifacts
· Ensure security and safety of the Museum

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.A. in Fine Art|History| Art History|
· B. Sc. in Science
· B. A. in Museology or Curatorship
· B.A. in Museum and Curatorial Studies

Postgraduate courses
· M.A. in Museology
· M.A. in Art|Art History|Museum and Curatorial Studies
· PG Diploma in Archives and Documentation & Management | Museology
· PG Diploma in Modern & Contemporary Indian Art & Curatorial Studies
· Ph. D. in related disciplines

Eligibility and Admission process to courses

· Class XII completed

Aptitude and Skills needed

· Appreciation for art and artifacts
· Interest in history, culture, archeology etc
· Dedication and patience
· Research oriented
· Communication skills
· Willingness to travel for field work and collection of artifacts

INDUSTRY GROWTH AND CAREER PROSPECTS

Despite India having a rich history, the country's many Government and Private Museums are not very well maintained. The employment of trained Museologists or Curators is also not very prevalent in India. Persons qualified in related fields such as Archeology, History, Library Sciences and Fine Arts usually do the job of Museum Management. Museology as a discipline of study is also not widely available in colleges and where available has few takers.

There has been renewed interest by the Government and public in preserving and showcasing our History and Culture. Besides, moving away from Natural History or Art Museums, now there are Museums in India specialized in areas such as Numismatics (study or collection of currency),Textiles, Archaeology, Science and Technology, Maritime history and War Museums. It is expected that in the coming years, there will be a demand for trained Museologists and Curators to fill the jobs that come up. However, passion for the field will be a valuable asset for candidates looking to make a career in this niche area where jobs are few and far apart.

JOB OPPORTUNITIES

Government jobs

· National and State level Museums
· ASI (Archaeological Survey of India)
· INTACH (Indian National Trust for Art and Cultural Heritage)

Private Sector

· Art, history, archaeology, textile and numismatic societies
· Private foundations
· Private Museums

Educational sector

· Lecturers and Associate Professors of Museology & Curatorship courses

Research

· Research in Museum Studies, Conservation, Restoration and associated fields

Work hours and day/night shifts:
Fixed hours | Day shifts

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Oceanographer | Earth Science

The oceans and seas have a great impact on our earth, its atmosphere and all living organisms on it. Oceanography is an earth science that studies the seas to understand how they affect our planet and lives. This field covers the study of coastlines, coastal waters, ocean currents and waves, the ocean bed and its geological aspects, marine organisms and the entire ocean ecosystem.

Oceanographers spend long periods on the sea, conducting research in fields such as marine biology, geological oceanography, physical oceanography and chemical oceanography.

Here are some tasks oceanographers do:
· Taking satellite measurements to track ocean conditions
· Investigating deep-sea habitats and life-forms
· Collecting samples of ocean beds, sediments, marine life etc.
· Conducting surveys and analyze data using sophisticated equipment
· Studying the motion and circulation of the ocean waters, their physical and chemical properties
· Preparing reports on the effects of the sea on climate, marine life, natural calamities etc.

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Zoology / Botany / Chemistry / Fishery Science / Earth Science / Physics / Agriculture / Microbiology / Applied Sciences or in any other equivalent disciplines

Postgraduate courses
· M. Sc. in Oceanography/ Marine Biology / Oceanography and coastal area study/ Ocean lifesciences
· M. Tech (Master of Technology) in Ocean Engineering/ Ocean technology

Those interested in career advancement can also pursue
· M. Phil in Marine Biology | Chemical Oceanography
· PhD (Oceanography)

Eligibility and Selection process to jobs
· M. Sc. is a minimum criterion for most jobs in this field
· Selection in Government recruitment process
· Selection in UPSC for some Government posts

Aptitude and Skills needed
· A keen interest and love for the ocean
· Ability to withstand long hours on the seas or oceans
· Cognitive and analytical skills for intense research
· Co-operative nature to work in a team
· Knowledge of swimming and diving

INDUSTRY GROWTH AND CAREER PROSPECTS

A career in oceanography is significant as the world tries to harness resources from the sea and cope with environmental changes. Despite this, making a career in this field is challenging,
The roles are highly specialized, job opportunities are not aplenty and there is tough competition.

JOB OPPORTUNITIES

Government jobs

· Project Associates at the National Institute of Oceanography (NIO)
· Employees at Government agencies like Central Marine Fisheries Research Institute (CMFRI), Indian Institute Of Tropical Meteorology (IITM), Geological Survey of India (GSI), Central Ground Water Board (CGWB), Coal India, Mineral Exploration Authority, Oil & Natural Gas Corporation (ONGC) etc.

Research

· Research Agencies
· Research Departments of companies that are in marine trade, shipping, oil exploration, medical science, food and drug industries

Private Sector

· Geophysicist, Hydrographer, Oceanographer at various multinational organizations
· Mining Engineer at private companies engaged into oil & mineral exploration
· Environmental Scientist at environmental conservation bodies and not-for-profit agencies
· Private Museums, Science Centres and Marine Sanctuaries
· Science journalists

Educational sector

· Associate Professors and lecturers of Oceanography (who pursue research alongside teaching)

Work hours and day/night shifts: Mostly research oriented work, so no fixed timings.

Nursing is a profession that focuses on assisting doctors and providing additional care and service to the patients, helping them recover and getting back to optimal health.

The nurse's task is just as important as a doctor's in caring for the patients. Nurses usually help the doctors by making sure the medications are administered on time, either orally or through IV. They monitor the patient's vitals and usually are the primary persons to give first aid in the absence of a doctor.

They are always available to the patient to make sure that the patients recover well, and always are the first to help when the patient has any discomfort. They also assist the patient by caring for them and providing the right kind of attitude for a faster recovery. Nurses are also stationed in operation theaters where they assist the doctor and prepare the patient before the surgery.

Some tasks involved in nursing are listed below:
· Providing first aid
· Checking for vitals. For example, blood sugar and blood pressure
· Administrating medications
· Perform diagnostic tests
· Educate patients about the illness and management
· Maintain patient records
· Providing advice and emotional support to patients and their family members.

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses
· Diploma in Nursing (General nursing and midwifery)
· BSc. Nursing

A Diploma is sufficient to get work in hospitals, but most employers prefer a Bachelor's degree.

Postgraduate courses
· MSc. Nursing
· Eligibility and Admission process to course
· Class XII completed with science
· Post Basic Certification in specialized areas (can be done after bachelors, diploma or masters)

Eligibility and Admission process to courses

· Class XII completed with science
· For General Nursing Class XII completed with Science
· For Auxiliary Nurse Midwife 10th Pass

Aptitude and Skills needed

· Need to be compassionate
· Critical thinking
· Ability to work with a team
· Mental alertness
· Communication

INDUSTRY GROWTH AND CAREER PROSPECTS

The health care industry is growing and there is an increase in general awareness about well-being and health risks as well. There is always a need for doctors and nurses. Job opportunities are plenty for nurses.

They can work in hospitals- government or private, under several departments like neonatal, operation theater, post- operative career palliative care wards. They work in diagnostics centers or private practice clinics too.
Nurses also find employment an army or navy nurse or even in schools or offices. They can also pursue a higher degree and work as a lecturer.

JOB OPPORTUNITIES
Government Jobs

· Government Hospitals
· Defence Hospitals

Private Sector

· Private hospitals and Clinics
· Diagnostic Centres
· Schools and offices
· Old age home
· Nursing homes

Educational Sector

· Lecturer in colleges

Work hours and day/night shifts: Fixed hours with overtimes/ night and day shifts

Pharmacy is the branch of science that is concerned with the discovery, development, production, and distribution of pharmaceutical drugs used for diagnosing and treating diseases.

In their earliest role, pharmacists were responsible for the preparation and dispensing of medication in hospitals and retail medical stores. Today highly qualified and trained pharmacy professionals are required to take care of a range of other functions besides making drugs. These include the monitoring drug production processes, quality control, clinical testing of the effect of drugs on patients and obtaining legal licenses for drugs from Government authorities.

Here are some tasks that are performed depending on the pharmacist's role:
· Drug Inspectors check the quality of drugs produced
· Sales Executives promote and market new drugs in hospitals
· Hospital Pharmacists manage and dispense medicines as per physician's prescriptions
· Drug Technicians or Researchers develop new drugs
· Industrial pharmacists carry out clinical trials of new drugs to study its effects on patients

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· D. Pharm (Diploma in Pharmacy)
· B. Pharm (Bachelor of Pharmacy)

Postgraduate courses
· M.Pharm (Master of Pharmacy)
· Ph.D

Eligibility and Admission process to courses

· Class XII completed with science
· Selection through entrance test for admission into B. Pharm at top universities

Aptitude and Skills needed

· Interest in pharmaceutical drugs, their composition, chemical and physical properties, uses, and effects on health
· Keeping up with the latest research in the pharmaceutical industry
· Good communication skills for interacting with doctors, nurses and patients and making sales calls
· Highly responsible while handling, prescribing and testing drugs
· Attention to detail
· Ability to strictly follow instructions, health and safety regulations

INDUSTRY GROWTH AND CAREER PROSPECTS

Job opportunities are very high in the field. India's strong pharmaceutical industry specializes in low-cost manufacturing and exports of pharmaceutical drugs to many countries.
With increased healthcare needs of an older population and growing exports, more effective drugs are being manufactured and there is a shortage of trained pharmacists in India.

JOB OPPORTUNITIES

Government jobs
· Pharmacist in a government hospitals and Central Government Health Service (CGHS)
· Drug inspector in Food and Drug Administration department
· Directors, Commissioner of Food Safety, Food Analyst and Scientists at Food Safety and Standards Authority of India (FSSAI)

Educational sector
· Lecturer in colleges and institutes teaching pharmacy courses

Self-employed
· Consultants to pharmaceutical and drug manufacturing companies
· Owner of medical stores, pharmacy stores, drug research laboratories

Research
· Scientist or Research Assistant in universities, private companies & labs

Private sector
· Pharmacist in private hospitals, retail stores
· Manufacturing Chemist, Drug Quality Control experts, Analysts in pharmaceutical companies, laboratories & cosmetics companies, Ayurveda & Naturopathy
· Sales and Marketing roles in large pharmaceutical companies Chemical/ Drug Technician in Biotechnology industries

Work hours and day/night shifts:
Fixed work hours, Day job

Photography is the art of capturing important, memorable or scenic moments and scenes through a photographic lens. It involves the use of specialized cameras to suit the situation and requires knowledge about lighting, filters, editing and production of the photographs clicked.

This field was earlier considered just a hobby. However, with the growth in digital and online media, there is a need for eye-catching visuals to go with all types of online content. Photography has become a full-time job option opening up avenues to many interesting career opportunities.

There are different kinds of Photographers such as Photo Journalists and Feature, Wedding, Wildlife, Forensic, Sports and Science Photographers to name a few.

Some of the tasks that photographers do as part of their job:
· Capture newsworthy events for newspapers and journals
· Set up props and lights for commercial photography shoots
· Travel to forests and sanctuaries to photograph animals and birds in their natural habitats
· Work with a wide range of equipment, adjusting apertures, shutter speeds and camera focus
· Interact with graphic designers, researchers, art directors etc
· Apply software for editing, cropping, changing emphasis

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.F.A. (Bachelor of Fine Arts) with specialization in Photography
· B.A. in Media and Communication with Photography
· B. Sc. in Photography and Cinematography
· B. Sc. in Visual Communication
· Diploma courses in Still Photography, Creative Photography, Wildlife, Wedding, Fashion and Journalism Photography

Postgraduate courses
· M.F.A(Master of Fine Arts) with specialization in Photography
· M.A. in in Media and Communication with Photography

Eligibility and Admission process to courses

· Class XII completed
· Selection in the entrance test of some of the leading Fine Arts colleges

Aptitude and Skills needed

· Creativity and imagination
· Practical and technical photography skills
· Physical stamina to withstand outdoor shoots
· Patience and concentration
· Alertness and dexterity to capture the right moments
· Aptitude in using appropriate photography editing software

INDUSTRY GROWTH AND CAREER PROSPECTS

In recent times, the explosive growth of online platforms, advertising and digital media has ensured that photgraphy has become a sought after profession with great commercial value. It is a profession with bright prospects for those who have an interest and aptitude to excel in the various types of photography.
Competition is high as many students graduate from the various colleges offering photography as a subject of study. To become an established professional and rise in the profession you must ensure that you build a good portfolio, update your technical skills and gain rich experience.

JOB OPPORTUNITIES

Government jobs

· Photographers in Government Organizations, Museums and Public Sector Bodies
· Government appointed professionals documenting official Government events, conferences, meetings etc.

Educational sector

· Instructors at colleges and institutes offering Photography courses

Self-employed

· Independent Photographers who work on freelance assignments and projects

Private Sector

· Advertising Agencies
· Wildlife, Nature journals & magazines
· Films and Documentary Makers
· Event Management Firms
· Fashion and Modeling industry
· Photo-journalists attached to various newspapers and publications
· Agencies specialized in Wedding Photography, Commercial Photography

Work hours and day/night shifts:
Variable work hours depending upon projects, Day and night shifts

Physics is a branch of science that studies the properties of space, matter, motion and energy and explores how these interact with each other. Since motion and matter affect every tangible creation in the Universe, the scope of Physics is endless.

The applications of Physics affect fields as diverse as engineering, technology, architecture, medicine, veterinary sciences, agriculture, sports, marine sciences, aviation and shipping to name a few.

Based on their area of specialization, there are Molecular Physicists, Medical and Bio-Physicists, Astrophysicists, Geophysicists, Nuclear Physicists and so on.

Some of the responsibilities of Physicists in various fields include:
· Create and test new medical technologies and equipment
· Find improved methods of processing crude oil
· Work in laboratories to design better performing automobiles, aircrafts and ships
· Design equipment for astronomical study and research

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Physics | Applied Physics| Geophysics | Biophysics| Astrophysics etc.
· B. tech in Engineering Physics

Those interested in career advancement/teaching should do:

Postgraduate courses
· M. Sc.in Physics with specialization in any related field
· M. Tech. in Engineering Physics
· M. Phil
· Ph. D. in Astronomy and Astrophysics| Atmospheric science and Astrophysics and other areas

Eligibility and Admission process to courses

· Class XII completed with Science and Physics
· Selection in entrance test at leading colleges and Universities for B. Tech

Aptitude and Skills needed

· Aptitude for Science and Maths
· Clear and logical thinking
· Good problem solving skills
· Ability to communication well and present data effectively
· Team Work

INDUSTRY GROWTH AND CAREER PROSPECTS

The knowledge and skills of Physicists are in high demand across a broad range of careers. While Research continues to be a key focus area for many Physicists, others take up lucrative careers in industries such as automotive and aerospace, defense, healthcare, energy, materials, technology, computing and IT (Information Technology). There is a strong demand for Physicists across many industries in India but for highly paid and top level positions in the field, a Ph. D is ideal.

JOB OPPORTUNITIES

Government jobs

· Senior Engineering Roles in Government-owned Public Sector Units in fields such as Technology, Engineering, Energy and Telecommunication
· Medical Physicists at Government Hospitals
· Geophysicists at NCESS (National Centre for Earth Science Studies), GSI (Geological Survey of India)
· Astrophysicists at ISRO (Indian Space Research Organisation), VSSC (Vikram Sarabhai Space Centre), NPL (National Physical Laboratory) etc
· Defense sector including Army, Air force and Navy

Educational sector

· Lecturer or Associate Professor of Physics, related disciplines at colleges & Universities

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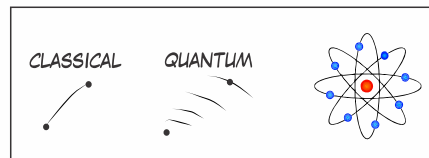
Private Sector

· Project Leads and Programme Developers in Technology Companies
· Astronomers at ISRO (Indian Space Research Organization), Planetariums , Science Museums
· Machinery and Equipment testing, Sports manufacturing, Engineering, Medical industry
· Hospitals and Medical Research facilities in areas such as Radiology, Radiation Oncology and Nuclear medicine
· Oil and Gas companies
· Robotics, Nanoscience & Nanotechnology

Self-employed

· Research Scientists attached to various Private and Public Sector Research Bodies

Work hours and day/night shifts:
Fixed Hours| Day shift

Physiotherapy is a field of medicine that treats disease and disability through physical exercises. It is a vital support to the medical profession, helping patients regain or improve their health, movement and functioning through exercises and procedures such as heat, wax and water therapy and specialized massages.

Today, Physiotherapists are as important as Doctors in the treatment of patients suffering from conditions like arthritis, neurological disorders, physical handicaps, genetic disorders and accident- and sports-injuries. They have a thorough knowledge of the human anatomy and are trained in techniques and procedures aimed at treating a wide range of illnesses and patients.

They can further specialize in areas such as pediatric, geriatric, musculo-skeletal physiotherapy, sports therapy and neurological therapy.

Some of the tasks Physiotherapists take up include:
· Design and conduct exercise sessions suited to each patient's condition
· Interact with doctors and nurses
· Teach patients simple exercises to perform on their own
· Provide massages
· Motivate and encourage patients to regain their health
· Supervise specialist therapies such as hydrotherapy, electrotherapy and aromatherapy

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Physiotherapy
· B. P. T (Bachelor of Physiotherapy)
· DPT (Diploma in Physiotherapy)

Those interested in career advancement, teaching should do:

Postgraduate courses
· Ph. D. with specialization in associated disciplines of Physiotherapy
· MPT (Master of Physiotherapy)

Eligibility and Admission process to course

· Class XII completed with science and biology
· Selection in the entrance test for BPT

Aptitude and Skills needed

· Thorough knowledge about the human anatomy
· Good physical health and fitness
· Ability to communicate with patients, Interpersonal skills
· Patience as treatment takes time to show results

INDUSTRY GROWTH & CAREER PROSPECTS

Physiotherapists are required across various health departments ranging from Cardiology to Pediatrics and Neurology.
However, until recently the field did not enjoy as much scope in India as in the USA, Canada and Australia. This is slowly changing as Indians realize the effectiveness of Physiotherapy as a treatment method.
Today it is an upcoming field but to be successful, you should graduate in the subject from a reputed college and gain wide and varied experience.

JOB OPPORTUNITIES

Government jobs

· Assistant and Head Physiotherapists at Government Hospitals
· Defense medical centres
· Rehabilitation centers for ex-servicemen and the Indian armed forces

Private sector

  Assistant Physiotherapist | Physiotherapist at
· Private Hospitals, Nursing homes, Clinics
· Residential homes, Rehabilitation centers for senior citizens
· Community health care centers
· Fitness centers | Health clubs | Sports Centres
· Special schools for mentally and physically challenged children
· N.G.Os

Self employed

· Set up your own Physiotherapy practice

Research

Research and development work related to Physiotherapy in various medical centres, pharmaceutical companies and institutional laboratories

Educational sector
· Lecturer or Associate Professor of Physiotherapy in Colleges and Universities

Work hours and day/night shifts:
Regular hours | Day shift except in case of emergencies

For those with a passion for flying and a desire to travel the world, go ahead and become a pilot. But do remember, you need focus and quick decision-making while flying an aircraft - the safety of your passengers rests in your hands.

Commercial Pilots are professionals trained in flying aircrafts and helicopters that carry passengers or cargo.
Most commercial flights usually have two pilots on board the flight – the Captain of the flight (the Pilot in command) and the First officer (the Co-Pilot). The Captain of the flight is the more experienced and senior of the two.

Both Pilots have to be knowledgeable about air navigation and aircraft safety rules and regulations, analyzing complex weather reports and using the electronic and mechanical controls in the cockpit. They are responsible in leading the passengers and flight crew in case of emergencies caused by bad weather or other unexpected defects and contingencies in the aircraft.

Some of the tasks Pilots perform on duty:
· Check the aircraft before and after every flight
· Follow prescribed weight limit, fuel levels, safety regulations etc. for aircrafts
· Communicate with air traffic control over the aircraft's radio system for directions during take-off and landing
· Monitor engines, fuel consumption, and other aircraft systems during flight
· Respond to changing conditions, such as weather and technical emergencies (for example, an engine failure)
· Maintain required high level of fitness- physical and mental- to perform the job

EDUCATION & ELIGIBILITY

Educational Requirements
· Class XII with Science
· B. A / B. Sc./B. Com in any subject
· B.E./B.Tech in any stream
The first step in Pilot Training is: SPL (Student Pilot License)
· Registering and training at any of the DGCA (Directorate General Of Civil Aviation) approved training institutes in India
· Clearing the SPL exam
After that: PPL Private Pilot License
· Completing sixty hours of flying of which about 15 hours are dual flights (accompanied by the flight instructor) and at least 30 hours of solo flights
· About five hours of cross-country flying
· Clearing the PPL exam
Finally: CPL Commercial Pilot License
· Complete about 250 hours of flying (including 60 hours PPL)
· Medical Fitness Test
· CPL exam

Eligibility and Admission process to courses
For pursuing Pilot Training-
· B. A / B. Sc./B. Com or B.E. / B. Tech. or Class XII completed with Physics and Math
· Medical Fitness and Vision as per the DGCA (Directorate General Of Civil Aviation) regulations

Aptitude and Skills needed
· Mental Alertness
· Responsibility and commitment
· Stamina and ability to handle erratic work hours, long flights and irregular sleep patterns
· Presence of mind and emotional stability during emergencies
· Strong technical and mechanical skills
· Leadership skills

INDUSTRY GROWTH & CAREER PROSPECTS

India has the fastest growing domestic aviation market in the world, as per the International Air Transport Association (IATA).
India's domestic air passenger demand grew by 28.1% (July 2015) and is expected to be among the 5 fastest growing markets for air travel in 2017. Pilots are one of the best paid professionals and enjoy many perks as part of the job.
However, many private airlines are not doing well and job openings for pilots have slowed down. Unemployment is high among pilots currently as there are more pilots qualifying each year compared to availability of openings.

JOB OPPORTUNITIES

Government jobs
· Government carriers such as Air India

Private Sector
· Private airlines
· Corporate pilots flying for large business houses

Educational sector
· Instructors in the Aviation Training Academies

Work hours and day/night shifts:
No fixed hours/ day and night shifts

The primary roles the police are expected to play in a society are maintenance of law and order. A career in Police or Law Enforcement Service holds huge prospects for courageous and dedicated candidates.

The increase in vigilance requirements, and security conscious society, has increased the demand for police jobs in India and across the world. In an hour of need, danger, crisis and difficulty, when a citizen does not know what to do and whom to approach, the police station and a policeman/police woman are expected to be the most approachable unit and person for the citizen.

The police are expected to be the most accessible, interactive and dynamic organization of any society.

Some tasks involved in nursing are listed below:
· To uphold and enforce the law impartially, and to protect life, liberty, property, human rights, and dignity of the members of the public
· To promote and preserve public order
· To protect internal security
· To protect public properties including roads, railways, bridges, vital installations and establishments etc. against acts of vandalism, violence or any kind of attack
· To prevent crimes, and reduce the opportunities for committing crimes
· To register and investigate all recognizable offences coming to their notice through complaints or otherwise and where appropriate, to apprehend offenders, and extend requisite assistance in the prosecution of offenders
· To facilitate orderly movement of people and vehicles, and to control and regulate traffic on roads and highways
· Guide and assist members of the public who are found in helpless condition on the streets or other public places or otherwise need help and protection

JOB OPPORTUNITIES

Government Sector
· Indian Police Services

INDUSTRY GROWTH & CAREER PROSPECTS

Police service can be one of the most rewarding and challenging career choices.

There are diverse areas of police work, such as the Criminal Investigation Department, ACB (Anti-Corruption Bureau) CCB (Central Crime Branch), Lokayukta – Police wing, SHRC (State Human Rights commission), SCRB (State Crime Record Bureau),Firearms Unit, Dogs Section, Air Operations, drug trafficking and narcotics unit, cyber-crime cell, administrative services, Security and more. Jobs in this field are divided into Gazetted Police Officer and Non-Gazetted officer jobs.

One can join as a Gazetted Police Officer once you clear the Civil Service exam, or can join Indian Police as a Non-Gazetted officer, for which IPS is not required, but it has other requirements of qualification, written examination, age limit and physical test.

The requirement for each career in Police is different. Based on your education you can directly join any of the post depending upon the vacancy.

Work hours and day/night shifts:
Fixed hours with overtimes/ night and day shifts; Emergencies

EDUCATION & ELIGIBILITY

Post	Educational qualification	Age Limit	Selection Process	Aptitude and Skills needed
Reserve Police	10th Grade	19-25 yrs (General) 19-27 yrs (SC/ST)	Written test Endurance test Physical Standard test	· Courage and zeal to lead · High level of physical endurance · Mental alertness and agility · Good Management and Leadership Skills · Tactical decision-making under pressure · Positive frame of thought · Passion and commitment to a tough way of life
Police Constable (Civil)	PUC or 12th	19-25 yrs (General) 19-27 yrs (SC/ST)	Written test Endurance test Physical Standard test	
KSPS (Karnataka State Police Service) - DYSP post	Graduation degree or Bachelor's degree or equivalent from a recognized university	21 to 28 yrs Upper age limit 33 yrs - SC/ST/OBC (Male & Female)	Physical fitness test Written test Interview	
IPS (Indian Police Service) - SP, Additional SP post	Graduation degree or Bachelor's degree or equivalent from a recognized university	21 to 28 yrs Upper age limit 33 yrs - SC/ST/OBC (Male & Female)	Physical fitness test Written test Interview	

Plastics, rubber and several other adhesives, resin and fibres are generically referred to as Polymers. Polymers are used extensively in a wide range of areas including household articles, textiles, electrical goods, automobile components, packaging, construction, etc.

Polymer Engineering focuses on the research and development of improved varieties of Polymer materials so that they can be of greater use across industries. Polymer Scientists use chemical polymers to build useful and unique materials such as Kevlar, Teflon, biodegradables, fiberglass, polyester, nylon and many others. While some work on designing and creating new polymer materials, many try to improve existing materials.

Some of the tasks Polymer Scientists undertake include:
· Conduct research on the structures and properties of materials
· Research methods of processing, forming, and firing materials to develop new products
· Devise testing methods to evaluate the effects of various conditions on particular materials
· Recommend reliable polymer materials for various environments and industries
· Ensure that quality and safety standards of materials are met

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. Sc in Polymer Science | Polymer Chemistry
· B. E| B. Tech. in Polymer Engineering| Rubber Technology
· B. E. in Polymer Science & Chemical Technology

Postgraduate courses
· M. Sc. in Polymer Chemistry
· M. Tech. in Polymer Technology | Polymer Engineering | Polymer Nanotechnology
· Ph. D. in Polymer Science and associated fields

Eligibility and Admission process

· Class XII completed with Math & Science
· Selection in the entrance test to courses of top colleges and Universities

Aptitude and Skills needed

· Analytical approach and Problem-solving skills
· Research oriented
· Critical-thinking
· Aptitude for Math
· Computer skills

INDUSTRY GROWTH AND CAREER PROSPECTS

Polymers are widely in use in almost every industry from manufacture to packaging and several others such as textiles, medical and surgical equipments and devices, toys and sporting goods etc to name a few.

As the use of Polymers grows in many fields there is expected to be a demand for people qualified in Polymer technology. Many jobs are research based and India traditionally offers lesser job prospects for those in research roles.

JOB OPPORTUNITIES

Government jobs

· Public Sector Units such as ONGC (Oil and Natural Gas Commission),
· Government owned engineering plants, refineries and petrochemical industries

Private Sector

· Chemical and Petrochemical industries
· Manufacturers of molded plastic, paint
· Rubber and Leather industry
· Textile industries such as nylon and viscose
· Industrial and Household goods segment
· Medical equipment and device manufacturers
· Electrical and Electronics industry
· Aerospace and automobile manufacturers

Educational sector

· Lecturers and Associate Professors of Polymer Science at various colleges and Universities

Research

· R&D Departments of Private and Public Sector Units
· Independent Research Bodies and Private Laboratories focused on Polymers

Work hours and day/night shifts:
Long hours depending on the work load | Day shifts

Psychologists are trained in observing, analyzing and understanding human behavior.
Based on their understanding of a patient's emotions and mental processes, psychologists treat their behavioural or emotional problems through counseling and therapy. They are mental health professionals who do not have a medical degree and do not prescribe medications.

Clinical and Child Psychology, Counseling Psychology, Organizational/Industrial Psychology, Sports Psychology, Educational Psychology, Social Psychology are some of the specializations in Psychology.

Typical tasks of Psychologists:
· Speak to children and teenagers on suicide helplines to help them solve their problems
· School Counselors helping students cope with anxiety
· Family Counselors advising married couples on marital harmony
· Industrial Psychologists devising methods to evaluate employees and keeping them productive in an organization

Eligibility and Selection
· Class XII completed

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.Sc in Clinical Psychology

Postgraduate courses
· M.A in Psychology with specialization in areas like Applied Psychology, Counseling Psychology, Child Psychology, Organizational Behaviour, Social Psychology, Clinical Psychology and Educational Psychology

Those interested in career advancement and teaching go for:
· M.Sc in Clinical Psychology with specialization in any of the various branches of Psychology
· Ph. D. with specialization in any of the various branches of Psychology

Aptitude and Skills needed
· Patience when dealing with difficult cases, or challenging patients
· Genuine passion to help people
· Compassion and empathy
· Ability to listen and draw conclusions from patients' conversations
· Effective communication skills
· Up-to-date on latest research and findings in psychology

INDUSTRY GROWTH & CAREER PROSPECTS

India has the highest rate of suicides in the 15-29 age groupin the world and 42.5% of employees in Indian private sector organizations are battling either depression or anxiety. But more than 60% of Indians facing such mental health issues (from mild to severe) do not seek professional help. Besides the social stigma associated with mental health, India lacks qualified psychologists and psychiatrists to treat this growing epidemic.
The Government has taken several measures to address this deficit in mental health professionals. Job outlook in this field depends upon area of specialization. Specializations such as school, industrial and clinical psychology are in huge demand as counseling cells have become common in most schools, colleges and private organizations. There is a growing need for trained Psychologists in various other spheres as well such as hospitals, rehabilitation centers, research bodies and welfare centers.

JOB OPPORTUNITIES

Government jobs
· Psychologists at Government hospitals, Central Government Health Service (CGHS)
· Counselors at prisons and juvenile homes to help convicted prisoners deal with their behavioural problems

Research
· Project heads & Research assistants at NIMHANS (National Institute for Mental Health & Neuroscience), private research bodies & hospitals

Self-employed
· Independent counseling practice & self-owned clinics to treat patients

Educational sector
· Lecturers or Associate Professor of Psychology at colleges & universities

Private Sector
· Clinical Psychologists at hospitals, clinics and medical centers
· Industrial Psychologist attached to large organizations to motivate employees and keep them happy
· School Counselors
· Family Counselors in courts, community centers, churches & so on
· Psychologists at consumer research, marketing and advertising agencies understanding consumer behaviour
· Rehabilitation centers and welfare organizations
· Child/ youth guidance centers

Work hours and day/night shifts:
Fixed work hours/ Day job

Rural Management is the application of Management Principles in the rural environment. It involves organizing and directing cooperative firms, rural development organizations, farming units, agri-businesses, rural handicraft, healthcare and educational institutions to perform efficiently and profitably.

A Rural Management professional is responsible for the systematic planning and execution of rural development schemes and businesses, thereby helping to improve the lives of people in rural areas.

Some of the tasks that Rural Management Professionals undertake as part of their job:
· Interact closely with people in villages to understand their challenges
· Research rural systems of livelihood and identify areas for improvement
· Undertake fund-raising activities for rural programmes targeting the Government, NGOs, corporate etc.
· Monitor and control progress of various rural cooperative and organizations
· Train rural people on finance, marketing and sales
· Computerize various rural businesses and activities

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.A in Rural Management
· Bachelor of Rural Technology and Management

Most career opportunities are open to postgraduates:

Postgraduate courses
· M.R.M (Master in Rural Management)
· MBA with specialization in Rural Management
· PPRM (Postgraduate Programme in Rural Management)
· PDRM (Postgraduate Diploma in Rural Marketing)

Eligibility and Admission process to postgraduate courses
· Undergraduate degree in any stream
· Selection in the entrance test for postgraduate programmes to leading Rural management Colleges
· Selection in Group Discussions and Interviews

Aptitude and Skills needed
· Passion in Rural Work and Rural Development
· Willingness to work in rural areas
· Good communication and Interpersonal skills
· Knowledge of local languages
· Problem solving attitude and leadership skills

INDUSTRY GROWTH AND CAREER PROSPECTS

Rural Management is an important sector in India, where the majority of the population lives in villages. Agriculture and agri-businesses are a vital component of our economy. However, currently not enough is being done in this sector. This is evident from the crisis in many of our states with regard to agriculture and crop cultivation.
Rural Management opportunities are gaining significance as we realize the need to focus on our farmlands and farmers as well.

The Government is announcing many programmes and initiatives to help speed up the development of the rural sector. Also, a small group of social minded individuals are slowly taking up activities and initiatives among the rural people.
Rural Management professionals will be in demand as these initiatives continue.

JOB OPPORTUNITIES

Government jobs
· Government Developmental Agencies
· Government Development Schemes and Programmes
· Rural Co-operative Sector such as Oilseeds Cooperatives, Milk Producers Cooperative (National Dairy Development Board), Sugar Cane Producers Cooperative etc.
· Government Banks focused on Rural Credit and Development eg. NABARD (National Bank for Agricultural and Rural Development)

Educational sector
· Instructors at colleges and institutes offering Rural Management courses
· Supervision and Management of Teaching Programmes for Rural children
· Management of NGOs offering adult education in rural areas

Social sector
  National and International NGOs (Non-Government Organizations) focused in the rural sector

Private Sector
· United Nations Agencies focused on Development Work
· Private agri-business enterprises
· Microfinance Lending Organizations and Private Banks with Rural Schemes
· Food and agricultural marketing
· Agro product industries

Self employed
· Consultants to various Corporations
· Set up your own NGO or Development project

Work hours and day/night shifts:
Variable work hours depending upon projects
Day and night shift

Sales is one of the most vital functions in an organization that is required to bring in revenue and keep the organization going. Sales is the activity or transaction of selling the products and services of a company. It can be Retail or Wholesale.

Retail Sales involves smaller quantities of the product sold to individual customers as in shops, door-to-door sales, online sales to a customer and so on. Wholesale refers to large volume transactions made from one business to another business such as sales to dealers and distributors. Retail sales is also referred to as B2C (Business to Consumer) while Wholesale is referred to as B2B (Business to Business).

Sales Professionals are responsible for meeting prospective customers, understanding their needs and persuading them to buy the company's product that best fits their needs.

Their job covers everything from identifying customers, closing sales deals to resolving post-sales issues. Communicating features and benefits of the products or services being offered, comparing it with competitor products and making customers aware of offers and discounts are also part of the Sales person's job.

Some of the tasks Sales Professionals do include:
· Prospecting new customers through phone calls
· Attend Product training sessions to understand products well
· Make appointments to meet prospective customers
· Participate in trade shows, seminars, and marketing events
· Make presentations or perform demonstrations of products or services to customers

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses
· B. A | B. Com | B. Sc. in any Discipline
· B. E | B. Tech (for Sales roles in Technology Companies)

For the top jobs in Sales, candidates with Technical and Managerial qualifications are given a preference.

Postgraduate courses
· M. A | M. Com | M. Sc. in any Discipline
· M. B. A with specialization in Sales and Marketing

Eligibility and Entry into Sales Jobs

· Graduation in any Discipline
· Technical Qualifications and Management Degree helps in rising quickly in a Sales career

Aptitude and Skills needed

· Strong Communication skills
· In-depth knowledge about products or services being sold
· Confident approach
· Highly self-motivated
· Ability to work both in teams and independently
· Ability to work under pressure

· Make forecasts of expected sales every quarter
· Develop and maintain relationships with new and existing customers
  Listen to complaints from customers and facilitate appropriate resolutions

CAREER PROSPECTS

A Management degree helps to ease the way up in a Sales career and a person with the right skills and attitude can work his or her way right up to the top from a Sales role.

Sales department forms the vital backbone of a business as no company can survive without selling its Products and Services.

As more choices of goods and services flood our markets, the role of the Sales persons becomes much more competitive as they have to lure customers from many other choices to buy his company's products.

Success in sales is dependent not on any specific educational qualifications or experience but on the abilities of the candidate to persuade customers and close sales. As a result, it is often the most common job that Fresh graduates opt for.

While entry into Sales jobs is relatively easy, rising in the career is very competitive. The demand for Sales professionals is always high across all industries.

JOB OPPORTUNITIES

Government jobs
· Government Public Sector Units

Private sector
· Consumer Goods Industry
· Electronics and Technology Companies
· Hotels and Resorts
· Financial Products and Services Companies
· Private Banks and Insurance Firms

Champ

Offer
1+1

Work hours and day/night shifts:
Fixed but long hours | Day shifts

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The places where we live and work are subject to threats from a variety of causes including thefts, terror strikes and accidents such as fire. Security Agencies help us to avoid such incidents by offering their Security Services on a contract basis.

They provide us with Security Solutions including Planning and Deployment of Security Guards, Security Officers, Armed Guards, Firemen, Dog Handlers, Consulting, Investigation Works and Command and Control Centre Employees.
Their clients include Real Estate Groups, Companies, Hotels, Factories and Industrial Units, Airports, Banks and Financial Institutions, Malls, Private Residences and Large Apartments Complexes.

Security Staff are persons employed by these Agencies for 24-hour protection of specified client locations.

All Security Staff are professionally trained, uniformed and many are well armed. They work in 24 hour shifts and protect their clients' premises, assets and personnel from losses caused by trespassing, burglary, fire and other accidents.

Personal Security Officers/ Body Guards protect an individual round the clock from personal threats of assault, kidnaping, stalking and so on. This service is usually required by celebrities, political leaders and extremely wealthy persons who are at specific personal risk from fans, professional and political enemies, detractors, kidnappers and so on.

Some of the tasks Security Staff perform include:
· Patrol the client's premises at regular intervals
· Maintain a register of all incoming visitors, record their name, purpose of visit and phone number
· Accompany consignments containing cash from banks to ATMs
· Ensure that premises are properly locked at the end of the day
· Monitor premises 24 hours with a Central Monitoring Station
· Detect intrusion, fire, medical or any other emergency
· Testing and maintenance of fire safety equipment

EDUCATION & ELIGIBILITY

Educational Requirements

No minimum qualifications, but recommended is minimum Class XII or Graduation and good spoken English

Eligibility and Admission process to courses

· No minimum educational qualifications required for entry into this profession

Aptitude and Skills needed

· Physical Fitness
· Alertness and Presence of Mind
· Excellent Vision and Hearing
· Communication skills
· Training in Self-defense and Armed Combat

INDUSTRY GROWTH & CAREER PROSPECTS

Security Services is one of the most rapidly growing sectors in India. It is expected to grow from Rs 360 billion in 2013 to Rs 1501 billion by 2022 according to a report by the NSDC (National Skill Development Corporation).

This will lead to a demand for more than 11.8 million skilled security staff by 2022. With this segment projected to grow at a rapid pace, many large foreign companies are also entering operations here in India. These developments will trigger many job opportunities in the coming years.

Special Training
· Training in Defense, Weaponry and Combat
· Driving Skills
· Training in Unarmed Combat, Threat Assessment and First Aid

JOB OPPORTUNITIES

Private Sector

· Private Companies
· Diplomatic Missions
· Hotels
· Industrial Units and Factories
· Airlines and Airports
· Banks and Financial Institutions
· Malls and Multiplexes
· BPOs
· Residential Apartment Complexes
· Independent Houses
· Museums

Self employed

· Independent Consultants and Trainers to Security Agencies

Work hours and day/night shifts:
Fixed hours for Security Staff but variable for Personal guards and Body Guards | Day and Night shifts

Self-employment means that a person works for him/herself instead of working for an employer who pays him/her salary or a wage.

This work can be related to the skills that they possess for example a painter, baker, cook, cleaner, house-help, electrician or a plumber.

This kind of work can be done for anyone who needs to hire a person for whatever service they need.

They can ask them to provide the service/do the task either in a house, office space or anywhere they need it to be done.

This kind of job requires vocational skills specific to that particular field.

While the job does not come with the security of a regular and timely income, such as a monthly salary, it affords the individual the opportunity for flexibility around time and workload, provides an opportunity to earn more by working longer and allows the individual to extensively pursue other interests outside of their vocation.

Some of the tasks done by a self-employed service provider:
- Understand the requirement of the client
- Source material required for their work- build a network of reliable suppliers
- Keep themselves updated on the new techniques and technologies in the field
- Undergo skill development programmes

EDUCATION & ELIGIBILITY

Educational Requirements

· Short term certificate or vocational training courses

Eligibility and Admission process to courses

· No particular educational qualification required

Aptitude and Skills needed

· Good aesthetic sense and creativity
· Ability to work on one's feet for long periods of time
· Ability to work efficiently and calmly under pressure
· Ability to communicate with client and understand expectations

INDUSTRY GROWTH & CAREER PROSPECTS

With a fast growing infrastructure in India, the job opportunities are high for self-employed professionals, especially with private individual clients.

While corporates and bigger establishments mostly hire contractors that provide end to end service, for individual or private use, families/individuals seek out the services of self-employed persons.

There is also an opportunity to tie up with big contractors and provide service on a need basis.

JOB OPPORTUNITIES

Since it's self-employment, you can work in the private sector only

Work hours and day/night shifts:
Work hours depend on the work needed to be done

Social Work is a field that aims to improve the lives of people by helping them deal with their problems in a positive manner. It encourages individuals, groups and communities to enhance their lives by developing their skills and using their own resources as well as the community's to resolve their problems.

Unemployment, Addiction, Mental Health issues, Physical Abuse, Poverty, Illiteracy and Diseases like Cancer and AIDS are a few of the major problems that make the lives of people difficult. Social Workers help people deal with these issues by offering them practical support and guidance.

They work towards solutions for the social, economic, medical and emotional problems of people through avenues such as education, employment, counseling, medical help.

Some of the tasks Social Workers do on the job include:
· Take care of mental and physical health of people in a clinic
· Bring together people of a Community for common causes
· Offer Counseling to persons of all ages
· Direct people in jails and juvenile homes towards useful employment
· Provide support and counseling to patients suffering from serious illnesses
· Negotiate with Government Authorities for support & funding

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. S. W (Bachelor of Social Work)
· B. A (Social Work)

Postgraduate courses

· M. S. W (Master of Social Work)
· M. A (Social Work)
· M. Phil in Social Work and related areas

Eligibility and Admission process to courses

· Class XII completed

Aptitude and Skills needed

· Genuine interest in helping others
· Questioning Attitude towards Social Injustices
· Respect for all people
· Value Human Relationships
· High Integrity
· Communication and interpersonal skills

INDUSTRY GROWTH AND CAREER PROSPECTS

There are numerous employment opportunities available for Social Workers in the Private, Public and the Social Sectors. Regarded as a free and voluntary service at one time, today it is a profession that requires appropriate qualification and offers a reasonable pay scale as any other job.

With many corporate offices running CSR (Corporate Social Responsibility) programmes, the demand for qualified social workers is set to go up. Career opportunities in this field depend on an individual's area of specialization and experience.

JOB OPPORTUNITIES

Government jobs

· Government Hospitals and Mental Health Facilities
· Government Social Development Projects
· Prisons and correction cells

Private sector

· HR department of various industries
· Private Hospitals and Clinics
· Private Companies

Social sector

· Counseling centers
· Old Age Homes
· Rehabilitation Centres
· NGOs working in the development sector

Educational sector

· Lecturers and Professors of Social Work at various Colleges and Universities

Self employed

· Independent Social Workers operating alone or in co-ordination with various other Groups

Work hours and day/night shifts:
Variable work hours, Day or Night shifts

Sociology is the study of human social behavior and its origin, development and organization over the years. It helps us to understand human behavior in different contexts as well as to figure out the cause and consequences of such behaviour.

Sociology was earlier associated with the Social Service and Education sectors. However, today it is evident that the understanding gained from Sociology is very useful in areas like Criminal Justice, Law, Health Care, Media, Business, Economics and so on.

Sociologists observe, analyze and understand human beings through their social interactions. They develop a keen understanding of how societies organize, develop and change. They also study the effect of different social institutions on the lives and attitudes of humans.

Some of the tasks Sociologists take up on the job include:
· Refer to existing Research work on their field of study
· Conduct independent research by meeting and interviewing people
· Spend time on the field observing the subjects of their study
· Compile and Analyze data
· Write Reports and Thesis
· Make Presentations about their Theories and Findings

EDUCATION & ELIGIBILITY
Educational Requirements

Undergraduate courses

· B. A in Sociology

Postgraduate courses

· M. A in Sociology
· Ph. D in Sociology and related areas of study

Eligibility and Selection into the course

· Class XII completed

Aptitude and Skills needed

· Interest in social and cultural aspects of human behavior
· Aptitude for Online and Field Research
· Capacity for detailed observation
· Critical thinking skill
· Organizing and Problem Solving skills
· Ability to work independently and in groups
· Analytical and Data Interpretation skills
· Computer skills
· Good written and verbal Communication skills
· Interpersonal Skills and Empathy

INDUSTRY GROWTH AND CAREER PROSPECTS

Trained Sociologists are in demand in a wide range of sectors such as Health Care, Social Service, Criminal Justice, Law, Media and Development Science.
In a developing country like India, the relevance of Sociology is high as we try to understand our Society and resolve some of the problems we face.
However, a lot of the work in Sociology is research-based and India is still far behind the developed Western countries in Research opportunities in this field.

JOB OPPORTUNITIES
Government jobs

· Government Health and Welfare Departments
· Government-run Criminal Justice System
· Government Public Sector Units Railways, Telecommunication companies, Insurance etc.

Educational sector

· Lecturers and Associate Professors of Sociology in Indian Colleges and Universities

Social sector
· NGOs
· International Agencies working in the Development and Social Sector

Research
· Private & Government Research Bodies

Private Sector

· Private business houses
· Private Hospitals, Clinics and Medical Centres
· Law firms
· Medical Centers
· Advertising Firms
· Market Research, Survey and Polling organizations
· Human Resources Departments of Private Companies
· Social Sector Journalists

Work hours and day/night shifts:
Variable hours as work is field based | Day or Night shifts

Computers have become a part of our every-day life. Software programs are required to make computers perform the functions they are designed to do.

Software Engineering is the field of engineering which deals with the design and development of software based on the user's requirements.

Software Engineers analyze the user's systems and processes, design software and write code to develop the software. They also install and test the software to ensure that it is functioning smoothly.

Some of the tasks Software engineers do include:
· Create new program languages
· Test software programs to ensure they perform their function according to specifications
· Create and adapt software
· Upgrade software to give it new functions and features
· Remove bugs from software packages

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. Sc. in Computer Science
· B.C.A(Bachelor of Computer Applications)
· B.E. /B. Tech in Computer Science and Engineering | Computer Science and Information Technology| Computer Technology

Postgraduate courses
· M. Sc. in Computer Science
· M.C.A (Master of Computer Applications)
· M. Tech in Computer Science and Engineering
· Ph. D. in related fields

Eligibility and Admission process to courses

· Class XII completed with Math & Science
· Selection in entrance tests of most top engineering colleges

Aptitude and Skills needed

· Knowledge of computer systems and coding languages
· Flair for IT (Information Technology)
· Ability to work under pressure
· Logical thinking
· Problem-solving skills
· Team work
· Communication skills

INDUSTRY GROWTH AND CAREER PROSPECTS

Software Engineering is one of the fastest growing engineering fields in India. With the widespread advent of computers in almost every sphere of activity, the global need for software engineers increased.
India has a huge population of engineering graduates who were equipped to meet this global need for software professionals.
Many large multinationals and IT companies have outsourced their software development work to India, leading to a huge rise in job opportunities in this field.

JOB OPPORTUNITIES

Government jobs
· Public Sector Units
· Nationalized Banks
· Government Departments

Educational sector
· Lecturers and Associate Professors of Computer Science and Engineering at colleges and universities

Self employed
· Set up independent consultancy offering software services
· Freelance software programmers working for clients

Research
Research and development at private computer firms or universities

Private Sector
Systems analysts, Programmers and Project Managers in industries that build or use computer-based systems such as:

· Telecommunications
· Automobile, Aerospace, Shipping etc.
· Computer manufacturing companies
· Computer networking companies
· Software development companies
· Data processing departments of various industries
· Aeronautics and space science
· Petroleum industry, chemical plants and power plants
· Management consultancies
· Banks and financial organizations
· Media and Entertainment industry

Work hours and day/night shifts:
Variable hours depending upon projects | Day and Night shifts depending upon clients & time zones

If you are a lover of sports or play any game very well, taking it up professionally is a good idea as a wide range of sports are becoming good career options in India.

Regarded as a hobby at one time, sports is now gaining focus as a career option in India. Sports persons or Athletes play a sport at organized, official sporting events – both National and International.
There are other career avenues in the field such as Sports Management, Coaching, Sports Medicine, Physiotherapy, Sports Journalism, Diet and Nutrition and Sports Clinics which are all good career options for students. Retired sports persons become Umpires and Referees, Coaches, Sports Anchors and Commentators.
This is one profession where the prospects are bright even after retirement from playing a game.
In India, traditionally Cricket has attracted a lot of talent and associated career opportunities. But as Indians begin to perform well at other sports, Hockey, Wrestling, Tennis and Badminton have started gaining importance as career options.

Some of the tasks Sports Professionals do:
· Train rigorously for many hours
· Follow a strict diet and nutrition regimen
· Play the game representing the country at sports events
· Coach aspiring sports persons at schools, colleges and clubs
· Present sports commentary for various games and anchor
  sports shows
· Write columns and reports for sports journals and magazines

EDUCATION & ELIGIBILITY

Educational Requirements
There is no educational requirement for being good at sports, but education helps find jobs while continuing to play sports

Undergraduate courses
· Any degree in any education stream for Players or Athletes
· B.Sc in PEHES (Physical education, Health education and Sports Sciences)| Sports and Exercise Sciences | Sports Management| Sports Science with Management - for Sports Managers
· Diploma in Sports Medicine after M.B.B.S (Bachelor of Medicine and Bachelor of Science)

Those interested in career advancement or teaching should do:
Postgraduate courses
· PG diploma in sports coaching
· M.Sc. in Physical Education
· M. Phil
· Ph.D.

Eligibility and Selection process into various sports

· Class XII completed
· Selection at various qualifying tournaments

Aptitude and Skills needed

· Talent and passion for the game
· Physical stamina
· Leadership skills
· Teamwork
· Hard Work and Discipline

INDUSTRY GROWTH AND CAREER PROSPECTS

India's success in hosting two Cricket World Cups and the popularity of the IPL (Indian Premier League)has paved the way for cricket becoming a much sought after career option. Football, Hockey, Kabbadi, wrestling, tennis, badminton and shooting are some other career options.
The SAI (Sports Authority of India) set up in 1984, has given further drive to careers in sports. Many Government and Private sports academies functioning under SAI are always scouting for fresh talent to represent the country at various sporting platforms.

JOB OPPORTUNITIES

Government jobs
· Positions in state level and national level
  sports organisations
· Employment in Public Sector Units such
  as Indian Railways through Sports Quota

Private sector
· Private Sports Clubs and League
  Games
· Private Companies
· Sports Commentator or Anchor on
  Private Television Channels
· Sports Journalist and photographer
· Sports Consultant and Physiotherapist
  at Hospitals, Health clubs,
  Rehabilitation Centres for Sports Persons
· Umpire or Referee

Educational sector
· Lecturers in Sports Management and
  Policy at Universities
· Physical Education Instructors, Coaches
  & teachers at Schools / Colleges
· Coach in Private Clubs
· Personal Coach to professional
  sportspersons

Self employed
· Independent Sports Consultant|
  Manager| Coach
· Set up your own Coaching Academy

**Work hours and
day/night shifts:**
Long and erratic hours

Stock Brokers purchase and sell stocks of companies and other forms of securities in the stock market on behalf of their clients. Their clients may be companies or individuals who have disposable funds which they want to invest.

Many of these clients lack the specialized skills, the know-how and the time required to engage in buying and selling of shares. Professional stock brokers help them do this for a fee or a commission.

Stock Brokers are in constant contact with their clients, updating them on the fluctuations in stock prices and giving them advice on when to buy and sell their stocks.

As a successful stock broker, you will not only get your clients the best deals but also make sure that your stock broking firm is making profits in the long run.

In India you can work as full-service broker, a discount broker or a company broker.

Some of the tasks Stock Brokers take up on their job include:
· Monitor share prices through the day to make buy and sell decisions
· Speak frequently to clients to help them manage their wealth
· Execute orders to buy and sell securities
· Provide services for portfolio management
· Keep close watch on developments in the Government and economy as stock markets fluctuate in response to any such change

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· C.A (Chartered Accountant) · CA (Cost Accountant) · B.C.A
· Actuarial Science · CFA (Chartered Financial Analyst)
· Company Secretary (CS) · B. Sc. in Statistics / other streams
· B. Com| BBA with specialization in Finance

Certificate Programmes after Graduation
· NSE(National Stock Exchange) Certification in Financial Markets
· NSE Certified Capital Market Professional
· Certificate courses in Derivatives Exchange, Securities Markets, Options Trading, Security Analysis and Portfolio Management from BSE and other Training Institutes
· Post Graduate Diploma in Capital Market & Financial Services
· PG Diploma in Fundamentals of Capital Market Development

Postgraduate courses
· MBA (Finance) · MCA · M. Com with specialization in Finance

Eligibility and Entry into the job
For entry as sub broker: Class XII completed
For entry as Broker:
· Graduation completed
· Minimum 2 years experience in a stock broking firm
· Registered member of the NSE (National Stock Exchange) and SEBI (Securities and Exchange Board of India)

Aptitude and Skills needed
· Interest in equities and stocks
· Professional training and certifications
· Strong communication
· Aptitude for Risk
· Ability to thrive in high stress, competitive environment
· Computer skills and specialized software knowledge

INDUSTRY GROWTH & CAREER PROSPECTS

India has a mature and strong capital market and economy.
The NSE and BSE rank among the top 15 stock exchanges in the world. Certified and experienced Stock Brokers can find many career options within India's stock brokering firms or in the financial sector in India. However, the field is a very demanding one and many people who start as stock brokers drop out from the job as the pressure is intense and the work environment stressful.
Opportunities for stock brokers are plenty in areas such as Mutual Funds, Wealth Managers and Investment Advisors.

JOB OPPORTUNITIES

Government jobs
· Investment Advisors to Government Companies
· Financial Planners and Analysts for Government Banks

Private Sector
· Private Stock Broking Firms
· Financial Analysts and Planners at Investment Firms
· Capital Market Specialists, Equity Analysts, Financial Managers, Financial Advisers at various private Finance and non-Finance companies
· Private Banks

$ ₹ ¥ €
DOLLAR   RUPEE   YEN   EURO

Educational sector
· Lecturer or Instructors at Training Institutes offering specialized courses in Capital Markets
· Associate Professor at Management and Finance colleges

Self employed
· Independent Investment Advisor, Planner, Wealth Consultant etc.

Work hours and day/night shifts:
Erratic work hours| Day and Night Shifts

Teacher | Education

Teaching is a profession that enables you to guide and shape the future of youngsters. Good teachers manage to develop not only the academic interests of the student but also his personality and attitude.

Teachers educate students from Pre-Primary school to University, following the guidelines and syllabus prescribed by the educational authorities of the State. They cover subjects such as Languages, Physics, Chemistry, Biology, History, Social Sciences, Geography, and Civics. While expert knowledge about the subject is necessary to teach, more critical is the ability to connect with students and the skill to get them interested, stay alert and participative in the class.

Teachers also need tremendous patience to deal with students from different backgrounds and widely varied levels of discipline, motivation and intelligence. Teachers are employed by Nursery Schools, Middle Schools, High Schools, Colleges, Universities, Institutes and Special Schools and each of these levels require different skills and expertise.

Some of the tasks Teachers do include:
· Interact with students, teachers, aides, principals and parents.
· Prepare Lesson Plans for each week
· Set Question Papers for various exams
· Motivate students on life goals and ideas beyond studies
· Participate in cultural & arts events of the educational institution

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. T. C (Basic Training Certificate)
· D.Ed (Diploma in Teacher's Education)
· Diploma in Special Education
· T.T.C. (Teacher's Training Course)
· B. Ed (Bachelor of Education)
· Selection in the C. T. E. T (Central Teachers Eligibility Test) conducted by the CBSE for appointment as a teacher for classes I - VIII in Government and State schools and Private schools that accept CTET scores

Postgraduate courses
· M. Ed (Master of Education)
· Ph. D. in Education | Any Discipline
· Selection in the N. E. T (National Eligibility Test) also enables you for a teaching career at University level

Eligibility and Admission process to courses
· Class XII completed

Aptitude and Skills needed

· Ability to use teaching strategies appropriate to students' level
· Ability to set an example by actions and words
· Strong knowledge in the subject
· Excellent communicators · Emotional Stability
· Interpersonal skills particularly with students
· Compassionate and Patient · Good Motivational skills

INDUSTRY GROWTH AND CAREER PROSPECTS

The RTE (Right to Education) Act, 2009 prescribes that all teachers must be qualified with a B.Ed. or D.Ed. and that the Pupil Teacher Ratio should be 30:1 for Primary Schools and 35:1 for Upper Primary Schools. This implies that there is an urgent need to increase the number of teachers recruited and certified in India.
India currently faces a shortage of over 12 lakh teachers, according to the Ministry of Human Resource Development. As a result many schools hire under-qualified contract teaching staff. India is faced with a dire need for quality in education and this can be fulfilled only with better and more motivated teachers joining the workforce.
Recognizing this need, there have been revisions in teaching salaries both in Government and Private schools and good teachers are hugely in demand.

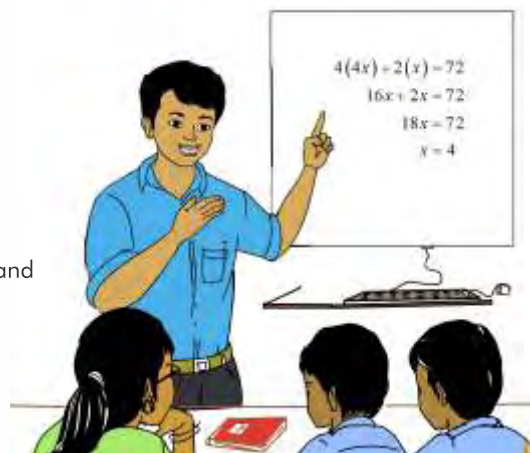## JOB OPPORTUNITIES

Government jobs

· Government Schools and Colleges

Private Sector

· Private Schools
· Training or Coaching Centres
· Lecturers and Professors in Colleges and Universities
· NGOs into education
· Educational Consultants to Schools

Self employed

· Independent Tuition Teachers
· Independent Coaching Centres and Schools

Work hours and day/night shifts:
Fixed hours| Day shifts

While selling technical products such as computer software, hardware, tech devices or machinery, buyers need to be given information about the technical features and functions of the products.

Technical Sales Engineers do this by taking customers through the technical aspects of the product.

Referred to as Systems Engineers or Pre-sales Support, they act as the Sales Team's technical encyclopedia during the sales process. They have deep product knowledge and perform technical presentations and conduct product demonstrations for customers.

Some of the tasks that Technical Sales Engineers do include:
· Handle customer enquiries
· Represent company at trade shows and events
· Attend training sessions to stay updated on new product features and upgrades
· Conduct technical demonstrations of products at customer site
· Travel to customer locations with Sales team to close sales deals
· Make comparative studies of technical features of products with competition

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. E| B. Tech in any stream
· B. Sc | B. Com| B. A. in any stream
· Certificate courses in various technologies
· Diploma courses in various technologies

Postgraduate courses

· M. Tech
· M. Sc in any stream

Eligibility and Entry into jobs

· Class XII completed in any stream

Aptitude and Skills needed

· Aptitude for technology
· Proven sales or marketing experience
· Strong interpersonal skills
· Effective communication and presentation skills
· Knowledge of selling and promotion techniques

INDUSTRY GROWTH AND CAREER PROSPECTS

As technology and automation advance at a rapid pace in our lives, the role of Technical Sales Engineer is absolutely essential to close the gap between the manufacturers of advanced products and their buyers.

Usually in Indian companies, Technical Sales Engineers have to support large Sales teams. Invariably, many Sales persons are simultaneously vying for the time and expertise of a few skilled and experienced Technical Sales Engineers in the organization.

In industries such as aeronautical, automotive, electrical, electronics, manufacturing, IT (Information Technology) and telecommunications, skilled and hardworking Technical Sales Engineers are in huge demand and the need is set to grow in the future.

JOB OPPORTUNITIES

Government jobs

· Public Sector Units and Government-run technology companies

Private Sector

· Private and multinational IT companies
· Telecommunications Sector
· Automobile and Automotive companies
· Engineering Product Manufacturers
· Electrical and Electronics companies

Work hours and day/night shifts:
Erratic hours | Day and Night Shifts

Technical Support teams provide assistance to users of various products and software in familiarizing themselves with the usage of the product, resolving technical problems and trouble-shooting.

End-customers of products and employees using a common platform or software in an organization are typical groups that need help from technical support teams. From home appliances like washing machines or mobile phones to computer software and hardware, users often need guidance on how to use specific features or tackle technical issues.

Technical Support persons talk to them over the phone or in person to understand their problem and hand-hold them through complex steps and procedures to resolve the issue.

Some of the tasks Technical Support employees do include:
· Provide support to employees in the company for software and network configuration, file backups, server support and general maintenance
· Take action on all internal IT helpdesk requests
· Assist with the testing of internal applications and projects
· Interact with customers on phone and e-mail

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B. E| B. Tech in any stream
· B. Sc | B. Com| B. A. in any stream
· Certificate courses in various technologies
· Diploma courses in various technologies

Those interested in career growth may take up:

Postgraduate courses
· M. Tech
· M. Sc in any stream

Eligibility and entry into jobs
· Class XII completed in any stream

Aptitude and Skills needed
· Thorough understanding of the company's products & services
· Strong communication (English and local languages) and Interpersonal skills
· Patience and ability to deal with difficult customers
· Logical thinking
· Good analytical and problem-solving skills
· Up-to-date technical knowledge

INDUSTRY GROWTH AND CAREER PROSPECTS

As our dependence on technology continues to grow at ever rapid pace, Technical Support functions will be in greater demand. Technical Support jobs can be similar to routine call center or BPO (Business Process Outsourcing) jobs. In some cases, technically qualified engineering graduates perform simple first level support functions that require little knowledge and offer very little opportunity for career growth.

Technical Support persons must aim for roles where they interact with users, gain technical knowledge across many products, troubleshoot and resolve challenging issues. They should also improve their job prospects by taking up certifications, gaining project experience or training in network support.
This will lead to career growth as Data Centre Operators, Network Administrators and Analysts.

JOB OPPORTUNITIES

Government jobs
· Large Central and State Government Departments which use computer systems for its employees
· Public Sector Units & Nationalized Banks

Private Sector
· FMCG (Fast Moving Consumer Goods) Companies
· Multinational IT companies
· Hardware Manufacturing companies such as laptops, printers, tablets and so on
· Pre-sales and post-sales teams of IT Companies
· BPOs offering Technical Support to many brands
· Private service providers in areas such as Telecommunications, Mobile Telephony, Network providers and so on
· Private Sector Organizations that use Computer Networks, Software, Hardware and Computer Systems for its employees

Educational sector
· Instructors offering certifications in various technical support functions, technologies, platforms etc
· Trainers in MNCs and IT companies providing training to new entrants in the Tech Support team

Self employed
· Set up your own independent Technical Support practice servicing small entrepreneurs and proprietorships

Work hours and day/night shifts:
Variable hours | Day and Night shifts

Technical Writing or Technical Communication is the communication of technical concepts in a simple manner so that even a non-technology person can understand how to use technology products like computer software, hardware or electronic gadgets. It has become an essential function as we live in an era of widespread technological use.

Technical Writers create User Manuals and Technical Documentation that help us to understand how exactly a software program works or how an electronic product has to be used. The Manual that accompanies a Washing Machine or a Mobile Phone and the Documentation that comes with a Software Package are examples of different forms of Technical Writing.

Technical Writers need a good understanding of technology and a sound command over language – English or regional languages. Besides User manuals, they also write Online Help Files, Instruction and Installation Guides, STM (Scientific, Technical and Medical) journals and so on.

Some of the tasks Technical Writers do include:
· Meet and discuss documentation requirements with clients
· Try out Software/Product to understand precisely how it works
· Revise and edit documentation written by junior writers
· Develop Online Help Windows and FAQ (Frequently Asked Questions) for employees and customers of the company

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. Sc. in Physics
· B. E| B. Tech in any discipline
· B. A in Literature | Mass Communication | Journalism and Mass Communication
· Certificate and Diploma courses in Technical Writing

Postgraduate courses

· M. C. J(Master of Communication and Journalism)
· M. Sc in Physics

Eligibility and Admission process to courses

· Class XII completed

Aptitude and Skills needed

· Aptitude for technology and research skills
· Good command over English and local languages
· Team work and Interpersonal skills
· Communication skills

INDUSTRY GROWTH AND CAREER PROSPECTS

India is a global centre for IT and Engineering related services. Software is one of India's chief exports to other countries.
These IT and Software Engineering companies require the services of skilled and trained Technical Writers to take care of their documentation needs.
As a result, Technical Writing is a $1 billion industry in India with a growing need for more writers each year.
With experience and skills, Technical Writers can move to senior roles in the field where they can manage the entire teams of Writers and Documentation Specialists.

JOB OPPORTUNITIES

Government jobs

· Public Sector Units in technology and Engineering fields
· Government Departments

Educational sector

· Instructors of Technical Writing at Institutes and Coaching Centres
· Technical Communication Trainers in Private companies

Self-employed

· Independent Technical Writers working as freelancers

Private sector

· Robotics
· Information technology
· Computer hardware and software
· Finance
· Aerospace
· Biotechnology
· Consumer electronics
· Healthcare
· Hospitality

Work hours and day/night shifts:
Fixed with some overtime| Day shifts

Textile Design is the field that improves the appearance, texture and use of textiles by a variety of techniques. It consists of Surface Design or Structural Design.
Surface Design is carried out with dyeing, printing, texturing or embroidery. Structural Design is done by improvising and altering the fabric through weaving, knitting, crocheting or felting (pressing together fibers).

Textile Designers understand different types of textiles and know which techniques work best to customize different textiles. They have the required knowledge about the history of textile fibers and different types of textile looms to blend yarns into new types of textiles.
They also make use of embroidery, weaves, textures, styles, prints and dyes to make textiles more attractive.

Some of the tasks Textile designers perform as part of their job includes:
· Prepare rough sketches to outline their ideas
· Create multiple samples for final approval
· Present finalized designs on CAD (Computer Aided Design) systems for the production
· Interact with technicians and weavers
· Research various design elements from different countries and cultures
· Experiment with colours, motifs and weaves

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· Bachelor of Design - B. Des (Textile Design)
· BA - Textile design / Diploma in Textile Design

Postgraduate courses
· Master of Design - M. Des (Textile Design)

Eligibility and Admission process to courses

· Class XII completed
· Selection in Entrance Tests of various Design Colleges and Institutes

Aptitude and Skills needed

· Knowledge about fabrics
· Good aesthetic sense and Aptitude for Design
· Good eye for colours, prints and textures
· Creative and innovative
· Technical skills related to the industry
· Skilled at using appropriate Computer Software
· Aware of environmental and societal concerns
· Updated on global trends in the textile industry

INDUSTRY GROWTH AND CAREER PROSPECTS

India's Textile Sector has a rich, long history making it a very vital element of the global Fashion Industry. Indian textiles are exported to many countries in the world. The sector is the second largest employer after agriculture, offering jobs to over 3.5 million people.

There has been a rapid growth in the Indian Fashion and Apparel industry as well as Textile exports from India.
Our domestic textile and apparel industry is estimated to reach USD 141 billion and textile exports to touch USD 82 billion by 2021.
Trained and skilled Textile Designers will be in demand as the sector is set to grow even more in the coming years.

JOB OPPORTUNITIES

Government jobs

· Central and State Textile Departments
· Government-owned Silk, Handloom, Khadi, Jute and Craft development organizations
· Government Textile Museums Ministry of Textiles

Private Sector

· Textile Mills
· Private Garment and Apparel Manufacturers and Retailers
· Fashion Industry
· Furnishings and Interiors segment
· Automobile interiors segment
· Textile Export houses

Educational sector
· Associate Professors at various Design Colleges and Universities

Research
· Private and Government owned research bodies in the field of textile research and development

Self employed
· Freelance textile designers who work with manufacturers, designers and private textile looms

Work hours and day/night shifts:
Fixed | Day shifts

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Textile Engineering or Textile Technology deals with the manufacture of textiles with a focus on making newer varieties to meet varying human needs.

Textile Engineers combine scientific manufacturing principles with design concepts to improve textile processes, products and machinery. Besides the garment industry, textiles are used for a variety of purposes such as furnishings, linen, carpets, tents, parachutes etc. Textile Engineers experiment with various man-made and natural fibres to meet these different needs.

They also ensure that manufacturing processes and factories meet safety and health standards and focus on energy conservation and waste and pollution control norms.
There is wide scope for research and development work in this field.

Some of the tasks Textile Engineers do on their job:
· Develop samples of various new textiles
· Research the production of man-made fibres
- Establish safety norms and environmental standards
- Evaluate, identify and choose fabrics from suppliers
· Quality control in terms of fibre, colour and durability of the textile manufactured

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. Tech in Textile Engineering
· Diploma in Textile Technology / Textile Engineering

Postgraduate courses

· M. Tech. in Textile Technology| Textile Engineering| Textile Chemistry
· M. Phil
· Ph. D.

Eligibility and Admission process into the course

· Class XII completed with Math & Science
· Selection in the entrance tests for admission into leading engineering colleges

Aptitude and Skills needed

· Understanding of different fabrics, dyes and production processes
· Updated on new trends and changing technologies
· Computer skills
· Ability to communicate well

INDUSTRY GROWTH AND CAREER PROSPECTS

India's domestic apparel industry and textile exports have been growing at a healthy pace in recent years. Many private textile manufacturers have set up new projects and the Government has also started many new initiatives including textile parks etc. India's emerging fashion industry is one cause for the growing need for innovative textiles.

Besides fashion and garments, textiles are being used in industry, medicine, research and space. Textile Engineers will be in great demand as they play an important role in these areas.

JOB OPPORTUNITIES

Government jobs

· Office bearers in Government textile co-operatives, textile museums and textile parks
· Government-sponsored silk, handloom, jute, khadi, and craft development organizations

Private sector

· Textile mills, manufacturers of soft furnishings and other textile-based products
· Knitwear manufacturing units
· Textile exporters
· Textile dyeing and printing units,
· Fashion retailers
· Design studios

Educational sector

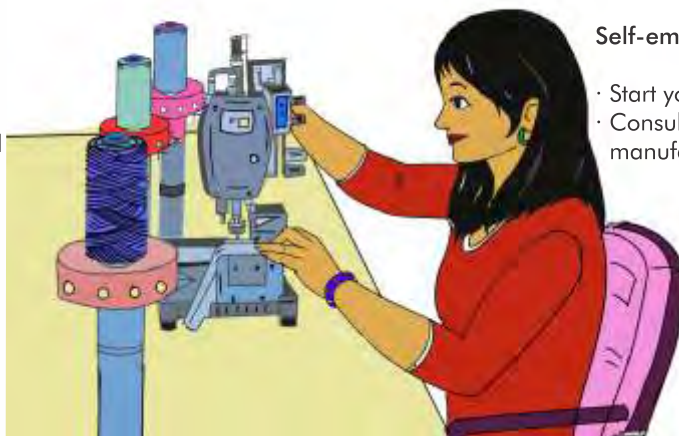· Lectures at universities/ institutes that teach Textile Engineering

Research

· Research and develop new fibre, new techniques, processes for treatment of fibre and machinery
· Research in testing and quality control

Self-employed

· Start your own textile manufacturing unit
· Consultancy to textile mill owners and manufacturers

Work hours and day/night shifts:
Fixed work hours | Day shift

Translators or Interpreters are trained to convey a message from one language to another without altering the meaning or richness of the communication. Translation and interpretation are very closely connected as they both involve knowledge and use of Foreign Languages.

However, Translators work on translating written text while Interpreters translate speeches and verbal communication.

Translators should not be focused on the mere substitution of words from one language to the other but instead they should convey the meaning and the underlying concept of the text in the most effective and convincing manner. While correct grammar and accurate words are important, their focus has to be on capturing the essence of the original text or speech.

Some of the tasks Translators perform include:
· Analyze work done by other translators to improve one's skills
· Research the project's background before starting on the translation
· Work in different types of projects to gain depth and range of skills
· Refer to dictionaries, grammar books and resources to make sure no mistakes are made
· Compile technical terms used in legal or technology firms into glossaries & databases for easy reference by translators
· Render spoken messages accurately, quickly, and clearly

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. A. in any Foreign Language of your choice
· Diploma or Certificate Courses in any Foreign Language of your choice

Postgraduate courses

· M. A in any Foreign Language of your choice (offered only by few Universities in India)

Eligibility and Admission process to courses

· Graduation in any discipline followed by short term or long term courses in the Foreign language of your choice

Aptitude and Skills needed

· Keen interest in Languages
· Knowledge about grammar, spelling, and punctuation
· Effective writing and speaking skills in the language
· Ability to maintain alphabetical, numerical, and subject filing systems
· Ability to interact courteously and confidently in the language
· Knowledge about basic cultural dos and don'ts while interacting in the foreign language

INDUSTRY GROWTH AND CAREER PROSPECTS

With increasing Globalization, International Trade is becoming a very common thing today. Multinational Companies, Government Departments and Trade Agencies - all feel the acute need for foreign language translators for handling their external communication needs in overseas markets.

Translation is set to be a multi-billion dollar industry in the coming few decades. However success in this field can be achieved only through in-depth knowledge of the language, work experience and understanding of the needs of different types of customers.

Candidates looking to make a career in this field should build their strength in translation by working on different types of content and practicing continuously to improve their language skills.

JOB OPPORTUNITIES

Government jobs

· Government Embassies and Diplomatic Missions
· Government Departments such as Tourism, Foreign Trade, International Affairs, Trade Bodies

Private Sector

· Private Multinational Companies
· Hotels and Resorts
· Travel Agencies
· Private Trading Organizations

Educational sector

· Associate Professors at various Universities that teach Foreign Languages
· Instructors and trainers at Language Training Institutes

Work hours and day/night shifts: varying hours depending on projects Day and Night shifts

There is a lot of work involved when people travel on a holiday, whether in India or abroad.The first thing they have to do is to choose from various beautiful holiday spots based on their budget and time. This is followed by planning an itinerary, booking train or flight tickets and hotels and ensuring that they manage to cover all the key tourist spots at their destination. The whole process can be very time consuming.

Travel Professionals make this much easier by taking over a lot of these functions for a fixed fee.
Travel Consultants or Travel Counsellors provide complete guidance on travel and aim to get clients best value on their trip. They provide clients with recommendations on holiday destinations, travel itineraries, hotel stay, planned activities and sight-seeing tours, arranging car rentals and every stage of the journey for their clients.
In India this service is still in a nascent stage.
It is more common to find Travel Agents and Tour Operators here. Their services are restricted to mostly transport arrangements and ticket booking. Some Travel Agents offer help with exchange rates, car rentals and tours as well.

Some of the tasks Travel Agents, Tour Operators do include:
· Make transport arrangements and ticket bookings
· Provide relevant information about a place to clients
· Assist with exchange control
· Organize Guided Tours to various spots
· Arrange for activities like river rafting, hang gliding, rock climbing and camping

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses

· B. A| B. Com in Travel & Tourism Management | Tourism Studies | Tourism Administration
· B. Sc. in Hospitality and Travel Management
· B. B. A in Travel & Tourism
· Undergraduate Diploma in Travel & Tourism Management and related areas
· Certificate courses by IATA (International Air transport Association)

Those interested in career advancement or teaching should do:

Postgraduate courses

· MTA (Master of Tourism Administration)

Eligibility and Entry into jobs

· Class XII completed in any stream

Aptitude and Skills needed

· Organizational skills
· Attention to detail, dates, locations
· Excellent Customer Service and communication skills
· Computer skills for booking and ticketing
· Appreciation of culture, customs and tourist destinations

INDUSTRY GROWTH AND CAREER PROSPECTS

Travel and tourism in India is not as mature a market as in other countries. Despite having tremendous potential, India's travel sector has not opened up and grown enough. However, in recent years with the increase in the disposable income of the middle class as well as global jobs, there is a huge surge in both business and leisure travel to India by foreign and domestic tourists. The Government is also promoting tourism and encouraging the travel industry to develop.
A shortage of trained professionals in the field has led to many Travel Companies starting their own Training Centres.
Though there may be many people operating in the field, there will be a growing demand for well-trained and high quality professionals in this area.

JOB OPPORTUNITIES

Government jobs
· Central and State Government Departments of Tourism
· Tourist information offices and Travel Desks at Airports and other centres
· Indian Railways

Private sector
· Private National and International Travel Agencies
· Travel Desk at Hotels and Resorts
· Travel BPOs
· Online Travel Booking Sites and Travel Portals · Cruise Liners · Private Airlines

EUROPE RETURN TRIP

FREE TRIP

Educational sector
· Lecturer or Associate Professor of Tourism and Travel Management at Colleges
· Instructors at private and IATA training institutes

Self-employed
· Set up your own independent Travel Consultancy or Travel Agency

Work hours and day/night shifts:
Depends on the line of work eg. Cruise Liners, Hotels etc. have day and night shifts

A veterinarian or veterinary surgeon is a physician for animals and birds.

Besides taking care of the health of animals, veterinary doctors perform surgeries, prevent spread of diseases among animals, administer vaccination, and give advice on animal breeding and welfare.

Veterinary science has many branches of study such as Animal Genetics and Breeding, Veterinary Gynaecology and Obstetrics, Veterinary Parasitology, Veterinary Pharmacology and Toxicology, Veterinary surgery and radiology, Animal Nutrition and so on.

A veterinarian has to handle some of the following tasks:
· Handling livestock
· Giving vaccinations to animals
· Treat illness and epidemics among animals
· Take steps to improve productivity of livestock and poultry

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· B.V.Sc &A.H. (Bachelor of Veterinary Science and Animal Husbandry)
· Diploma in Veterinary Pharmacy
· Diploma in Veterinary and Livestock Development Assistant

For teaching career or further advancement in your veterinary career you have to complete

Postgraduate courses
· M. V.Sc & A.H. (Master of Veterinary Science and Animal Husbandry)
· Ph.D. in related fields
· Post-graduation in wildlife

Eligibility and Admission process
· Class XII completed with science
· Selection via national level test conducted by Indian Council for Agricultural Research (ICAR) or state level tests

Aptitude and Skills needed
· Knowledge and techniques to treat animal injuries, diseases, and deformities
· Passion for health and well-being of animals
· Cognitive skills for diagnosis
· Quick decisions in emergencies
· Outdoor physical, manual work
· People skills, empathy with owners of animals

INDUSTRY GROWTH AND CAREER PROSPECTS

Given the growing number of livestock in our country, the availability of veterinary surgeons is very less in India.

This is a field that shows tremendous potential to grow but needs to attract more young people into it.

JOB OPPORTUNITIES

Government jobs

· Government veterinary hospitals
· Government owned wildlife sanctuaries, animal reserves, parks and zoos
· Animal husbandry department
· Army and other related Government services which have animals that need care

Private Sector

· Pharmaceutical industries
· Pet food manufacturing companies
· Private poultry and livestock farms
· Dairy and poultry products' processing companies
· Race clubs

Self-employed
· Own clinic in rural or urban areas

Research

· Research centers for developing new vaccinations and serums
· Dairy research institutes.
· Laboratories
· Pharmaceutical and drug manufacturing industries etc.

Educational sector
· Lecturer or Associate Professor in Veterinary Colleges

Work hours and day/night shifts:
Erratic work hours and shifts depending upon emergencies

Yoga is an ancient Indian practice that focuses on the well-being of our mind, body and spirit.

The science of yoga believes in promoting health by bringing our body and mind in tune with nature.

It includes several exercises, postures, meditation and breathing techniques that help to make our body fit while also soothing the mind.

There are many schools or styles of yoga such as Hatha Yoga, Iyengar's Yoga, Ashtanga, Vinyasa, Isha Yoga and so on – based on different founders of the practice and their varying approaches to Yoga. Each of these styles require different training.

Whichever the style, all Yoga Instructors have to:
· Understand medical history based on which yoga asanas are taught
· Guide students into breathing and meditation techniques and demonstrate asanas and help achieve postures
· Counsel students on food habits, sleep, lifestyle and natural healing methods
· Motivate students to practice regularly

EDUCATION & ELIGIBILITY

Educational Requirements

Undergraduate courses
· Specialized certificate courses such as YIC (Yoga Instructor Course), Yoga Teacher's Training Course, Yoga Therapy Instructor Course, Yoga Training for School Teachers and Advanced Teacher's Training Course etc.
· Diploma courses such as Diploma in Yoga Therapy and Diploma in Yoga Education etc.
· B. Sc. Yoga Therapy · B. Sc. Yoga & Consciousness
· BNYS (Bachelor of Naturopathy & Yogic Sciences)

Postgraduate courses
· PGDYT (Post Graduate Diploma in Yoga Therapy)
· M. Sc. in Yoga Therapy · M. Sc. (Yoga & Consciousness)
· M. D.(Yoga & Rehabilitation)   · M.Phil Yoga
· Ph. D. Yoga Associate's Degree in Physical Therapy Assistance
· B. Sc. in Holistic Care   · B. Sc. in Health and Fitness Management · Bachelor's Degree in Wellness

Eligibility and Admission process to courses
· Class XII completed

Aptitude and Skills needed
· Interest in holistic health and wellness
· Self-discipline and dedicated practice
· Calm disposition, patience and dedication
· Strong speaking and communication skills
· Ability to motivate students towards regular practice

INDUSTRY GROWTH AND CAREER PROSPECTS

In recent times, high stress levels and poor health have become a common occurrence in our cities. More and more people are turning to Yoga as a solution. The Government of India declared June 21, 2016 as International Yoga Day and set up a Ministry of Ayush to promote Yoga both in India and abroad.
With the sudden spurt in private yoga institutes and training centres, a huge demand for Yoga teachers and Yoga therapists has followed. However, competition is high and an instructor has to be recognized for his teaching skills before he can get steady flow of students and a premium fee.

JOB OPPORTUNITIES

Government jobs
· Yoga Instructors in Government Departments and Public Sector Units to train employees
· Yoga Therapists at various Government Ayurvedic and Naturopathy hospitals
· Yoga teachers at Government schools

Social sector
· NGOs working in the field of mental and psychological health
· Rehabilitation and De-addiction centre

Self-employed
· Set up your own Yoga centre and offer training
· Yoga therapist treating individual patients
· Personal Yoga Trainer

Educational sector
· Lecturer or Associate Professor at many of the Yoga training institutes & Colleges offering Teachers Training

Private sector
Yoga consultants, yoga therapists, yoga trainers/ instructors/ teachers at a range of private establishments such as
· Corporate Organizations as part of their employee wellness schemes
· Hotels and tourist resorts
· Housing societies and private residential complexes
· Gym and health centers
· Schools and Colleges
· Private hospitals
· Psychological Counseling centers and mental health facilities

Work hours and day/night shifts:
Flexible work hours | Daytime, evening, night, weekend or holiday shifts to suit the convenience of students and practitioners

All India Entrance Exams

Discipline	Entrance Exam	Courses (Degree/Professional Certification)	Institution (Affiliated Colleges)	Web Site
Accountancy	Chartered Accountants Foundation Examination after passing in the Senior Secondary Examination (10+2 examination) Intermediate Examination on completion of 8months of study course Final Examination on completion of the practical training or whileserving last 6 months of articled training	Chartered Accountancy	The Institute of Chartered Accountants of India	https://www.icai.org/ https://resource.cdn.icai.org/19323ca_atcourse260510.pdf
Accountancy	Chartered Accountants Foundation Examination after passing in the Senior Secondary Examination (Complete Communication and Soft Skill (CSS) Training- 3 days + Complete Computer Training-100 hrs) Intermediate Examination (Complete Industry Oriented Training Programme (IOTP)- 7 Days+ Complete Practical Training-3 years (6 months mandatory)) Final Examination (Complete Modular Training- 15 days) Apply and become member of the Institute	Cost Accountancy	The Institute of Cost Accountants of India	https://icmai.in/icmai/index.php
Actuarials	Actuarial Common Entrance Test (ACET)	Student: Any qualified person who enrolls for examination of the Institute, (An High School Certificate passed, graduate, post graduate, Engineer, MBA, CA, ICWA etc with sound knowledge in Mathematics & Statistics) is admitted as a student member of the Institute. Associate: Student member who have passed all Core Principle series and all Core Application series subjects is eligible (on application) to become Associate Member of the Institute. An Associate member is entitled to use the letters "AIAI" after his/her name.	Institute of Actuaries of India(IAI)	http://www.actuariesindia.org/ http://www.actuariesindia.org/subMenu.aspx?id=378&val=ACET_Background
Agriculture	AIEEA ICAR (All India Entrance Examination for Admission Indian Council of Agricultural Research)	Undergraduate Programs In Agriculture, Horticulture and Veterinary Science	https://education.icar.gov.in/new_college_detail.aspx	https://icar.org.in/node/119 http://www.iari.res.in/index.php?option=com_content&view=article&id=129&Itemid=887
Architecture	National Aptitude Test in Architecture (NATA)	5-year B.Arch. degree course	List of approved/ recognized institutions by the Council of Architecture is available on Council's website www.coa.gov.in.	http://www.nata.in/
Armed Forces	Indian Army Entry Scheme	Soldier General Duty (10th pass with 45% & each subject must contain 33% Soldier Clerk/Store Keeper (10+2 pass (60% marks)- Each subject 50% marks with Maths & English) Soldier Tech (10+2 pass (50% Marks), Each subject 40% marks with Physics, Chemistry, Maths) Soldier Nursing Assistant/Tech (RVC) (10+2 pass (50% Marks), Each subject must have 40% marks with Physics, Chemistry, Biology) Soldier Tradesman (10th / ITI and 8th pass (for some trades))	Indian Army	www.joinindianarmy.nic.in/
Armed Forces	Defence Indian Army Technical Entry Scheme (TES)	10+2 Technical Entry Scheme	National Defence Academy (NDA)	www.joinindianarmy.nic.in
Armed Forces	National Defence Academy and Naval Academy Examination (I)	NDA	NDA	https://nda.nic.in/
Civil Services	USPC Civil Services Examination	IAS, IPS, IFS	Union Public Service Commission	https://upsc.gov.in/
Design	Indian Institute of Crafts & Design (IICD)	4-Year Integrated Bachelors of Vocation Degree Specialisations: i. Soft Material Design ii. Hard Material Design iii. Fired Material Design iv. Fashion Design	INDIAN INSTITUTE OF CRAFTS & DESIGN, Jaipur	https://www.iicd.ac.in/

All India Entrance Exams

Discipline	Entrance Exam	Courses (Degree/Professional Certification)	Institution (Affiliated Colleges)	Web Site
Engineering	Joint Entrance Examination (JEE) Main	B.E/B.Tech/B.Arch	NITs, IIITs and CFTIs	https://jeemain.nic.in/webinfo/Public/Home.aspx
Engineering	Joint Entrance Examination (JEE) Advanced	B.E/B.Tech	Indian Institute of Technology (IITs)	https://jeeadv.ac.in/
Engineering	"Consortium of Medical, Engineering and Dental Colleges of Karnataka" (COMEDK) Entrance Test	B.E / B.Tech	COMEDK UGET Member Institutions	https://www.comedk.org/
Engineering	Joint Entrance Examination (JEE) Advanced	B.Tect/ B.Tech + MS	Indian Institute of Space Science and Technology (IIST)	https://www.iist.ac.in/admissions/undergraduate
Engineering	BITSAT	B.E., B. / M.SC (Integrated)	Birla Institute of Technology & Science (BITS)	http://www.bitsadmission.com/
Fashion Technology	B. Design Program- SOFT CET + Studio Test + Personal Interview to be cleared Diploma Program – Fashion Design ● SOFT CET + Studio Test +Personal Interview	B. Design	School Of Fashion Technology (SOFT)	https://soft.ac.in/ http://soft.ac.in/index.php/faqs/
Fashion Technology	NIFT Written Entrance Exam	B. Design- Fashion, Leather, Accessory, Textile, Knitwear Design and Fashion Communication	National Institute of Fashion Technology (NIFT)	https://nift.ac.in/ http://soft.ac.in/index.php/faqs/
Hotel Management	All India Hotel management Entrance Exam NCHMCT JEE	B.Sc. Hotel Management	http://nchm.nic.in/node/191 http://nchm.nic.in/node/192 http://nchm.nic.in/node/193 http://nchm.nic.in/node/194 http://nchm.nic.in/node/195	http://nchm.nic.in/
Humanity & Social Sciences	IIT Madras Humanities and Social Sciences Entrance Examination (HSEE)	Integrated Master of Arts (M.A.)	IIT Madras	http://hsee.iitm.ac.in/
Humanity & Social Sciences	TISS Bachelors Admission Test (TISS-BAT)	B.A	Tata Institute of Social Sciences	www.tiss.edu/admissions
Law	Common Law Admission Test	B.A. LL.B (Hons), B.Com. (Hons), BBA LL.B (Hons)	https://clatconsortiumofnlu.ac.in/ https://clatconsortiumofnlu.ac.in/private_universities.html	http://clat.ac.in/
Law	All India Law Entrance Test (AILET)	B.A. LL.B (Hons), B.Com. (Hons), BBA LL.B (Hons)	National Law University, Delhi	www.nludelhi.ac.in/
Maritime/ Merchant Navy	Indian Maritime University Common Entrance Test	BSc. (Nautical Science), B.SC(Ship Building and Repair), Diploma in Nautical Science	https://www.imu.edu.in//index.php?id=8	https://www.imu.edu.in//index.php?id=1
Marine, Navy, Defence	Indian Navy Engineer Entry	B.Tech	Indian Naval Academy	https://www.joinindiannavy.gov.in/en/account/login
Mathematics	Chennai Mathematical Institute- Common Entrance Examination	BSc (Hons) Mathematics and Computer Science, BSc (Hons) Mathematics and Physics	Chennai Mathematical Institute	https://www.cmi.ac.in
Medical/ Dental	National Eligibility Cum Entrance Test (NEET)	MBBS, MD, MS, BDS, MDS	Medical/Dental Colleges run with the approval of Medical Council of India/Dental Council of India	https://ntaneet.nic.in/Ntaneet/Welcome.aspx
Medical / Dental / Paramedical/ Nursing	AIIMS Entrance Exams	MBBS, B.Sc. (Hons) B.Sc. (Post Basic) Nursing, B.Sc. (Hons) in Medical Technology in Radiography Bachelor of Optometry- Paramedical	AIIMS (All India Institute of Medical Sciences)	https://www.aiimsexams.org/index.html
Sciences	IISER Aptitude Test (IAT)	B.SC	Indian Institutes of Science Education and Research- Berhampur, Bhopal, Kolkata, Mohali, Pune, Thiruvananthapuram, Tirupati	https://www.iiseradmission.in/
Sciences	National Entrance Screening Test (NEST)	5 year integrated M.Sc. programme in Biological, Chemical, Mathematical and Physical sciences	National Institute of Science Education and Research (NISER)Bhubaneswar, University of Mumbai- Department of Atomic Energy Centre for Excellence in Basic Sciences (UM-DAE CEBS), Mumbai.	https://www.nestexam.in/
Sciences	Kishore Vaigyanik Protsahan Yojana (KVPY), JEE, NEET	Bachelor Of Science (Research)	Indian Institute of Science (IISc)	https://www.iisc.ac.in/admissions/
Secretary	Company Secretary - Foundation Programme	Company Secretaryship Course Integrated Company Secretaryship Course (Full-Time)	The Institute of Company Secretaries of India	https://www.icsi.edu/ https://www.icsi.edu/media/webmodules/aboutus/courses/CS_Course_01042014.htm
Statistics	Indian Statistical Institute Admission	B Math (Hons), Bengaluru, B Stat (Hons), Kolkata	Indian Statistical Institute Bengaluru and Kolkata	https://www.isical.ac.in/
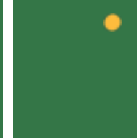
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