

VOCATIONAL STUDIES

CAREER GUIDE 2025

A photograph of two young men in a workshop or classroom setting. One student, wearing a blue shirt and a red tie, is seated and looking down at a laptop. The other student, wearing a plaid shirt, is standing and looking at the same laptop. In the background, there are shelves with various tools and a whiteboard.

For students wishing to pursue skill based Vocational courses in Airport Management, Animation & Graphic Design, Apparel Design, Bamboo & Wood Technology, Banking Services, Insurance & Retailing, Building Construction & Technology, Catering Technology & Hotel Management, Commercial Arts, Computer Applications, Culinary Arts, Early Childhood, E-Commerce & Digital Marketing, Entrepreneurship, Film & Video Production, Floriculture & Landscape Gardening, Food Processing & Quality Management, Health Care Management, Industrial Waste Management, Logistics Management, Medical Equipment Technology, Modern Office Management, Pottery & Ceramic Design, Recycled Craft Design, Renewable Energy, Retail Management, Solar Energy, Textile Dyeing & Printing, Traditional Arts & Crafts, Water Sanitation & Waste Management etc.after 12th in India

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Terms of Use

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

What are Vocational Studies?

While college education often provides theoretical or broad knowledge that could be applied to a variety of professions within a certain field, vocational training teaches students the precise skills and knowledge needed to carry out a specific craft, technical skill or trade, such as plumbing or cooking.

College education often includes courses on a variety of subjects that may not directly relate to a student's major and that a graduate may not use in their career. Vocational school, on the other hand, skips this type of broad academic study and instead provides direct knowledge and instruction for a specific field or position.

The vocational type of education is designed to make students "work ready" upon graduation. It provides practical education, so students develop specific industry skills that allow them to jump right into your profession and get started. Key features of vocational education and training are classroom training combined with hands-on training, providing students with a complete understanding of concepts in their field and how to carry out the duties of their trade.

Vocational programs exist for a variety of careers. Students could choose this type of educational pathway for technical training to learn computer skills. Students can learn the skills needed for many creative fields this way, such as dressmaking, photography, culinary arts, fashion design, interior design or cosmetology. Vocational school also provides training for many hands-on trades that are necessary to the functioning of society, such as masonry, carpentry, heating and air conditioning, automotive repair, plumbing or electrical work. It can also provide the means for learning certain professional fields such as bookkeeping, medical assisting or court reporting.

Career Prospects after Education in Vocational Studies

There is a plethora of careers available for students of Vocational Studies. It depends upon the specialization (refer to the list provided in this booklet). A few career options are given below for purposes of illustration.

Air traffic controller

Air traffic controllers monitor the movement of aircraft and provide instructions for manoeuvres such as take-off and landing. They are also responsible for managing emergency procedures under their purview.

Animator

Animators design and create imagery for media such as video games, television and movies. They collaborate with a team of writers and producers and leverage computer software to develop their art.

Auto mechanic

Automotive mechanics diagnose and repair issues with vehicles such as cars, trucks and commercial vehicles. They frequently provide price quotes before beginning their work and communicate with their colleagues and clients throughout the repair process.

Building maintenance technician

Building maintenance technicians troubleshoot and maintain structures, grounds and equipment, usually at businesses and institutions such as hospitals and schools. Some of the systems they maintain include HVAC, plumbing and electrical as well as safety and security upkeep.

Carpenter

Carpenters build and repair structures such as homes, business and other buildings. Most carpenters read blueprints and carry out architectural instructions, and some perform extended planning tasks and project bidding.

Certified nursing assistant

Certified nursing assistants support nursing staff in hospitals, clinics and other healthcare facilities. They often check vital signs, provide emotional support and assist with functions of daily life such as eating and bathing.

Chef

Chefs plan and prepare menus for establishments such as restaurants, cafes, bars and hotels. They often also manage their kitchen budget, staff scheduling and safety procedures.

Construction manager

Construction managers oversee the operations of a construction site, from planning to completing the job. They monitor budgets, delegate tasks, handle personnel matters and oversee team performance and metrics.

Cosmetologist

Cosmetologists provide a variety of beauty services to their clients, either as employees of a salon or independent business owners. They perform services such as hair colouring, haircutting, hair styling and face and nail treatments.

Database administrator

Database administrators maintain software databases like customer records, user accounts and other sometimes sensitive personal information. They are responsible for providing authorized access to database records and maintaining server security.

Dental hygienist

Dental hygienists evaluate and maintain oral health and cleanliness for their patients. They often take X-ray images and perform teeth cleanings.

Diesel mechanic

Diesel mechanics diagnose and repair diesel vehicles and equipment. They troubleshoot problems, implement solutions and interact with customers as a regular part of their daily functions.

Electrician

Electricians install, repair and maintain electrical wiring and equipment in homes and commercial buildings. They often plan the layout of their wiring, troubleshoot electrical issues and repair existing wiring as well.

Forklift operator

Forklift operators are trained professionals who use forklifts to move heavy loads at warehouses, construction sites and factories. They often also prepare materials for shipping, track inventory and perform basic equipment maintenance.

Groundskeeper

Groundskeepers maintain the exterior features of a building, such as gardens and lawns. They often collaborate with other outdoor maintenance professionals such as landscape architects and gardeners to keep outdoor spaces clean and attractive.

Handy worker

A handy worker, colloquially known as a handyman, performs maintenance tasks in homes and commercial buildings. Common tasks including painting, hardware installation, window cleaning and repairs and outdoor tasks such as cleaning gutters and trimming trees.

Logistics manager

Logistics managers coordinate a business or organization's supply chain. They handle tasks such as monitoring inventory, developing supplier relationships and organizing shipping schedules.

Machine operator

Machine operators use heavy equipment to perform tasks such as manufacturing, assembly and disassembly. Some types of equipment they might run include milling machines, rolling machines, moving machines and construction machines.

Network technician

Network technicians build, maintain and troubleshoot computer networks. They often provide customer service in the form of technical support.

Occupational therapy assistant

Occupational therapy assistants support the operations of an occupational therapist in caring for and helping rehabilitate patients. They frequently help with repositioning less mobile patients, documenting client progress and demonstrating exercises.

Paralegal

Paralegals are specialized legal professionals who support the functions of a law office. They often research cases, prepare legal documents and handle administrative office tasks.

Pilot

Pilots operate aircraft such as helicopters and airplanes to transport people and goods from place to place. They often specialize in one form of vehicle or cargo, and one of their key job functions is ensuring the safety of those on board.

Plumber

Plumbers plan, install, maintain and repair the pipes that carry gases and fluids to, from and within a building. They often plan the layout of pipes in a residence or commercial building, collaborate with other construction professionals and troubleshoot plumbing problems.

Radiologic technologist

Radiologic technologists perform imaging scans such as MRIs, CT scans and X-rays. They are responsible for maintaining best practices in image quality and patient and technician safety.

Real estate agent

Real estate agents help residential and commercial clients find homes and businesses to buy or rent. They help match buyers with their preferred listings, offer showings and provide assistance through the purchasing process.

Truck driver

Truck drivers operate heavy trucks or tractor-trailers to transport goods long or short distances, depending on their specific role. They are responsible for loading and unloading their truck, safely driving in accordance with all applicable laws and recording their hours and condition of their truck as necessary.

Ultrasound technician

Ultrasound technicians use ultrasound technology to perform digital imaging services in medical settings such as clinics and hospitals. The images they capture of soft tissues and organs can then be used to help diagnose and treat illness.

Veterinary technician

Veterinary technicians provide assistance to veterinarians in the clinical setting. They help with diagnostic testing, surgery and administering medication as well as maintaining the clinic environment.

Web developer

Web developers write the code that allows websites to run. Web developers can specialize in front end development, back end development or both, known as full-stack web development.

Welder

Welders skilfully use extreme heat to join pieces of metal together, often for construction or machine purposes. They might weld pieces together using handheld equipment or remotely using computer software controlled equipment.

Government Jobs

Major employers in the government sector include defence, police, railways, India Post, public sector undertakings and infrastructure development initiatives. Some career options after 10th that are most sought after are Railways, Defence and Paramilitary Forces, Staff Selection Committee

Private Sector Jobs

A multitude of jobs are available, right from single-owner establishments to large conglomerates across a variety of job profiles.

Self-Employment

Individuals can set up their own business ventures based on their specific skill sets and education

Qualities required in the Candidate who wishes to pursue
Vocational Studies

Communication

Team Work

Problem Solving

Critical Thinking

Practical application oriented Skills

Degrees Available in Vocational Studies

Degree Nomenclature	Level	Duration	General Eligibility
B.Voc. (Bachelor of Vocation)	Bachelors	3/4 Years	10+2 any stream
B.A. (Voc. Studies) (Bachelor of Arts in Vocational Studies)	Bachelors	3/4 Years	10+2 any stream
B.Com. (Bachelor of Commerce – Vocational)	Bachelors	3/4 Years	10+2 any stream

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

Specializations available in Vocational Studies

Specializations

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| <ul style="list-style-type: none"> • 3D Animation • Accounting and Related Fields • Acting • Agricultural Sciences and Business • Airport and Airline Management • Animation & Graphic Design • Apparel Design & Manufacturing • Applied Computer Technology • A.I. & Machine Learning • Automobile Technology • Bamboo & Wood Technology • Banking Fin. Services & Insurance • Beauty Salon and Spa • Biomedical Sciences • Building Construction & Tech. • Business Process & Data Analytics • Chemical and Petrochemical Engg. • Clinical & Aqua Lab. Technology • Commercial Aquaculture • Commercial Art • Culinary Arts • Data & Web Analytics • Digital Film Production • E-Commerce & Digital Marketing • Entertainment • Farming Technology • Fashion Design & Management • Fashion Styling & Grooming | <ul style="list-style-type: none"> • Green House Management • Hardware Technology & Networking • Horticulture Science • Hospital Administration & Management • Hospitality & Culinary Arts • Hospitality & Tourism Management • Human Resource Management • Industrial Aquaculture & Fisheries • Industrial Automation • Industrial Microbiology • Industrial Waste Management • Information & IT Services • Interior Designing • Internet Of Things • Live Stock Production & Management • Logistics Management • Management & Entrepreneurship • Mass Communication • Material Management • Media & Entertainment • Medical Equipment Technology • Medical Imaging Technology • Medical Lab & Molecular Diagnostic Tech. • Medical Lab Technology • Modern Office Management • Networking & System Administration | <ul style="list-style-type: none"> • Pottery & Ceramic Design • Printing & Publishing • Processing & Food Engineering • Production Technology (Tool & Die) • Radiology & Medical Imaging Tech. • Real Estate Management • Recycled Craft Design • Refrigeration & Air Conditioning • Renewable Energy Technology • Retail & Logistics Management • Retail Management & Foreign Trade • Retail Management and IT • Rubber Technology • Sericulture • Small and Medium Enterprises • Small Tea Garden Management • Software Development • Soil & Water Conservation • Solar Energy • Sports Nutrition & Physiotherapy • Sustainable Agriculture • Telecommunications • Telematics • Textile Design • Textile Dyeing & Printing • Theatre Study & Acting • Traditional Arts & Crafts |
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<ul style="list-style-type: none"> • Financial Market & Services • Fisheries & Farm Management • Floriculture & Landscape Gardening • Food Processing Technology • Foundry Technology • Garment Designing • Gemmology 	<ul style="list-style-type: none"> • Nursery Management Technology • Nutrition & Health Care Science • Office Mgmt. and Secretarial Practice • Operation Theatre Technology • Ophthalmic Technology • Paramedical & Health Administration • Pharmaceutical Chemistry • Plant Propagation • Polymer & Coating Technology 	<ul style="list-style-type: none"> • Vehicle Testing • VFX & Film Making • Visual & Applied Arts • Visual Communication Technology • Visual Media & Film Making • Water Sanitation & Waste Mgmt. • Web Technology & Multimedia • Well and Mining Engineering
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Specialization wise Course Description and Core Subjects of Study

Specializations :

3D Animation

Description of the course :

3D Animation refers to the study and application of creating three-dimensional moving images through computer-generated graphics (CGI). The degree program equips students with the technical skills, artistic understanding, and professional knowledge necessary to work in various sectors, including film, television, video games, advertising, and digital media.

Core subjects of study :

- 2D Animation
- 3D Animation with Voice-Over
- 3D Animation& Rigging
- 3D Character Modeling& Rigging
- 3D Set-Modeling, Texturing, Lighting and Rendering
- Advanced 2D Animation and Cartooning
- Advanced 3D Dynamics and Compositing
- Advanced 3D Modeling
- Basic Drawing Skills, Perspective & Anatomy
- Basics of Gaming & Apps Designing
- Basics of Photography & Videography
- Character Design
- Clay-Modeling & Stop-Motion
- Documentation & Presentation Skills
- Film Studies - Appreciation and Structure
- Fundamentals and Principles of Animation
- ICT & Soft Skills Training
- Introduction to Graphic Design & Multimedia
- Life Issues and Coping Strategies
- Lighting & Compositing
- Match Moving
- Modeling & Texturing
- Production Concepts and Applicability
- Professional Skills for Animation
- Rendering& VFX

- Shooting for Chromakeying
- Short Film Creation
- Story-boarding and Character Design
- VFX and Editing Techniques

Specializations :

Accounting and Related Fields

Description of the course :

It focuses on providing practical skills and knowledge related to managing financial records, transactions, and accounts. It includes subjects like bookkeeping, financial accounting, cost accounting, taxation, auditing, and financial management. The specialization aims to equip students with the ability to work in various accounting and finance roles, preparing them for careers in industries such as business, banking, and government. The emphasis is on real-world application and job readiness.

Core subjects of study :

- Accounts Executive (Payables & Receivables)
- Accounts Executive (Statutory Compliance)
- Auditing and Assurance
- Business Analytics
- Business Economics
- Business Law and Ethics
- Corporate Finance
- Corporate Governance
- Cost Accounting
- Entrepreneurship and Small Business Management
- Financial Accounting
- Financial Management
- Financial Reporting and Analysis
- International Finance
- Investment Analysis and Portfolio Management
- IT for Finance and Business (Business Statistics with R Programming)
- Management Accounting
- Risk Management and Insurance
- Strategic Management
- Taxation Laws and Practices

Acting

Description of the course :

It focuses on developing skills and techniques required for performing in various forms of media, such as theatre, television, and film. This program teaches students the art of acting, including character development, voice modulation, body language, and emotional expression. It prepares them for careers in acting, whether on stage or in front of a camera, and helps students understand the industry, including production, direction, and performance-related aspects. The specialization emphasizes practical training and hands-on experience.

Core subjects of study :

- Audio Production
- Communication Skills
- Event Management
- Forms of Theatre
- Forms of Theatre
- Fundamentals of Acting
- Fundamentals of Acting
- Fundamentals of Direction
- Fundamentals of Direction
- Introduction to Indian Theatre
- Performing Arts
- Performing Arts
- Performing Arts
- Personality Development
- Production Management
- Production Management (Practical)
- Production Management (Theory)
- Stage Craft
- Stage Craft
- Study of Theatrical Script and Play
- Study of Theatrical Script and Play (Practical)
- Study of Theatrical Script and Play (Theory)
- Theatre Techniques
- Theatre Techniques and Designing
- Theatrical Costume

Airport and Airline management

Description of the course :

Airport and Airline management focuses on the practical and managerial aspects of running and operating airports. This program combines theoretical knowledge with hands-on training in areas such as airport operations, passenger services, security management, airline management, logistics, and aviation safety. The goal is to prepare students for careers in the aviation industry, specifically in airport management, by

equipping them with the skills needed to handle the operational, administrative, and customer service challenges at airports.

Core subjects of study :

- Adventure Tourism
- Air Cargo Management
- Air Regulation
- Air Transport In Tourism
- Air Travel Management
- Aircraft & Engines Interiors & Exteriors
- Aircraft Load Operations
- Airline Etiquettes
- Airline Reservation And Ticketing
- Airport Operations
- Aviation Ancillary Services
- Aviation Industry
- Aviation Security & Safety Management
- Aviation Weather And Metar
- Baggage Handling
- Flight Operations
- Front Office Operations
- Fundamentals Of Tourism
- Geography Of Tourism
- Travel Agency And Tour Operation

Animation & Graphic Design

Description of the course :

Animation & Graphic Design program focuses on developing practical skills in visual communication, digital media creation, and animation techniques. This specialization equips students with the knowledge and hands-on experience required for careers in animation, graphic design, multimedia arts, and visual storytelling. Students learn to use industry-standard software for creating both static and dynamic visuals, including 2D/3D animation, motion graphics, web design, branding, and print materials, preparing them for roles in creative industries like advertising, entertainment, digital media, and design.

Core subjects of study :

- Animation Theory
- Corel Draw and Photoshop
- Dreamweaver
- Flash
- Internet Technology & Web Designing

- Modeling
- Texturing, Lighting & Rendering
- Understanding of Multimedia & Animation

Apparel Design & Manufacturing

Description of the course :

Apparel Design & Manufacturing program focuses on equipping students with the practical skills and technical knowledge required to design, produce, and manage the manufacturing of clothing and textiles. This specialization covers areas such as garment design, pattern making, fabric selection, textile technology, garment construction, fashion trends, and production management. Students gain hands-on experience in both the creative and technical aspects of the fashion industry, preparing them for roles in apparel design, production, quality control, and merchandising within the fashion and textile sectors.

Core subjects of study :

- Apparel Production Technology
- Costing and Quality Control
- Draping Techniques
- Fashion Design Principles
- Fashion Illustration
- Fashion Marketing and Branding
- Fashion Merchandising
- Pattern Making and Garment Construction
- Sustainability in Fashion
- Textile Science

Applied Computer Technology

Description of the course :

Applied Computer Technology program focuses on providing students with practical skills and knowledge in computer systems, software applications, and technology solutions. This specialization prepares students to work in fields such as software development, network administration, data management, and IT support, combining technical expertise with real-world applications in various industries. It emphasizes hands-on learning, problem-solving, and the use of modern technologies to address real-world challenges in the computing field.

Core subjects of study :

- Advance PHP (OOP, CMS, WordPress)
- Advance Web Designing (jQuery, CSS framework, AJAX, Responsive Layout)
- Basic Animation using Flash
- Building logic using C Language

- Core Java
- Desk Top Publishing (Photoshop & Corel Draw)
- Editorial Communication Skill
- Foundation of Speed Mathematics and Statistics
- Fundamental of Computer (PC Software - MS Office & DOS)
- Fundamental of Networking
- Graphics and Multimedia
- Mobile Computing with Android
- Mobile Computing with IOS
- Object Oriented Programming using C++
- Programming with C#.NET
- RDBMS using MS SQL Server
- Web Designing & Internet (HTML ,CSS, JavaScript)
- Web Development using PHP/MYSQL
- Web Programming with ASP.NET

A.I. & Machine Learning

Description of the course :

A.I. & Machine Learning is a specialized field that teach students how to develop systems capable of performing tasks that typically require human intelligence, such as problem-solving, decision-making, and pattern recognition. A.I. focuses on creating machines that can simulate human cognitive functions, while Machine Learning, a subset of A.I., involves algorithms that allow computers to learn from data and improve their performance without explicit programming. This specialization prepares students to apply these technologies in real-world applications, equipping them with practical skills for careers in industries like technology, healthcare, and finance.

Core subjects of study :

- AI in Business and Industry Applications
- Artificial Intelligence
- Basics of Programming & Data Structures
- Big Data Analytics
- Cloud Computing for AI & ML
- Data Science
- Deep Learning
- Ethics and Safety in AI
- Machine Learning
- Mathematics for Machine Learning
- Project Work and Internships
- Soft Skills & Professional Development

Automobile Technology

Description of the course :

Automobile Technology focuses on the study and application of various skills related to vehicles, including their design, manufacturing, maintenance, and repair. It covers topics such as engine technology, automotive systems, vehicle diagnostics, and safety features. Students in this specialization gain practical knowledge and technical expertise needed for working in the automotive industry, preparing them for roles in car manufacturing, servicing, and management.

Core subjects of study :

- Automotive Chassis and Suspension Systems
- Automotive Diagnostics and Troubleshooting
- Automotive Electrical and Electronics
- Automotive Emission Control
- Automotive Manufacturing and Fabrication
- Automotive Materials
- Automotive Powertrain and Transmission
- Automotive Safety and Standards
- Basics of Automobile Engineering
- Engine Components and Systems
- Hybrid and Electric Vehicles
- Project Work and Internships
- Soft Skills & Professional Development
- Vehicle Air Conditioning and HVAC Systems
- Vehicle Maintenance and Repair

Bamboo & Wood Technology

Description of the course :

Bamboo & Wood Technology focuses on equipping students with the knowledge and skills to work with bamboo and wood as sustainable materials for a wide range of applications. The program covers various aspects of bamboo and wood processing, design, and manufacturing, including techniques for creating furniture, construction materials, and decorative items. Students also learn about the environmental benefits of using these natural resources, along with modern methods for enhancing their strength, durability, and aesthetic appeal.

Core subjects of study :

- Advanced Bamboo and Wood Engineering
- Bamboo and Wood Identification
- Environmental Impact of Bamboo and Wood Industries

- Furniture Design and Manufacturing
- Introduction to Bamboo and Wood Technology
- Project Work and Internships
- Soft Skills & Professional Development
- Sustainable Use of Bamboo and Wood
- Wood and Bamboo Crafting Techniques
- Wood and Bamboo Preservation Techniques
- Wood and Bamboo Processing
- Wood and Bamboo Product Manufacturing
- Wood and Bamboo Properties

Banking Financial Services & Insurance

Description of the course :

Banking, Financial Services, and Insurance (BFSI) focuses on teaching students the essential skills and knowledge required to work in the banking and financial sectors. It covers topics such as managing financial transactions, understanding banking operations, insurance policies, investment strategies, and risk management. This specialization prepares students for careers in areas like banking, insurance, financial advisory, and wealth management, equipping them with practical skills to serve customers and manage financial services effectively.

Core subjects of study :

- Accounting and Financial Management
- Banking Operations and Management
- Digital Banking and Financial Technologies (FinTech)
- Financial Markets and Institutions
- Introduction to Banking and Financial Services
- Investment Analysis and Portfolio Management
- Principles of Insurance
- Project Work and Internships
- Regulatory Framework in Banking and Insurance
- Retail Banking and Customer Relationship Management
- Risk Management in Banking and Insurance
- Soft Skills & Professional Development
- Taxation and Compliance in Financial Services
- Wealth Management and Financial Planning

Beauty Salon and Spa

Description of the course :

Beauty Salon and Spa focuses on teaching students the skills and techniques needed to provide beauty and wellness services. This includes hair styling, skincare, makeup, massage therapy, and spa treatments. Students learn both practical and customer service skills to work in beauty salons, spas, and wellness centres. The specialization prepares students for careers in the beauty and wellness industry, focusing on enhancing clients' appearance and well-being.

Core subjects of study :

- Cosmetic Chemistry and Product Knowledge
- Customer Service and Communication Skills
- Entrepreneurship in Beauty and Wellness
- Hair Care and Hairdressing
- Health and Hygiene in Beauty Services
- Introduction to Beauty and Wellness Industry
- Makeup Artistry
- Massage Techniques and Body Therapy
- Nutrition and Wellness
- Project Work and Internships
- Salon and Spa Equipment Handling
- Salon and Spa Management
- Skin Care and Dermatology
- Soft Skills & Professional Development
- Spa Therapy and Treatments

Biomedical Sciences

Description of the course :

Biomedical Sciences focuses on teaching students the scientific principles behind human health, disease, and medical treatments. It includes studying topics such as human biology, laboratory techniques, medical diagnostics, and disease prevention. Students learn how to conduct tests and research to help in the diagnosis and treatment of illnesses. This specialization prepares students for careers in healthcare, medical laboratories, and research, where they can contribute to improving public health and medical outcomes.

Core subjects of study :

- Biochemistry
- Biostatistics and Research Methods
- Biotechnology
- Cell and Molecular Biology
- Clinical Laboratory Techniques
- Genetics and Genomics
- Human Biology and Anatomy

- Immunology
- Medical Ethics and Law
- Medical Imaging and Diagnostic Techniques
- Microbiology
- Pathology
- Pharmacology
- Physiology
- Public Health and Epidemiology

Building Construction & Technology

Description of the course :

It focuses on equipping students with practical skills and knowledge related to the construction industry. It covers topics such as building design, construction techniques, materials, safety measures, project management, and sustainable building practices. The goal is to train students for hands-on roles in construction projects, preparing them for careers in managing, designing, and overseeing the construction of buildings and infrastructure. This specialization blends both technical and managerial aspects of the construction industry.

Core subjects of study :

- Building Codes and Standards
- Building Construction Techniques
- Building Drawing and Drafting
- Building Services and Utilities
- Concrete Technology
- Construction Management and Project Planning
- Construction Materials
- Environmental and Sustainable Construction
- Estimating and Costing
- Geotechnical Engineering
- Interior and Exterior Finishing
- Quantity Surveying
- Safety and Site Management
- Structural Engineering
- Surveying and Levelling

Business Process & Data Analytics

Description of the course :

It focuses on teaching students how to analyse and improve business processes and use data to make informed decisions. It includes learning how to collect, interpret, and analyse data to help businesses

optimize their operations, increase efficiency, and solve problems. Students gain skills in data analysis tools, business strategies, and process management, preparing them for roles where they can improve business performance through data-driven insights.

Core subjects of study :

- Big Data Analytics
- Business Intelligence and Reporting
- Business Process Management
- Business Process Optimization
- Data Analytics Fundamentals
- Data Collection and Data Management
- Data Mining and Predictive Analytics
- Data Visualization Techniques
- Database Management and SQL
- Digital Transformation and Innovation
- Enterprise Resource Planning (ERP) Systems
- Ethics and Data Privacy
- Introduction to Business Processes
- Project Management for Data Analytics
- Statistical Analysis for Business

Clinical & Aqua Lab. Technology

Description of the course :

Clinical & Aqua Lab Technology as a specialization combines the study of laboratory techniques in both healthcare and environmental sectors. It trains students to work with medical diagnostic tools in clinical labs, analysing human samples like blood and urine to assist in disease diagnosis and patient care. Simultaneously, it covers aquatic environmental monitoring, focusing on water quality testing, pollution control, and sustainable practices in aquaculture. This dual focus prepares students to work in both medical and environmental laboratories, equipping them with practical skills for diverse industries.

Core subjects of study :

- Aqua Culture and Fisheries Science
- Aqua Laboratory Management
- Aquatic Microbiology
- Aquatic Toxicology
- Clinical Biochemistry
- Clinical Chemistry and Analysis
- Clinical Diagnostic Equipment and Instrumentation
- Environmental and Pollution Monitoring
- Hematology and Blood Banking
- Introduction to Clinical Laboratory Technology

- Laboratory Safety and Quality Control
- Microbiology and Immunology
- Pathology and Diagnostic Techniques
- Research and Analytical Techniques in Clinical and Aqua Labs
- Water Quality Testing and Analysis

Commercial Aquaculture

Description of the course :

Commercial Aquaculture, as a specialization in a B.Voc (Bachelor of Vocational Studies) program, refers to the practice of breeding, raising, and harvesting aquatic animals and plants in controlled environments for profit. This includes activities like fish farming, shrimp farming, and the cultivation of aquatic plants, with a focus on sustainable practices and efficient production methods. The goal is to produce high-quality products for sale in the market, while managing resources like water, feed, and energy in a way that ensures long-term profitability and environmental sustainability.

Core subjects of study :

- Aquaculture Business and Economics
- Aquaculture Equipment and Technology
- Aquaculture Farming Systems
- Aquaculture Policy and Regulations
- Aquatic Animal Health Management
- Aquatic Disease Management and Control
- Breeding and Genetics in Aquaculture
- Environmental Impact of Aquaculture
- Fish and Shrimp Farming Techniques
- Fish Biology and Physiology
- Fish Nutrition and Feed Management
- Introduction to Aquaculture
- Post-Harvest Handling and Processing of Aquatic Products
- Sustainability and Resource Management in Aquaculture
- Water Quality Management

Commercial Art

Description of the course :

Commercial Art is the study of visual art used for commercial purposes, such as advertisements, product packaging, and branding. This field focuses on creating artwork that communicates a message to the public. Students learn to design logos, posters, brochures, and digital content using both traditional and modern tools. The goal is to make products and services more appealing and recognizable in the market.

Core subjects of study :

- Advertising and Branding
- Art History and Visual Communication
- Colour Theory and Application
- Design Principles and Elements
- Digital Media and Graphic Software
- Graphic Design
- Illustration Techniques
- Introduction to Commercial Art
- Marketing and Consumer Psychology
- Packaging Design
- Photography for Commercial Art
- Portfolio Development and Presentation
- Print Production and Media
- Typography and Lettering
- Web Design and User Interface (UI) Design

Culinary Arts

Description of the course :

Culinary Arts is the study and practice of preparing, cooking, and presenting food. It covers a wide range of skills, from basic cooking techniques to advanced food styling. Students learn about different cuisines, food safety, nutrition, and how to work in professional kitchens. A focus is also placed on creativity in creating new dishes and improving traditional recipes.

Core subjects of study :

- Baking and Pastry Arts
- Cost Control and Inventory Management
- Culinary Business and Entrepreneurship
- Culinary Skills and Techniques
- Food and Beverage Service
- Food Preparation and Cooking Techniques
- Food Presentation and Plating
- Food Safety and Hygiene
- Garde Manger (Cold Kitchen) Techniques
- Hospitality and Customer Service
- International Cuisines and Cooking Styles
- Introduction to Culinary Arts
- Kitchen Management and Operations
- Menu Planning and Recipe Development
- Nutrition and Food Science

Data & Web Analytics

Description of the course:

Data & Web Analytics involves collecting and analysing data from websites and digital platforms to understand user behaviour and improve online experiences. Students learn to use various tools to analyze data, interpret results, and make informed decisions that help businesses grow. They also explore how to track web traffic, measure social media success, and use data to enhance marketing strategies.

Core subjects of study:

- Big Data Analytics
- Business Intelligence and Reporting
- Data Collection and Data Management
- Data Interpretation and Decision-Making
- Data Mining and Predictive Analytics
- Data Visualization Tools and Techniques
- Database Management and SQL
- Ethics and Data Privacy
- Google Analytics and Other Web Analytics Tools
- Introduction to Data Analytics
- Search Engine Optimization (SEO) and SEM
- Social Media Analytics
- Statistical Analysis and Techniques
- Web Analytics Fundamentals
- Web Technologies and HTML/CSS

Digital Film Production

Description of the course :

Digital Film Production is the process of creating movies, documentaries, and videos using digital technology. Students learn all aspects of filmmaking, including storyboarding, camera work, editing, sound, and special effects. This field covers both creative and technical skills, allowing students to produce high-quality films for entertainment, advertising, or education.

Core subjects of study :

- Cinematography and Camera Techniques
- Digital Filmmaking Tools and Software
- Directing and Production Management
- Film Distribution and Marketing
- Film Editing and Post-Production
- Film Ethics and Copyright Laws

- Film Genre and Style
- Film Production and Budgeting
- Film Soundtrack and Music Composition
- Film Theory and History
- Introduction to Digital Film Production
- Lighting and Sound Design
- Production Design and Art Direction
- Scriptwriting and Storyboarding
- Visual Effects (VFX) and Animation

E-Commerce & Digital Marketing

Description of the course :

E-Commerce & Digital Marketing focuses on buying and selling products or services online and using digital tools to promote them. Students explore how online businesses operate, from setting up websites to handling online payments. They also study digital marketing strategies, including search engine optimization (SEO), social media marketing, and email campaigns to attract and engage customers.

Core subjects of study :

- Affiliate Marketing
- Content Marketing and Copywriting
- Digital Analytics and Performance Measurement
- Digital Marketing Fundamentals
- E-Commerce Law and Ethics
- E-Commerce Logistics and Supply Chain Management
- E-Commerce Platforms and Tools
- Email Marketing
- Introduction to E-Commerce
- Mobile Marketing
- Online Consumer Behavior
- Search Engine Marketing (SEM) and Google Ads
- Search Engine Optimization (SEO)
- Social Media Marketing
- Website Development and Management

Entertainment

Description of the course :

The Entertainment specialization focuses on creating and managing content that entertains people. This could include music, movies, theatre, television, and live events. Students learn how to produce and manage entertainment projects, work with talent, and use various technologies to create engaging

content. The field covers both creative and business aspects of the entertainment industry.

Core subjects of study :

- Broadcasting and Digital Media
- Cultural and Creative Industries
- Entertainment Business and Finance
- Entertainment Marketing and Promotion
- Event Management
- Film and Television Production
- Introduction to the Entertainment Industry
- Live Production and Performance
- Media and Entertainment Laws
- Music Production and Distribution
- Public Relations in Entertainment
- Sound Engineering and Audio Production
- Stage Management and Lighting
- Talent Management and Artist Relations
- Theatrical Design and Costume

Farming Technology

Description of the course :

Farming Technology is the application of modern technology and techniques to improve agriculture. Students learn about using machines, drones, sensors, and software to enhance crop production, livestock management, and farm efficiency. This field helps students understand how technology can increase food production while making farming more sustainable and environmentally friendly.

Core subjects of study :

- Agricultural Biotechnology
- Agricultural Economics and Marketing
- Agricultural Machinery and Equipment
- Crop Production Techniques
- Farm Automation and Drone Technology
- Farm Management and Operations
- Greenhouse and Horticultural Technology
- Introduction to Farming Technology
- Irrigation Systems and Water Management
- Livestock Farming and Animal Husbandry
- Plant Protection and Pest Management
- Post-Harvest Management and Storage
- Precision Farming and Smart Agriculture
- Soil Science and Fertility Management

- Sustainable Agriculture Practices

Fashion Design & Management

Description of the course :

Fashion Design & Management combines creativity with business skills. Students in this field learn to design clothing, accessories, and footwear while also studying the fashion industry's operations, such as production, marketing, and retail management. This specialization prepares students to work as designers, product managers, or entrepreneurs in the fashion world.

Core subjects of study :

- Apparel Manufacturing and Production
- Costing, Pricing, and Budgeting in Fashion
- Fashion Business and Entrepreneurship
- Fashion History and Trends
- Fashion Illustration and Drawing
- Fashion Marketing and Branding
- Fashion Merchandising and Retail Management
- Fashion Photography and Styling
- Fashion Product Development
- Garment Construction and Tailoring
- Introduction to Fashion Design
- Pattern Making and Draping Techniques
- Sustainable Fashion and Ethical Design
- Textiles and Fabrics
- Visual Merchandising and Store Layout

Fashion Styling & Grooming

Description of the course :

Fashion Styling & Grooming focuses on the art of creating fashionable looks for individuals and groups. Students learn to style outfits for various occasions and understand colour theory, fabric selection, and trends. Additionally, they explore personal grooming techniques like hairstyling, makeup, and skincare to help clients look their best. The goal is to enhance a person's image and personal style.

Core subjects of study :

- Colour Theory and Coordination
- Fashion Accessories and Styling
- Fashion and Beauty Branding
- Fashion Etiquette and Professionalism
- Fashion Forecasting and Trend Analysis

- Fashion History and Trends
- Fashion Marketing and Retail Styling
- Fashion Photography and Visual Communication
- Grooming and Personal Care
- Hair Styling and Makeup Techniques
- Introduction to Fashion Styling
- Personal Styling and Image Consulting
- Styling for Different Body Types
- Styling for Media (TV, Film, Photography)
- Wardrobe Styling for Photo Shoots and Fashion Shows

Financial Market & Services

Description of the course :

Financial Market & Services deals with the study of the financial markets, including stock exchanges, investment strategies, and banking services. Students learn how money is invested, managed, and traded in markets like the stock market, real estate, and commodities. They also explore how financial institutions offer services such as loans, insurance, and wealth management.

Core subjects of study :

- Banking and Financial Institutions
- Behavioral Finance and Investor Psychology
- Corporate Finance and Financial Planning
- Derivatives and Commodities Markets
- Economic Environment and Market Behavior
- Financial Accounting and Reporting
- Financial Instruments and Markets
- Financial Regulations and Compliance
- Financial Services and Products
- Insurance and Pension Funds
- Introduction to Financial Markets
- Investment Analysis and Portfolio Management
- Mutual Funds and Asset Management
- Risk Management in Financial Markets
- Stock Market and Trading Techniques

Fisheries & Farm Management

Description of the course :

Fisheries & Farm Management involves the management of fish farming and agricultural practices. Students learn how to breed and raise fish for commercial purposes and how to manage farms for crops and livestock. This field also covers sustainable farming practices, resource management, and the

economics of running a farm or fishery.

Core subjects of study :

- Aquaculture Equipment and Technology
- Aquatic Animal Health Management
- Farm Management and Operations
- Farm Planning, Budgeting, and Cost Control
- Fish Biology and Aquatic Ecosystems
- Fish Farming Techniques and Practices
- Fish Nutrition and Feed Management
- Fisheries and Agricultural Policy, Regulations, and Ethics
- Introduction to Fisheries and Aquaculture
- Livestock and Crop Management in Agriculture
- Market Analysis and Marketing of Fish and Farm Products
- Post-Harvest Handling and Processing of Fish
- Soil and Water Management for Farm Productivity
- Sustainable Fisheries and Aquaculture
- Water Quality Management and Analysis

Floriculture & Landscape Gardening

Description of the course :

Floriculture & Landscape Gardening is the study of growing flowers and designing outdoor spaces. Students learn how to cultivate different types of plants, trees, and flowers, and how to design beautiful gardens and landscapes for homes, parks, and public spaces. This field emphasizes environmental sustainability and creativity in designing aesthetically pleasing and functional outdoor areas.

Core subjects of study :

- Floriculture Marketing and Business Management
- Flower Cultivation and Production
- Garden Aesthetics and Outdoor Decoration
- Garden Tools and Equipment Management
- Horticultural Techniques and Practices
- Introduction to Floriculture and Landscape Gardening
- Landscape Architecture and Design Principles
- Landscape Irrigation Systems
- Landscape Planting and Maintenance
- Landscaping Design and Planning
- Pest and Disease Management in Plants
- Plant Biology and Botany
- Plant Propagation Techniques
- Soil Science and Fertility Management

- Sustainable Horticulture and Organic Farming

Food Processing Technology

Description of the course :

Food Processing Technology focuses on turning raw food materials into products that are safe to consume and have a longer shelf life. Students learn various techniques like canning, freezing, and drying, which help preserve food. They also study how to ensure food quality, safety, and packaging, along with how to manage food production and processing plants efficiently.

Core subjects of study :

- Fermentation and Biotechnology in Food
- Food Chemistry and Microbiology
- Food Engineering and Equipment
- Food Packaging and Storage
- Food Preservation Techniques
- Food Processing Industry and Regulations
- Food Product Development and Innovation
- Food Safety and Hygiene
- Introduction to Food Processing
- Marketing and Business Management in Food Processing
- Nutritional Aspects of Food Processing
- Quality Control and Assurance in Food Processing
- Supply Chain Management and Logistics in Food Industry
- Thermal Processing and Refrigeration
- Waste Management and Sustainability in Food Processing

Foundry Technology

Description of the course :

Foundry Technology involves the process of shaping metals by melting them and pouring them into molds. Students learn to work with materials like iron, steel, and aluminium to create castings for products used in industries like automotive and machinery. The specialization also covers techniques to control the quality of metal castings and the safe operation of foundry equipment.

Core subjects of study :

- Casting Design and Engineering
- Casting Materials and Their Properties
- Casting Process Automation and Modern Technology
- Casting Tools and Equipment
- Core Making and Sand Casting

- Foundry Management and Operations
- Foundry Safety and Environmental Practices
- Heat Treatment and Casting Defects
- Inspection and Quality Control in Foundry
- Introduction to Foundry Technology
- Materials Science and Metallurgy
- Melting and Pouring Processes
- Non-ferrous and Ferrous Metal Casting
- Pattern Making and Moulding Techniques
- Recycling and Waste Management in Foundries

Garment Designing

Description of the course :

Garment Designing is the art of creating clothing and fashion accessories. Students in this field learn how to design outfits, select fabrics, and create patterns. They also study how to use tools like sewing machines and software for designing and drafting clothing. The focus is on creativity, trends, and the technical aspects of garment production.

Core subjects of study :

- Apparel Production and Manufacturing
- Computer-Aided Design (CAD) for Garment Designing
- Costing, Pricing, and Budgeting in Garment Design
- Fashion Accessories and Embellishments
- Fashion Design and Color Theory
- Fashion Draping and Textile Manipulation
- Fashion Illustration and Drawing
- Fashion Marketing and Retail Management
- Fashion Trends and Forecasting
- Garment Construction and Stitching Techniques
- Garment Fit and Sizing
- Introduction to Garment Designing
- Pattern Making and Draping Techniques
- Sustainable Fashion and Eco-friendly Design
- Textiles and Fabric Science

Gemmology

Description of the course :

Gemmology is the study of gemstones and their properties. Students learn to identify, classify, and evaluate precious stones like diamonds, rubies, and emeralds. They also explore the process of cutting, polishing, and setting gemstones, along with their use in jewelry making. The goal is to understand the

science behind gemstones and their value in the market.

Core subjects of study :

- Apparel Production and Manufacturing
- Computer-Aided Design (CAD) for Garment Designing
- Costing, Pricing, and Budgeting in Garment Design
- Fashion Accessories and Embellishments
- Fashion Design and Color Theory
- Fashion Draping and Textile Manipulation
- Fashion Illustration and Drawing
- Fashion Marketing and Retail Management
- Fashion Trends and Forecasting
- Garment Construction and Stitching Techniques
- Garment Fit and Sizing
- Introduction to Garment Designing
- Pattern Making and Draping Techniques
- Sustainable Fashion and Eco-friendly Design
- Textiles and Fabric Science

Green House Management

Description of the course :

Green House Management focuses on managing indoor and controlled environments to grow plants, especially in regions where outdoor growing conditions may be difficult. Students learn how to set up and maintain greenhouses, control temperature and humidity, and grow a variety of crops like vegetables and flowers. It also covers sustainable farming practices and efficient water usage.

Core subjects of study :

- Agricultural Biotechnology
- Climate Change and Its Impact on Horticulture
- Crop Production and Management
- Economics and Marketing of Greenhouse Crops
- Environmental Control Systems
- Greenhouse Structures and Design
- Integrated Pest Management (IPM)
- Irrigation and Water Management
- Plant Physiology
- Post-Harvest Technology
- Principles of Horticulture
- Propagation Techniques
- Renewable Energy in Greenhouses

- Soil Science and Fertility Management
- Sustainable Agricultural Practices

Hardware Technology & Networking

Description of the course :

Hardware Technology & Networking involves learning about computer hardware and the systems that connect them. Students study the parts of computers, how to assemble and troubleshoot them, and how to set up and maintain networks. This field also covers how devices communicate with each other over the internet or local networks, preparing students for careers in IT support and network management.

Core subjects of study :

- Climate Control and Environmental Management
- Energy Efficiency and Cost Management in Greenhouse Operations
- Greenhouse Crop Harvesting and Yield Optimization
- Greenhouse Crop Production (Vegetables, Flowers, Herbs, etc.)
- Greenhouse Design and Construction
- Greenhouse Equipment and Technology
- Hydroponics and Other Soil-less Cultivation Techniques
- Integrated Pest and Disease Management in Greenhouses
- Introduction to Greenhouse Management
- Marketing and Business Management for Greenhouse Operations
- Plant Growth and Development
- Post-Harvest Handling and Storage of Greenhouse Products
- Soil and Fertility Management in Greenhouses
- Sustainable Greenhouse Practices and Organic Farming
- Water Management and Irrigation Systems

Horticulture Science

Description of the course :

Horticulture Science is the study of growing fruits, vegetables, nuts, seeds, herbs, and flowers. Students learn about plant biology, soil science, pest management, and crop production techniques. They also study the business side of horticulture, including marketing, selling, and managing nurseries or garden centres.

Core subjects of study :

- Crop Management and Cultivation Practices
- Fruit, Vegetable, and Flower Crop Production
- Greenhouse and Nursery Management
- Horticultural Marketing and Business Management

- Horticultural Tools and Equipment
- Introduction to Horticulture
- Irrigation and Water Management
- Landscape Design and Gardening
- Organic Horticulture and Sustainable Farming Practices
- Plant Biology and Physiology
- Plant Propagation Techniques
- Plant Protection and Pest Management
- Post-Harvest Handling and Storage
- Soil Science and Fertility Management
- Sustainable Horticultural Practices

Hospital Administration & Management

Description of the course :

Hospital Administration & Management involves the business and organizational aspects of running a hospital or healthcare facility. Students learn about managing hospital departments, budgeting, healthcare laws, patient care services, and staff management. This field prepares students to ensure smooth hospital operations while focusing on improving healthcare delivery.

Core subjects of study :

- Financial Management in Healthcare
- Healthcare Ethics and Legal Issues
- Healthcare Management and Organization
- Healthcare Policies and Regulations
- Healthcare Project Management and Evaluation
- Healthcare Quality Assurance and Risk Management
- Healthcare Supply Chain and Inventory Management
- Hospital Marketing and Public Relations
- Hospital Operations and Services Management
- Human Resource Management in Hospitals
- Introduction to Hospital Administration
- Medical Records and Information Management
- Patient Care Management
- Strategic Planning and Leadership in Healthcare
- Technology and IT in Healthcare Administration

Hospitality & Culinary Arts

Description of the course :

Hospitality & Culinary Arts combines the study of managing hotels and restaurants with cooking skills. Students in this specialization learn how to provide excellent customer service, manage food and

beverage operations, and create delicious meals. It also covers the business side of hospitality, including marketing, event management, and dealing with guests.

Core subjects of study :

- Baking and Pastry Arts
- Cooking Techniques and Methods
- Cost Control and Budgeting in Culinary Arts
- Customer Service and Communication Skills
- Event Planning and Banqueting
- Food and Beverage Service
- Food Presentation and Plating
- Food Safety and Hygiene
- Fundamentals of Culinary Arts
- Gastronomy and International Cuisines
- Hospitality Management and Operations
- Introduction to Hospitality and Tourism
- Kitchen Management and Organization
- Menu Planning and Recipe Development
- Nutrition and Food Science

Hospitality & Tourism Management

Description of the course :

Hospitality & Tourism Management focuses on managing businesses in the Hospitality, travel and tourism industry. Students learn how to manage hotels, resorts, airlines, and tourist attractions. They also study how to plan and organize events, tours, and travel services while ensuring customer satisfaction and profitability in the tourism sector.

Core subjects of study :

- Baking and Pastry Arts
- Cooking Techniques and Methods
- Cost Control and Budgeting in Culinary Arts
- Customer Service and Communication Skills
- Event Planning and Banqueting
- Food and Beverage Service
- Food Presentation and Plating
- Food Safety and Hygiene
- Fundamentals of Culinary Arts
- Gastronomy and International Cuisines
- Hospitality Management and Operations
- Introduction to Hospitality and Tourism
- Kitchen Management and Organization

- Menu Planning and Recipe Development
- Nutrition and Food Science

Industrial Aquaculture & Fisheries

Description of the course :

Industrial Aquaculture & Fisheries involves the study of farming fish and other aquatic organisms on a large scale. Students learn how to manage fish farms, breed and raise fish, and monitor water quality to ensure healthy growth. This field also covers sustainable practices and the economic aspects of running fish farms for commercial purposes.

Core subjects of study :

- Aquaculture Equipment and Technology
- Aquaculture Systems and Techniques
- Aquatic Biology and Fish Physiology
- Feed and Nutrition Management for Fish
- Fish Breeding and Hatchery Management
- Fish Health Management and Disease Control
- Fish Processing and Value Addition
- Fisheries Economics and Marketing
- Fishery Management and Resource Conservation
- Harvesting and Post-Harvest Handling of Fish
- Introduction to Industrial Aquaculture and Fisheries
- Legal and Regulatory Aspects of Fisheries Management
- Pond Management and Aquatic Habitat Conservation
- Sustainable Practices in Aquaculture
- Water Quality Management and Monitoring

Industrial Automation

Description of the course :

Industrial Automation involves using machines, control systems, and computers to automate processes in industries like manufacturing. Students learn about robotics, sensors, and programming to make systems work without human intervention. This field helps industries improve efficiency, reduce costs, and produce goods more quickly and accurately.

Core subjects of study :

- Automation in Manufacturing Processes
- Control Systems and Instrumentation
- Electrical and Electronics Fundamentals
- Industrial Automation Maintenance and Troubleshooting

- Industrial Automation Project Management
- Industrial Networking and Communication Systems
- Industrial Sensors and Actuators
- Introduction to Industrial Automation
- Machine Vision and Inspection Systems
- Mechatronics and Automation Integration
- Process Control and Optimization
- Programmable Logic Controllers (PLC)
- Robotics and Automation Technologies
- Safety and Risk Management in Automation
- SCADA (Supervisory Control and Data Acquisition) Systems

Industrial Microbiology

Description of the course :

Industrial Microbiology focuses on using microorganisms like bacteria and fungi in industrial applications. Students learn how microbes are used in the production of foods, beverages, medicines, and biofuels. This specialization also includes studying how to safely handle microorganisms and how to apply them in research and product development.

Core subjects of study :

- Bioprocess Engineering and Design
- Bioreactors and Fermentation Systems
- Environmental Microbiology and Bioremediation
- Enzyme Technology and Applications
- Fermentation Technology and Applications
- Food and Beverage Microbiology
- Industrial Applications of Microorganisms
- Introduction to Industrial Microbiology
- Microbial Analysis and Laboratory Techniques
- Microbial Contamination and Control
- Microbial Genetics and Biotechnology
- Microbial Growth and Production Kinetics
- Microbial Physiology and Metabolism
- Quality Control and Assurance in Microbial Products
- Regulatory and Safety Standards in Microbial Industries

Industrial Waste Management

Description of the course :

Industrial Waste Management involves the study of how to handle, treat, and dispose of waste produced

by industries. Students learn about recycling, waste reduction, and pollution control to help industries manage their environmental impact. The focus is on reducing harmful waste and finding sustainable solutions for waste disposal and recycling.

Core subjects of study :

- Environmental Impact of Industrial Waste
- Environmental Regulations and Compliance
- Hazardous Waste Management and Control
- Introduction to Industrial Waste Management
- Pollution Control Technologies
- Resource Recovery and Circular Economy
- Solid Waste Management and Recycling
- Sustainability and Green Practices in Waste Management
- Types of Industrial Waste and Classification
- Waste Generation and Characterization
- Waste Management Safety and Risk Assessment
- Waste Management Technology and Equipment
- Waste Minimization and Prevention Strategies
- Waste Treatment and Disposal Methods
- Wastewater Treatment and Management

Information & IT Services

Description of the course :

Information & IT Services focuses on using technology to manage and support the needs of organizations. Students learn about computer systems, software, networking, and technical support. This field prepares students for roles like IT support technicians and systems administrators, ensuring businesses run smoothly with the help of technology.

Core subjects of study :

- Cloud Computing and Virtualization
- Computer Hardware and Networking
- Data Analytics and Business Intelligence
- Database Management Systems
- Digital Communication and Collaboration Tools
- Emerging Technologies in IT Services
- Enterprise Resource Planning (ERP) Systems
- Information Security and Cybersecurity
- Introduction to Information and IT Services
- IT Project Management
- IT Service Management (ITIL)
- IT Support and Troubleshooting
- Software Development and Programming

- System Administration and Network Management
- Web Development and Design

Interior Designing

Description of the course :

Interior Designing is the art of planning and decorating indoor spaces to make them functional and aesthetically pleasing. Students learn how to design residential and commercial spaces, select furniture, lighting, colours, and materials, and create layouts. This field combines creativity with technical knowledge to create spaces that are both beautiful and practical.

Core subjects of study :

- Building Systems and Construction
- CAD (Computer-Aided Design) and 3D Modeling
- Colour Theory
- Furniture Design and Layout
- History of Interior Design
- Human Factors and Ergonomics
- Interior Decoration
- Lighting Design
- Materials and Finishes
- Principles of Design
- Professional Practices
- Project Management
- Space Planning
- Sustainability and Environmental Design
- Textile Design and Upholstery

Internet of Things (IoT)

Description of the course :

The Internet of Things (IoT) involves connecting everyday objects to the internet, allowing them to communicate with each other and be controlled remotely. Students learn how devices like smart phones, wearables, and home appliances are connected and how to design and manage these systems. IoT has applications in areas like healthcare, smart homes, and transportation.

Core subjects of study :

- Cloud Computing for IoT
- Data Analytics for IoT
- Embedded Systems
- Introduction to Internet of Things (IoT)
- IoT Application Development
- IoT Architecture and Design

- IoT Hardware Design
- IoT Platforms and Tools
- IoT Security and Privacy
- Machine Learning for IoT
- Networking and Communication Protocols
- Project Management for IoT Systems
- Sensors and Actuators
- Smart Devices and Wearables
- Wireless Communication Technologies

Live Stock Production & Management

Description of the course :

Livestock Production & Management involves raising animals like cows, sheep, goats, and poultry for food, wool, and other products. Students learn how to care for and breed animals, manage their health and nutrition, and run a successful farm. The focus is on improving productivity, ensuring animal welfare, and managing resources efficiently.

Core subjects of study :

- Agricultural Economics and Marketing
- Animal Breeding and Genetics
- Animal Husbandry
- Farm Management and Operations
- Introduction to Livestock Production
- Livestock Farming Technologies and Innovations
- Livestock Health and Disease Management
- Livestock Housing and Infrastructure
- Livestock Management Systems
- Livestock Nutrition and Feed Management
- Meat, Milk, and Egg Production
- Poultry Management
- Reproductive Management in Livestock
- Sustainable Livestock Farming Practices
- Veterinary Care and Animal Welfare

Logistics Management

Description of the course :

Logistics Management focuses on planning, implementing, and controlling the movement of goods and services from one place to another. Students learn about supply chains, transportation, inventory management, and distribution. This field ensures that products are delivered to the right place at the right time, efficiently and cost-effectively.

Core subjects of study :

- Customer Service in Logistics
- Freight and Cargo Management
- International Logistics and Global Trade
- Introduction to Logistics and Supply Chain Management
- Inventory and Warehouse Management
- Legal and Regulatory Aspects of Logistics
- Logistics Costing and Budgeting
- Logistics Information Systems
- Logistics Planning and Forecasting
- Packaging and Material Handling
- Procurement and Sourcing
- Project Management in Logistics
- Risk Management in Logistics
- Supply Chain Optimization
- Sustainable Logistics Practices
- Transportation and Distribution Management

Material Management

Description of the course :

Material Management involves overseeing the supply, storage, and distribution of materials and goods in industries. Students learn about inventory control, purchasing, and logistics to ensure that businesses have the right materials at the right time. This field is important in manufacturing, construction, and other industries that rely on raw materials.

Core subjects of study :

- Costing and Budgeting in Material Management
- Global Sourcing and International Trade
- Introduction to Material Management
- Inventory Control and Management
- Legal and Ethical Issues in Material Management
- Logistics and Distribution Management
- Material Handling and Safety
- Materials Planning and Forecasting
- Procurement and Sourcing
- Project Management in Material Management
- Purchasing and Vendor Management
- Quality Control and Assurance in Materials
- Risk Management in Material Management
- Supply Chain Management
- Supply Chain Optimization
- Sustainable Materials Management

- Technology and Software in Material Management
- Warehousing and Storage Management

Media & Entertainment

Description of the course :

Media & Entertainment focuses on creating and managing content that entertains people, such as television shows, movies, music, and online content. Students learn about production techniques, editing, directing, and how to manage entertainment projects. This field also covers the business side, including marketing and distribution.

Core subjects of study :

- Acting and Theatre Production
- Advertising and Public Relations
- Creative Writing and Content Creation
- Digital Media and Multimedia Design
- Entertainment Marketing and Distribution
- Event Management in Media
- Film Editing and Post-Production
- Film Production and Direction
- Introduction to Media and Entertainment Industry
- Media Law and Ethics
- Media Research and Audience Analysis
- Media Technology and Equipment
- Media Writing and Journalism
- Radio and Audio Production
- Television Production and Broadcast

Medical Equipment Technology

Description of the course :

Medical Equipment Technology involves the study of the machines and tools used in healthcare to diagnose and treat patients. Students learn how to operate, maintain, and repair medical devices like X-ray machines, ventilators, and MRI scanners. This field combines technical skills with healthcare knowledge to support medical teams.

Core subjects of study :

- Basics of Medical Equipment
- Biomedical Signals and Systems
- Electrocardiography (ECG) Equipment
- Equipment Calibration and Maintenance

- Health and Safety Protocols in Medical Technology
- Healthcare System and Regulations
- Medical Equipment Design and Development
- Medical Equipment Troubleshooting
- Medical Imaging Equipment
- Medical Instrumentation Systems
- Patient Monitoring Devices
- Quality Control in Medical Equipment
- Safety and Standards in Medical Equipment
- Sensors and Transducers in Medical Equipment
- Ventilators and Respiratory Equipment

Medical Imaging Technology

Description of the course :

Medical Imaging Technology is the study of using technology to create images of the inside of the human body. Students learn how to operate imaging equipment like X-rays, CT scans, and MRIs to help doctors diagnose diseases and conditions. This field requires technical expertise and attention to detail to produce accurate and clear images.

Core subjects of study :

- Basics of Medical Imaging
- X-ray and Radiography Technology
- Magnetic Resonance Imaging (MRI)
- Computed Tomography (CT) Imaging
- Ultrasound Technology
- Nuclear Medicine Imaging
- Radiation Physics and Safety
- Image Processing Techniques
- Diagnostic Imaging Software
- Patient Care and Management
- Quality Control in Imaging
- Imaging Equipment Maintenance
- Ethical Considerations in Imaging
- Medical Imaging in Healthcare
- Imaging for Disease Diagnosis

Medical Lab & Molecular Diagnostic Technology

Description of the course :

Medical Lab & Molecular Diagnostic Technology focuses on analysing patient samples in labs to diagnose

diseases at the molecular level. Students learn how to conduct tests on blood, urine, and other specimens to detect diseases like cancer or infections. This field combines biology, technology, and diagnostic skills to support healthcare.

Core subjects of study :

- Biochemical Analysis in Diagnosis
- Clinical Biochemistry
- Clinical Pathology and Cytology
- Diagnostic Laboratory Equipment
- Genetic Testing and Analysis
- Hematology and Blood Banking
- Immunology and Serology
- Lab Management and Reporting
- Laboratory Ethics and Legal Issues
- Laboratory Instrumentation and Maintenance
- Medical Diagnostics and Disease Detection
- Microbiology and Infectious Diseases
- Molecular Biology Techniques
- Quality Control in Medical Laboratories
- Safety Protocols in Medical Labs

Medical Lab Technology

Description of the course :

Medical Lab Technology involves working with laboratory equipment to perform tests and analyse patient samples. Students learn about microbiology, hematology, and biochemistry to help diagnose diseases and monitor treatments. This field plays a vital role in healthcare by providing accurate data for medical decisions.

Core subjects of study :

- Blood Bank Technology
- Clinical Biochemistry Techniques
- Diagnostic Testing and Reporting
- Ethics and Legal Aspects in Medical Labs
- Hematology and Blood Testing
- Immunology and Serology in Diagnosis
- Infection Control and Lab Safety Standards
- Introduction to Medical Laboratory Technology
- Laboratory Instruments and Equipment
- Laboratory Safety and Hygiene
- Medical Laboratory Management
- Microbiological Laboratory Techniques

- Molecular Diagnostics and PCR
- Pathology and Cytology Techniques
- Quality Assurance in Laboratories

Modern Office Management

Description of the course :

Modern Office Management focuses on running offices efficiently and using modern technology to streamline operations. Students learn about organizing workflows, managing staff, handling communication, and using office software. This specialization prepares students for administrative roles in various types of businesses and organizations.

Core subjects of study :

- Business Ethics and Etiquette
- Business Letter Writing and Email Communication
- Event Management and Corporate Functions
- Financial Management in Office
- Human Resource Management in Office Settings
- Legal and Ethical Aspects in Office Work
- Managing Office Supplies and Resources
- Office Administration and Management
- Office Communication and Correspondence
- Office Management Software
- Office Security and Data Protection
- Office Technology and Equipment
- Record Keeping and Filing Systems
- Secretarial Duties and Office Support
- Time Management and Productivity

Networking & System Administration

Description of the course :

Networking & System Administration involves managing and maintaining computer networks and systems. Students learn about setting up networks, troubleshooting issues, and ensuring that computer systems run smoothly. This field is essential for businesses that rely on technology and need to keep their systems secure and functional.

Core subjects of study :

- Cloud Computing Basics
- Data Centre Management
- Disaster Recovery and Backup Solutions
- IP Addressing and Subnetting

- IT Support and Helpdesk Management
- Network Protocols and Routing
- Network Security and Firewalls
- Network Topologies and Architectures
- Networking Fundamentals
- Operating Systems and System Administration
- Server Configuration and Management
- System Design and Architecture
- Troubleshooting and Maintenance of Networks
- Virtualization and Network Management Tools
- Wireless Networks and Mobile Communication

Nursery Management Technology

Description of the course :

Nursery Management Technology involves the care and management of plants in nurseries. Students learn about growing and maintaining plants, trees, and flowers, as well as how to manage a nursery business. This field covers plant health, propagation techniques, and the business aspects of running a nursery.

Core subjects of study :

- Basics of Horticulture and Plant Science
- Business Management for Nurseries
- Environmental Sustainability in Horticulture
- Greenhouse and Nursery Design
- Irrigation Systems in Nurseries
- Marketing and Selling Plants
- Nursery Management Equipment and Tools
- Nursery Management Practices
- Nursery Research and Innovation
- Organic Gardening Practices
- Pest and Disease Management
- Plant Propagation Techniques
- Post-Harvest Management
- Soil Fertility and Plant Growth
- Sustainable Farming in Nurseries

Nutrition & Health Care Science

Description of the course :

Nutrition & Health Care Science focuses on understanding how food and nutrition affect health. Students learn about the role of different nutrients in the body, how to create healthy eating plans, and how nutrition impacts diseases and overall health. This specialization also covers healthcare practices that

promote wellness, and students can work in hospitals, clinics, or wellness centres.

Core subjects of study :

- Clinical Nutrition and Dietetics
- Community Health and Nutrition Programs
- Dietary Guidelines and Meal Planning
- Food Biotechnology and Innovations
- Food Safety and Hygiene
- Functional Foods and Supplements
- Health and Wellness Counseling
- Health Promotion and Disease Prevention
- Nutrition in Disease Management
- Nutritional Biochemistry
- Nutritional Requirements across Life Stages
- Principles of Nutrition
- Public Health Nutrition
- Sports Nutrition and Performance
- Women and Child Nutrition

Office Management and Secretarial Practice

Description of the course :

Office Management and Secretarial Practice is about learning how to manage office operations and provide administrative support. Students learn skills like organizing files, scheduling appointments, handling communications, and managing office resources. This specialization prepares students to become efficient office managers or secretaries in various industries, ensuring smooth operations.

Core subjects of study :

- Business Correspondence and Protocols
- Business Report Writing
- Corporate Law and Ethics
- Customer Service and Reception Management
- Document Preparation and Management
- File and Record Management
- Human Resource Management
- Legal and Ethical Practices in Secretarial Work
- Meeting and Event Coordination
- Office Automation Tools
- Office Communication Skills
- Office Finance and Budgeting
- Project Management in Office Settings
- Secretarial Duties and Functions
- Time Management and Prioritization

Operation Theatre Technology

Description of the course :

Operation Theatre Technology focuses on the technical and support roles in operating rooms of hospitals. Students learn to assist surgeons and doctors during surgeries by preparing equipment, sterilizing tools, and ensuring a safe environment for surgeries. This field combines medical knowledge with technical skills to ensure that surgeries are conducted efficiently and safely.

Core subjects of study :

- Advanced OT Technologies and Innovations
- Anaesthesia Techniques and Equipment
- Emergency Medical Services in OT
- Ethical and Legal Aspects in OT
- Human Anatomy and Physiology for OT Technicians
- Introduction to Operation Theatre Technology
- Medical Record Keeping in OT
- Operation Theatre Management
- Patient Preparation for Surgery
- Post-Operative Care and Monitoring
- Quality Control in Operation Theatre
- Safety Protocols in OT
- Sterilization and Infection Control
- Surgical Instruments and Equipment
- Surgical Procedures and Assisting Techniques

Ophthalmic Technology

Description of the course :

Ophthalmic Technology is the study and application of techniques and tools used to assist in the diagnosis, treatment, and care of eye-related conditions. It involves working with specialized equipment to test vision, detect eye diseases, and assist in eye surgeries. Ophthalmic technologists play a key role in helping optometrists and ophthalmologists in their practice by providing support in eye exams, imaging, and preparing patients for eye treatments.

Core subjects of study :

- Anatomy and Physiology of the Eye
- Basics of Ophthalmic Technology
- Cataract and Glaucoma Management
- Contact Lens Fitting and Maintenance
- Eye Diseases and Disorders
- Eye Surgery Assisting
- Low Vision Aids and Rehabilitation
- Ocular Pharmacology

- Ophthalmic Ethics and Patient Care
- Ophthalmic Health Education
- Ophthalmic Instruments and Equipment
- Optical Dispensing and Measurement
- Optometry and Vision Screening
- Retinal Imaging and Diagnostics
- Visual Acuity Testing and Refraction

Paramedical & Health Administration

Description of the course :

Paramedical & Health Administration focuses on healthcare services that are essential for patient care and hospital management. Students learn how to assist doctors in treating patients, perform medical tests, and manage healthcare facilities. This field combines medical knowledge with administrative skills, preparing students for roles like medical assistants or healthcare managers.

Core subjects of study :

- Basics of Paramedical Science
- Emergency Medical Services and First Aid
- Health Administration and Management
- Health Policies and Regulations
- Healthcare Ethics and Legal Issues
- Healthcare Informatics and Technology
- Healthcare Marketing and Communications
- Healthcare Quality Management
- Hospital Administration and Operations
- Medical Billing and Coding
- Medical Insurance and Reimbursement Systems
- Medical Records and Documentation
- Patient Care and Transport
- Public Health and Safety
- Risk Management in Health Administration

Pharmaceutical Chemistry

Description of the course :

Pharmaceutical Chemistry deals with the study of medicines and how they are created and used to treat diseases. Students learn about chemical processes used to make drugs, how medicines interact with the body, and the importance of safety in drug development. This specialization is ideal for students interested in the science behind pharmaceuticals and their role in healthcare.

Core subjects of study :

- Analytical Chemistry for Pharmaceuticals

- Biopharmaceutics and Drug Delivery
- Chemical Reactions and Drug Synthesis
- Drug Testing and Toxicology
- Intellectual Property and Patents in Pharma
- Introduction to Pharmaceutical Chemistry
- Medicinal Chemistry and Drug Design
- Organic Chemistry in Pharmaceuticals
- Pharmaceutical Formulations and Dosage Forms
- Pharmaceutical Manufacturing Processes
- Pharmaceutical Quality Control and Assurance
- Pharmacokinetics and Pharmacodynamics
- Pharmacological Screening and Drug Discovery
- Regulatory Requirements for Drug Approval
- Safety and Efficacy of Pharmaceutical Products

Plant Propagation

Description of the course :

Plant Propagation is the study of how to grow new plants from seeds, cuttings, or other plant parts. Students learn the different methods of reproduction in plants, how to care for young plants, and how to manage nurseries or farms. This field focuses on the growth and spread of plants for commercial purposes or environmental restoration.

Core subjects of study :

- Basics of Plant Propagation Techniques
- Crop Rotation and Diversity in Propagation
- Cutting, Grafting, and Budding Techniques
- Environmental Conditions for Propagation
- Greenhouse Management Techniques
- Hydroponics and Aeroponics
- Nursery Management and Care
- Plant Breeding and Genetics
- Plant Hormones and Growth Regulators
- Plant Protection and Pest Management
- Post-Harvest Management of Propagated Plants
- Seed Production and Management
- Sexual and Asexual Reproduction in Plants
- Soil and Fertilization Practices
- Sustainable Propagation Practices

Polymer & Coating Technology

Description of the course :

Polymer & Coating Technology involves studying materials like plastics and coatings used in a variety of products. Students learn how to make and apply coatings to protect surfaces and how polymers are used in manufacturing goods like packaging, toys, and electronics. This specialization teaches students about the chemical properties and industrial applications of materials used every day.

Core subjects of study :

- Adhesion Science and Technology
- Advances in Polymer Research and Innovation
- Coating Equipment and Technology
- Coating Techniques and Application Methods
- Corrosion Protection with Coatings
- Environmental and Health Safety in Polymer Industry
- Industrial Applications of Polymers
- Introduction to Polymer Science
- Polymer Blends and Composites
- Polymer Coating Materials
- Polymer Recycling and Sustainability
- Polymer Testing and Quality Control
- Polymerization Techniques and Processes
- Surface Chemistry and Coatings
- Types of Polymers and Their Properties

Pottery & Ceramic Design

Description of the course :

Pottery & Ceramic Design focuses on the creation and decoration of items made from clay and other materials. Students learn how to shape, mold, and fire clay to produce functional or decorative pieces like pots, plates, and tiles. This field combines art with craftsmanship, and students gain hands-on skills to create unique ceramic works.

Core subjects of study :

- Advanced Pottery Techniques
- Ceramic Art Design and Aesthetics
- Ceramic Product Development
- Ceramic Testing and Quality Control
- Clay Types and Properties
- Decoration and Surface Treatments
- Entrepreneurship in Pottery & Ceramics
- Firing Techniques (Kiln Management)
- Glaze Preparation and Application
- Hand building Techniques in Ceramics
- Introduction to Pottery & Ceramic Arts
- Kiln Operation and Maintenance
- Molding and Casting Techniques
- Pottery Wheel Techniques

- Sustainable Practices in Ceramic Production

Printing & Publishing

Description of the course :

Printing & Publishing teaches students how to design, produce, and publish books, magazines, newspapers, and other printed materials. Students learn about printing techniques, typography, and how to manage the production process from design to final print. This field is important for those interested in careers in the media, publishing, and printing industries.

Core subjects of study :

- Bookbinding and Finishing Techniques
- Digital Printing and Press Management
- Fundamentals of Printing Technology
- Graphic Design and Typography
- Marketing and Distribution of Printed Material
- Paper and Ink Selection
- Pre-press and Post-press Operations
- Print Production Management
- Printing Equipment and Maintenance
- Printing Processes: Offset, Letterpress, Digital
- Publishing Laws and Intellectual Property
- Publishing Software and Tools
- Quality Control in Printing
- Sustainability in Printing and Publishing
- Typesetting and Layout Design

Production Technology (Tool & Die)

Description of the course :

Production Technology (Tool & Die) is the study of designing and creating tools and moulds used in manufacturing processes. Students learn how to create moulds for shaping metal or plastic parts, which are used in industries like automotive, electronics, and consumer goods. This field focuses on precision and innovation in the production of tools and machinery parts.

Core subjects of study :

- CAD/CAM in Tool and Die Making
- CNC Machines and Automation in Tooling
- Cost Estimation and Budgeting
- Heat Treatment and Surface Finishing
- Industry Standards and Regulations
- Introduction to Tool and Die Making
- Material Selection for Tooling
- Measuring and Inspection Techniques

- Metal Forming and Shaping Techniques
- Production Planning and Control
- Quality Assurance in Tooling
- Safety Protocols in Tool and Die Industry
- Tool and Die Design Principles
- Tool Maintenance and Repair
- Types of Tools and Dies

Radiology & Medical Imaging Technology

Description of the course :

Radiology & Medical Imaging Technology is about using special machines to take images of the inside of the human body for medical diagnosis. Students learn to operate equipment like X-rays, CT scans, and MRIs, and how to assist doctors in interpreting these images to diagnose and treat illnesses. This field plays a vital role in healthcare by providing doctors with accurate images to help them make decisions.

Core subjects of study :

- Advanced Imaging Technologies
- Basics of Medical Imaging
- Computed Tomography (CT) Imaging
- Diagnostic Imaging Procedures
- Image Processing and Enhancement
- Legal and Ethical Aspects of Imaging
- Magnetic Resonance Imaging (MRI)
- Medical Imaging in Disease Diagnosis
- Patient Preparation for Imaging Procedures
- Radiation Safety and Protection
- Radiologic Physics and Instrumentation
- Radiological Equipment Maintenance
- Radiology Laboratory Management
- Ultrasound and Doppler Techniques
- X-Ray and Radiography Techniques

Real Estate Management

Description of the course :

Real Estate Management focuses on the buying, selling, and management of properties like houses, apartments, and commercial buildings. Students learn how to assess property value, handle transactions, and manage properties for clients. This field is important for those interested in careers in property development, leasing, and real estate investment.

Core subjects of study :

- Building Regulations and Codes
- Construction and Project Management

- Introduction to Real Estate and Property Markets
- Legal Aspects of Real Estate Transactions
- Property Management Techniques
- Property Valuation and Appraisal
- Real Estate Development Process
- Real Estate Finance and Investment
- Real Estate Investment Trusts (REITs)
- Real Estate Law and Ethics
- Real Estate Marketing and Sales
- Real Estate Risk Management
- Real Estate Taxation
- Sustainability in Real Estate
- Urban Planning and Development

Recycled Craft Design

Description of the course :

Recycled Craft Design is the art of making new and creative items using recycled materials like paper, plastic, and metal. Students learn how to turn waste materials into functional or decorative objects, promoting sustainability and reducing waste. This specialization encourages creativity and environmental consciousness in the crafting process.

Core subjects of study :

- Creative Design in Recycled Crafts
- Designing with Recycled Materials
- Eco-friendly Product Development
- Environmental Impact of Recycling
- Marketing Recycled Crafts
- Metal Art and Craft Techniques
- Paper Craft and Waste Paper Recycling
- Principles of Recycling and Sustainability
- Product Prototyping with Recycled Materials
- Recycled Glass and Plastic Craft
- Recycling and Waste Management Strategies
- Techniques in Recycled Art and Craft
- Textile Recycling and Upcycling
- Types of Recycled Materials (Paper, Plastic, Metal)
- Workshop Safety and Material Handling

Refrigeration & Air Conditioning

Description of the course :

Refrigeration & Air Conditioning focuses on the installation, maintenance, and repair of systems that keep things cool, like air conditioners and refrigerators. Students learn how these systems work, how to

troubleshoot issues, and how to ensure they run efficiently. This field is crucial in industries like food preservation, healthcare, and comfort cooling.

Core subjects of study :

- Air Conditioning Systems and Design
- Airflow and Ventilation Systems
- Energy-efficient HVAC Solutions
- Environmental Impact and Refrigerant Regulations
- Fundamentals of Refrigeration
- Heat Transfer and Refrigeration Cycles
- Industrial Refrigeration Systems
- Installation and Servicing of HVAC Systems
- Insulation and Sealants in HVAC
- Refrigerant Types and Safety Standards
- Refrigeration and Air Conditioning Equipment
- Refrigeration System Maintenance
- Safety Protocols in Refrigeration and Air Conditioning
- Thermodynamics in Refrigeration
- Troubleshooting Refrigeration Units

Renewable Energy Technology

Description of the course :

Renewable Energy Technology is about learning how to use natural resources like sunlight, wind, and water to produce energy. Students explore how solar panels, wind turbines, and hydropower systems work to create sustainable energy. This specialization is important for those interested in addressing global energy challenges and contributing to a cleaner environment.

Core subjects of study :

- Biomass and Bioenergy
- Energy Audit and Management
- Energy Efficiency and Conservation
- Energy Storage Systems
- Environmental Impact of Energy Systems
- Geothermal Energy Applications
- Government Policies and Incentives for Renewable Energy
- Hydro Power Systems
- Introduction to Renewable Energy Sources
- Power Generation and Distribution
- Renewable Energy System Design and Installation
- Research and Innovation in Renewable Energy
- Smart Grids and Renewable Integration
- Solar Energy Systems and Technology
- Wind Energy Generation

Small and Medium Enterprises

Description of the course :

Small and Medium Enterprises (SMEs) focuses on the study and practical application of skills related to the management, growth, and sustainability of small and medium-sized businesses. It covers topics such as business operations, finance, marketing, entrepreneurship, and innovation. Students learn how to run and manage SMEs effectively, including understanding local and global business environments, and acquiring the necessary skills to support and scale small businesses.

Core subjects of study :

- Business Planning and Strategy for SMEs
- Entrepreneurial Skills for SMEs
- Financial Management for SMEs
- Government Schemes and Support for SMEs
- Growth and Scaling Up for SMEs
- Human Resource Management in SMEs
- Introduction to Small and Medium Enterprises (SMEs)
- Legal Aspects of SMEs
- Marketing and Sales in SMEs
- Quality Assurance in SMEs
- Risk Management and Business Continuity
- SME Governance and Regulations
- Supply Chain and Operations in SMEs
- Taxation and Accounting for SMEs
- Technology and Innovation in SMEs

Small Tea Garden Management

Description of the course :

Small Tea Garden Management involves the study of growing and managing tea plants in small-scale farms or gardens. Students learn about planting, maintaining, and harvesting tea, as well as processing and selling the final product. This field is perfect for those interested in the agriculture industry, particularly in the production of tea.

Core subjects of study :

- Business and Financial Management for Tea Gardens
- Environmental Sustainability in Tea Gardens
- Legal and Regulatory Aspects of Tea Industry
- Marketing and Branding of Tea Products
- Organic Tea Farming
- Pest and Disease Management in Tea Gardens
- Soil and Water Management in Tea Cultivation
- Sustainable Tea Farming Practices

- Tea Cultivation and Planting Techniques
- Tea Exporting and International Trade
- Tea Garden Management Practices
- Tea Harvesting and Processing
- Tea Processing Technologies
- Tea Production Machinery and Equipment
- Tea Quality Control and Grading

Soil & Water Conservation

Description of the course :

Soil & Water Conservation focuses on protecting the earth's natural resources, particularly soil and water, which are crucial for agriculture and the environment. Students learn how to prevent soil erosion, manage water resources efficiently, and use techniques like terracing, irrigation, and planting cover crops to ensure that land remains fertile and water is used sustainably. This field is important for maintaining environmental health and promoting sustainable farming practices.

Core subjects of study :

- Agricultural Practices for Soil and Water Conservation
- Community-Based Conservation Practices
- Environmental Impact Assessment
- Erosion Control and Soil Protection
- Irrigation Systems and Techniques
- Policy and Regulatory Issues in Conservation
- Rainwater Harvesting Techniques
- Soil and Water Testing
- Soil Conservation Technologies
- Soil Fertility and Management
- Soil Formation and Types
- Sustainable Land Use and Management
- Water Management in Agriculture
- Watershed Management
- Watershed Planning and Management

Solar Energy

Description of the course :

Solar Energy involves using the sun's energy to generate power. Students learn about solar panels, photovoltaic cells, and solar thermal systems that convert sunlight into electricity or heat. This field is essential for promoting clean, renewable energy sources to reduce reliance on fossil fuels and combat climate change. It covers installation, maintenance, and efficiency improvements for solar energy systems.

Core subjects of study :

- Environmental Impact of Solar Energy
- Introduction to Solar Energy Systems
- Research and Innovation in Solar Technology
- Solar Electrical Systems and Grid Integration
- Solar Energy Conversion Technologies
- Solar Energy for Sustainable Development
- Solar Energy in Buildings and Architecture
- Solar Energy Policy and Regulations
- Solar Energy Storage Solutions
- Solar Irrigation and Rural Development
- Solar Panel Installation and Maintenance
- Solar Photovoltaic (PV) Systems
- Solar Power Plant Operations
- Solar System Design and Optimization
- Solar Thermal Energy Systems

Sports Nutrition & Physiotherapy

Description of the course :

Sports Nutrition & Physiotherapy focuses on the role of proper nutrition and physical therapy in maintaining and improving the performance and recovery of athletes. Students learn about the nutritional needs of athletes, how food impacts performance, and the basics of physiotherapy to treat injuries and improve mobility. This specialization is ideal for students interested in working with athletes to optimize their health and performance.

Core subjects of study :

- Biomechanics in Sports
- Energy Requirements for Athletes
- Exercise Physiology and Performance
- Hydration and Electrolyte Balance
- Introduction to Sports Nutrition
- Musculoskeletal Anatomy and Physiology
- Nutrition for Performance and Recovery
- Nutritional Supplements in Sports
- Physiotherapy for Injury Prevention
- Physiotherapy in Sports Medicine
- Rehabilitation Techniques for Athletes
- Sports Injury Assessment and Rehabilitation
- Sports Nutrition for Special Populations
- Sports Psychology and Nutrition
- Therapeutic Modalities in Physiotherapy

Sustainable Agriculture

Description of the course :

Sustainable Agriculture is about farming practices that are environmentally friendly, economically viable, and socially responsible. Students learn techniques to grow crops and raise animals while preserving natural resources, reducing pollution, and maintaining biodiversity. This field emphasizes practices like organic farming, water conservation, and soil health management to create a balance between food production and environmental sustainability.

Core subjects of study :

- Agricultural Biotechnology
- Agricultural Marketing and Value Chains
- Certification and Standards in Organic Agriculture
- Climate Change and Agriculture
- Community Development and Agricultural Systems
- Crop Rotation and Agroforestry
- Farm Management and Economics
- Integrated Pest Management (IPM)
- Introduction to Sustainable Farming
- Organic Farming Practices
- Pest Management in Sustainable Agriculture
- Soil Conservation and Fertility
- Sustainable Agricultural Policies
- Sustainable Livestock Farming
- Water Conservation and Irrigation Techniques

Telecommunications

Description of the course :

Telecommunications program focuses on the transmission of data, voice, and video over various communication systems like wired networks, wireless systems, and satellites. It covers the design, installation, maintenance, and troubleshooting of communication infrastructure, preparing students for careers in mobile networks, broadband, and satellite communication. The emphasis is on ensuring reliable communication through network management and signal processing.

Core subjects of study :

- Communication Networks and Infrastructure
- Data Transmission and Networking
- Digital Communication Technologies
- Internet of Things (IoT) in Telecom
- Introduction to Telecommunications Systems
- Mobile and Wireless Communication
- Network Design and Management
- Network Security in Telecommunications

- Optical Fiber Communication
- Satellite and Microwave Communications
- Telecom Regulations and Standards
- Telecommunication Devices and Equipment
- Telecommunication Protocols
- Troubleshooting and Maintenance in Telecom Systems
- Voice and Data Communication Systems

Telematics

Description of the course :

Telematics program combines telecommunications with computing to enable real-time data transmission and monitoring, especially in vehicles and transportation systems. It involves technologies like GPS, IoT (Internet of Things), and wireless communication to track vehicle performance, location, and driver behavior. Unlike telecommunications, which focuses on broad communication networks, telematics specifically integrates data processing and communication for applications in fleet management, navigation, and connected vehicles.

Core subjects of study :

- Automotive Telematics and Electronics
- Communication Networks for Telematics
- Data Analytics in Telematics
- Data Security in Telematics Systems
- GPS and Location-Based Services
- Internet of Things (IoT) and Telematics
- Introduction to Telematics Systems
- Real-time Data Transmission
- Software for Telematics Applications
- Telematics Applications in Fleet Management
- Telematics for Logistics and Transport
- Telematics Hardware and Infrastructure
- Telematics Regulations and Standards
- Vehicle Safety and Monitoring Systems
- Vehicle Telematics Systems

Textile Design

Description of the course :

Textile Design involves creating patterns and designs for fabrics and materials used in fashion, interiors, and industry. Students learn about the design process, fabric properties, color theory, and how to use various tools and technologies to create unique textile products. This field blends creativity with technical skills to produce textiles that are both functional and aesthetically pleasing.

Core subjects of study :

- Digital Textile Design
- Fabric and Material Selection
- Fashion and Apparel Design
- Fiber Science and Fabric Construction
- Introduction to Textile Design
- Surface Design Techniques
- Textile Colour Theory
- Textile Design Portfolio Development
- Textile Dyeing and Finishing
- Textile Pattern Making
- Textile Printing Techniques
- Textile Product Development
- Textile Sustainability and Eco-Friendly Practices
- Textile Technology and Innovations
- Textile Weaving and Knitting

Textile Dyeing & Printing

Description of the course :

Textile Dyeing & Printing focuses on the techniques used to color and print fabrics. Students learn about different types of dyes, printing methods, and how to apply these techniques to create beautiful, vibrant fabrics. This field is essential for the fashion and textile industries, where design and color are central to creating marketable products.

Core subjects of study :

- Color Matching and Colorfastness Testing
- Dyeing and Printing for Different Fabrics
- Dyeing Equipment and Maintenance
- Eco-friendly Dyeing and Printing
- Fabric Dyeing Methods
- Innovations in Textile Dyeing and Printing
- Printing Techniques in Textiles
- Screen Printing and Block Printing
- Special Effects in Textile Printing
- Textile Chemistry and Textile Dyes
- Textile Dyeing Techniques
- Textile Industry Regulations
- Textile Printing for Fashion Design
- Textile Printing Materials and Machinery
- Textile Quality Control in Dyeing

Theatre Study & Acting

Description of the course :

Theatre Study & Acting involves understanding the art of performance, including acting, directing, and stagecraft. Students learn how to portray characters, understand scripts, and develop performance skills. This field prepares students for careers in acting, theater production, and other performance arts, focusing on both creative expression and technical aspects of live theater.

Core subjects of study :

- Acting Techniques and Methods
- Costume Design and Wardrobe Management
- History and Evolution of Theatre
- Introduction to Theatre Arts
- Lighting and Sound Design
- Physical Theatre and Movement
- Script Analysis and Interpretation
- Stage Management and Operations
- Stagecraft and Production
- Theatre as a Tool for Social Change
- Theatre Direction and Playwriting
- Theatre Ethics and Professionalism
- Theatre Marketing and Audience Engagement
- Theatre Production and Staging
- Voice and Speech Training

Traditional Arts & Crafts

Description of the course :

Traditional Arts & Crafts focuses on preserving and promoting traditional forms of art and craftsmanship passed down through generations. Students learn various artistic techniques, such as painting, pottery, weaving, and sculpture, often rooted in cultural traditions. This field is ideal for students interested in the cultural heritage and craftsmanship involved in producing handmade, traditional artworks and crafts.

Core subjects of study :

- Art Conservation Techniques
- Art History and Techniques
- Community-based Craft Initiatives
- Craft Marketing and Business
- Crafting with Natural Materials
- Indian Folk Arts and Crafts
- Metal Craft and Jewellery Making
- Pottery and Ceramic Craft
- Preservation of Cultural Heritage through Art
- Sustainability in Traditional Craft
- Textile and Embroidery Arts

- Traditional Art and Craft Exhibitions
- Traditional Art Forms of India
- Traditional Painting and Calligraphy
- Wood Carving and Sculpture

Vehicle Testing

Description of the course :

Vehicle Testing involves the process of checking and inspecting vehicles to ensure they meet safety, performance, and environmental standards. Students learn how to conduct various tests on engines, emissions, brakes, and other vehicle components to ensure that they function properly and comply with regulations. This field is essential for students who are interested in the automotive industry and vehicle safety.

Core subjects of study :

- Automated Vehicle Testing Systems
- Brake and Safety Testing
- Electrical and Electronic Testing in Vehicles
- Engine and Transmission Testing
- Suspension and Steering System Testing
- Tire and Wheel Testing
- Vehicle Compliance with Regulatory Standards
- Vehicle Crash Test and Safety Standards
- Vehicle Diagnostics and Inspection
- Vehicle Emissions and Pollution Control
- Vehicle Fuel Systems and Efficiency
- Vehicle Performance Evaluation
- Vehicle Testing Documentation and Reporting
- Vehicle Testing Equipment and Tools
- Workshop Safety Protocols

VFX & Film Making

Description of the course :

VFX & Film Making focuses on the creative and technical processes involved in producing films, including visual effects (VFX), cinematography, editing, and sound. Students learn about using computer-generated imagery (CGI), editing software, and camera techniques to create movies and animations. This field is ideal for students passionate about storytelling, film production, and digital effects.

Core subjects of study :

- 3D Modeling and Animation
- Cinematography for Film Making
- Digital Compositing Techniques
- Film Directing and Production Management

- Film Editing and Post-Production
- Film Marketing and Distribution
- Film Production Process and Techniques
- Film Scriptwriting and Storyboarding
- Introduction to VFX and Film Making
- Legal and Copyright Aspects in Film Making
- Motion Graphics and Animation
- Sound Design and Editing for Film
- Special Effects and CGI
- VFX in Film and TV Production
- Visual Effects Software and Tools

Visual & Applied Arts

Description of the course :

Visual & Applied Arts combines the creation of visual art with its practical application in real-world products. Students learn about painting, sculpture, photography, and graphic design, and how to apply these skills in fields like advertising, product design, and digital media. This field prepares students for careers that combine creativity with functionality in the design industry.

Core subjects of study :

- Applied Arts in Commercial Design
- Art and Design for Advertising
- Art Exhibitions and Curation
- Art for Public Spaces and Installations
- Art History and Theory
- Art Therapy and Expression
- Ceramic Arts and Pottery
- Digital Art and Graphic Design
- Drawing and Painting Techniques
- Ethical Considerations in Art Creation
- Introduction to Visual Arts
- Photography and Visual Media
- Printmaking and Lithography
- Sculpture and 3D Art Forms
- Textile Arts and Techniques

Visual Communication Technology

Description of the course :

Visual Communication Technology focuses on creating and transmitting visual content to convey messages. Students learn how to design graphics, video, and interactive media to communicate effectively in advertising, marketing, and digital media. This field combines art with technology to create engaging and informative content for a wide range of industries.

Core subjects of study :

- Animation and Motion Graphics
- Branding and Corporate Identity
- Communication Theory and Practice
- Design Software and Tools
- Digital Media and Interactive Design
- Ethical Considerations in Visual Communication
- Fundamentals of Visual Communication
- Graphic Design Principles
- Marketing and Visual Advertising
- Photography and Videography for Communication
- Social Media and Visual Marketing
- Typography and Layout Design
- Video Editing and Production Techniques
- Visual Communication in Media and Entertainment
- Web Design and Multimedia

Visual Media & Film Making

Description of the course :

Visual Media & Film Making involves producing visual content for media platforms, including films, television shows, and digital platforms. Students learn about directing, cinematography, editing, and post-production processes. This specialization is ideal for those interested in the media and entertainment industry, combining creativity with technical skills to produce films and videos.

Core subjects of study :

- Camera Techniques and Cinematography
- Cinematic Techniques and Film Production
- Commercial Video Production
- Documentary Film Production
- Film Criticism and Analysis
- Film Directing and Producing
- Film Festival Management
- Film Marketing and Distribution
- Film Scriptwriting and Storyboarding
- Film Sound Design and Music
- Introduction to Visual Media
- Lighting Techniques in Film Making
- Media Ethics and Regulations
- Video Editing and Post-Production
- Visual Effects in Film Making

Water Sanitation & Waste Management

Description of the course :

Water Sanitation & Waste Management focuses on ensuring access to clean water and managing waste efficiently. Students learn about water purification methods, sewage treatment, and how to manage solid and liquid waste. This field is essential for public health and the environment, ensuring that communities have safe water and sustainable waste disposal systems.

Core subjects of study :

- Basics of Water Treatment and Purification
- Biodegradable and Non-Biodegradable Waste
- Community-Based Water Management
- Environmental Impact of Waste and Water
- Health and Safety in Waste Management
- Recycling and Waste Reduction
- Recycling Technologies and Innovations
- Sanitation Practices and Techniques
- Solid Waste Management Techniques
- Sustainable Waste Management Practices
- Waste Disposal and Landfill Management
- Waste Management Legislation and Policies
- Wastewater Management Systems
- Water Conservation and Efficiency
- Water Quality Testing and Monitoring

Web Technology & Multimedia

Description of the course :

Web Technology & Multimedia involves the study of how websites and digital content are created and managed. Students learn about programming languages, web design, animation, and multimedia content like videos and interactive elements. This field prepares students for careers in web development, digital media creation, and online marketing.

Core subjects of study :

- Content Management Systems (CMS)
- E-commerce Website Development
- HTML, CSS, and JavaScript
- Multimedia Elements (Audio, Video, Animation)
- Multimedia in Web Design
- Search Engine Optimization (SEO)
- Social Media Integration in Web Development
- Web and Mobile Application Development
- Web Design and User Experience (UX)
- Web Development Frameworks
- Web Development Fundamentals

- Web Hosting and Domain Management
- Web Marketing and Analytics
- Web Project Management
- Web Security Practices

Vocational Studies Entrance Exams

Exam for Vocational Studies	Institute/s admitting students for Course/s	Website		
CUET (UG) (Common University Entrance Test)	For admission in Vocational Studies courses at Central, Public and Private Universities who have opted to take UG admissions through CUET across India	https://cuet.samarth.ac.in/		
<ul style="list-style-type: none">• The paper will be held in ONLINE mode.• Slot 1: 195 minutes; Slot-2: 225 minutes• Correct answers will be awarded 5 marks. Incorrect answers will be penalised 1 mark.				
S.No.	Section(s)	Description	Questions	Marks
1.	Section IA	Choose any 1 of 13 Languages	40/50	200
2.	Section IB	Choose any 1 of 20 Languages other than IA		
3.	Section II	Choose Maximum 6 of 27 Domain Specific Subjects as desired for particular course by applicable University	40/50	200
4.	Section III	General Aptitude Test	60/75	300

Top 51 Vocational Studies Universities in India

Rank	Institute	Admission Process	Website
1	Jesus & Mary College for Women, Delhi	CUET-UG	https://www.jmc.ac.in/
2	Stella Maris College, Chennai, Tamilnadu	Based on 12th Marks	https://stellamariscollege.edu.in/
3	Mount Carmel College, Bangalore, Karnataka	Based on 12th Marks	https://mccblr.edu.in/
4	Aligarh Muslim University, Aligarh, Uttar Pradesh	CUET-UG	https://www.amu.ac.in/
5	Banaras Hindu University, Varanasi, Maharashtra	CUET-UG	https://www.bhu.ac.in/
6	Carmel College, Trissur, Kerala	Based on 12th Marks	https://www.carmelcollegemala.ac.in/
7	Dr. B.R. Ambedkar University, Delhi	CUET-UG	https://aud.ac.in/
8	Goswami Ganesh Dutta S.D. College, Sector 32-C, Chandigarh	Based on 12th Marks	http://ggdsd.ac.in/
9	Jamia Millia Islamia, Delhi	CUET-UG	https://www.jmi.ac.in/
10	Loyola College, Chennai, Tamilnadu	Based on 12th Marks	https://www.loyolacollege.edu/
11	Maulana Azad National Urdu University, Hyderabad, Telangana	CUET-UG	https://manuu.edu.in/
12	Ramnarain Ruia College L.N. Road, Mumbai, Maharashtra	Based on 12th Marks	https://www.ruiacollege.edu/
13	St. Xavier's College, Mumbai, Maharashtra	Based on 12th Marks	https://xaviers.ac/
14	University of Pune, Pune, Maharashtra	Based on 12th Marks	http://www.unipune.ac.in/
15	College of Vocational Studies, Delhi	CUET-UG	https://www.cvs.edu.in/
16	DAV College Sec 10, Chandigarh	Based on 12th Marks	https://www.davchd.ac.in/
17	St. Francis College for Women, Begumpet, Hyderabad	Based on 12th Marks	https://sfc.ac.in/
18	Sri Padmavati Mahila Viswavidyalaya, Tirupati, Andhra Pradesh	Based on 12th Marks	https://www.spmvv.ac.in/
19	Scope Global Skills University, Bhopal, Madhya Pradesh	CUET-UG	https://sgsuniversity.ac.in/
20	Apeejay College of Fine Arts, Jalandhar, Punjab	Based on 12th Marks	https://acfa.apeejay.edu/
21	Babasaheb Bhimrao Ambedkar University, Lucknow, Maharashtra	CUET-UG	https://www.bbau.ac.in/
22	Devi Ahilya Vishwavidyalaya, Indore, Madhya Pradesh	Based on 12th Marks	https://www.dauniv.ac.in/
23	Fergusson College, Pune, Maharashtra	Based on 12th Marks	https://www.fergusson.edu/

24	Guru Nanak Dev University College, Amritsar, Punjab	Based on 12th Marks	https://www.gndu.ac.in/
25	Islamic University Of Science And Technology, Kashmir, Jammu and Kashmir	CUET-UG	https://www.iust.ac.in/
26	St. Aloysius College, Thrissur, Kerala	Based on 12th Marks	https://www.stalloysiuselt.edu.in/
27	University Of Allahabad, Allahabad, Uttar Pradesh	CUET-UG	https://www.allduniv.ac.in/
28	St. Joseph's College, Bangalore, Karnataka	Based on 12th Marks	https://www.sjc.ac.in/
29	Yenepoya University, Mangalore, Karnataka	CUET-UG	https://yenepoya.edu.in/
30	Annamalai University, Annamalai Nagar, Tamilnadu	Based on 12th Marks	https://annamalaiuniversity.ac.in/
31	Avinashilingam University, Coimbatore, Tamilnadu	CUET-UG	https://avinuty.ac.in/
32	Bharathiar University, Coimbatore, Tamilnadu	Based on 12th Marks	https://b-u.ac.in/
33	Dr. Babasahab Ambedkar Marathwada University, Aurangabad, Maharashtra	Based on 12th Marks	http://www.bamu.ac.in/
34	Gujarat Vidyapith, Ahmedabad, Gujarat	CUET-UG	https://www.gujaratvidyapith.org/
35	Hemchandracharya North Gujarat University, Patan, Gujarat	Based on 12th Marks	https://www.ngu.ac.in/
36	St. Mary's College, Thrissur, Kerala	Based on 12th Marks	https://www.stmaryscollegethrissur.edu.in/
37	JSS College of Arts, Commerce & Science, Mysore, Karnataka	Based on 12th Marks	https://www.jsscacs.edu.in/
38	Maharani Lakshmi Ammanni College for Women, Bengaluru, Karnataka	Based on 12th Marks	https://www.mlacw.edu.in/
39	P.E.S Modern College of Arts, Science & Commerce, Pune, Maharashtra	Based on 12th Marks	http://moderncollegepune.edu.in/
40	Sandip University, Nashik, Maharashtra	Based on 12th Marks	https://www.sandipuniversity.edu.in/
41	St. Albert's College, Kochi, Kerala	Based on 12th Marks	https://www.alberts.edu.in/
42	Ramanujan College, Delhi	CUET-UG	https://ramanujancollege.ac.in/
43	Kalindi College for Women, Delhi	CUET-UG	https://www.kalindicollege.in/
44	Jiwaji University, Gwalior, Madhya Pradesh	JUET	http://www.jiwaji.edu/
45	St. Thomas College, Thrissur, Kerala	Based on 12th Marks	https://stthomas.ac.in/
46	Vivekananda Global University, Jaipur, Rajasthan	CUET-UG	https://vgu.ac.in/
47	University of Lucknow, Lucknow, Uttar Pradesh	Based on 12th Marks	https://www.lkouniv.ac.in/
48	Tripura University, Agartala, Tripura	CUET-UG	https://tripurauniv.ac.in/

49	St. Joseph's College for Women, Tiruchirapalli, Tamilnadu	Based on 12th Marks	https://www.sjctni.edu/
50	Manipur University, Imphal, Manipur	CUET-UG	https://www.manipuruniv.ac.in/
51	Sikkim University, Tadong, Sikkim	CUET-UG	https://www.cus.ac.in/

Frequently Asked Questions (FAQs)

Question: What is the fees for B.Voc. in India?

Answer: The fees for B.Voc. in India vary depending on the college or university, the location, and the type of course. The average fees for can vary between Rs. 3,000 to Rs. 2,00,000.

Question: Who should pursue a B.Voc. degree?

Answer: A B.Voc. degree is a skills-based education. It is ideal for candidates who wish to develop and enhance skills that would allow them to get a job, immediately after completing the program. Candidates who are already working in a particular industry and wish to improve their skills for better job prospects can also pursue this course.

Question: When is the ideal time to pursue a B.Voc.?

Answer: A candidate can immediately begin this course immediately after the completion of their 12th or equivalent examination from a recognised board. Candidates with 3 years diploma after 12th are also eligible to study the course

Question: How is the concept of vocational studies different from other verticals ?

Answer: Vocational studies differ from other educational verticals in their focus on practical skills and direct job readiness. Unlike general education, which provides broad academic knowledge, vocational courses are designed to equip students with industry-specific skills for immediate employment. Vocational studies emphasize hands-on learning and practical experience, preparing students to enter the workforce quickly and effectively.

Question: Is a vocational degree equivalent to a regular degree?

Answer: Yes, vocational degrees (such as B.Voc) are considered equivalent to traditional bachelor's degrees. They are recognized by universities and educational authorities, provided the program is accredited and recognized by the University Grants Commission (UGC) or the relevant regulatory body.

Question: What is the difference between vocational education and regular university education?

Answer: Vocational Education focuses on skill development and industry-specific knowledge, with more practical and hands-on learning and Regular Education focuses on theoretical knowledge with less emphasis on skills directly applicable to specific industries or professions.

Question: Can I pursue higher studies after completing a vocational bachelor's degree?

Answer: Yes, graduates can pursue higher studies after completing a vocational bachelor's degree. They can opt for:

- Master's Degrees in related fields [e.g., MBA, M.Voc, M.A. (Vocaional Studies),
- M.Com. (Vocational Studies), MSc in Healthcare Management]
- Postgraduate Diplomas and certifications in specialized areas.
- Job-Oriented Programs like professional certifications or online courses to further enhance their skills.

Question: What is the advantage of pursuing vocational education at the bachelor's level?

Answer:

- Industry-Relevant Skills: Focus on practical skills that are directly applicable to job markets.
- Better Job Opportunities: Graduates are often preferred by employers due to their specialized skills.
- Hands-On Experience: Programs often include internships and projects with industry partners.
- Faster Career Entry: Vocational education is tailored to provide quicker entry into the workforce.
- Entrepreneurship: These programs also provide a strong foundation for those interested in starting their own business.

Thanks and Acknowledgement

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

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

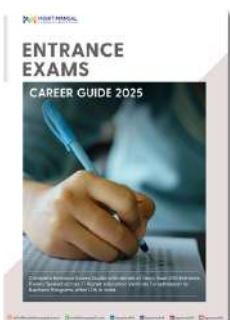
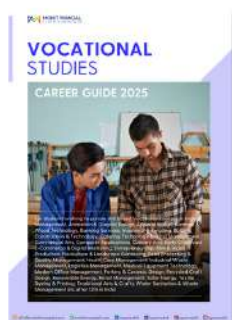
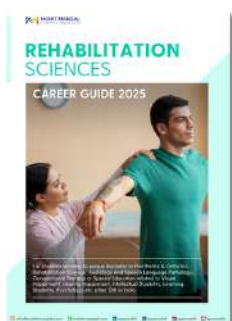
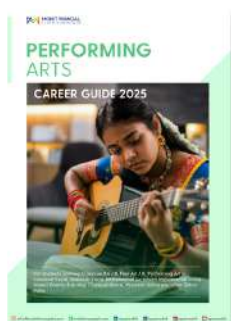
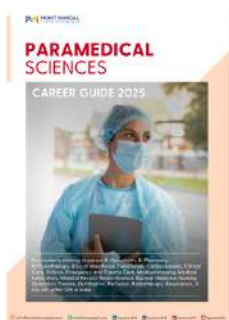
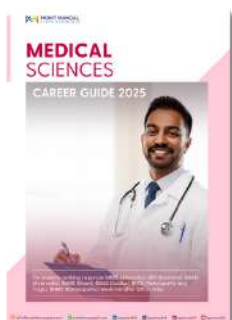
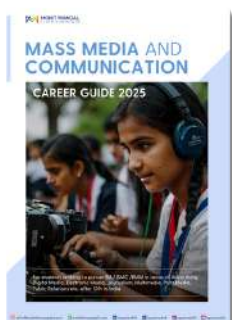
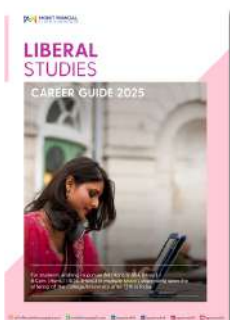
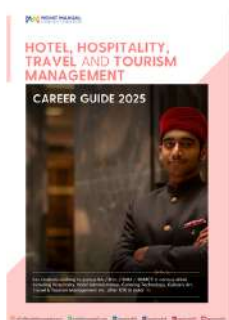
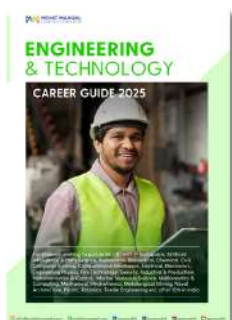
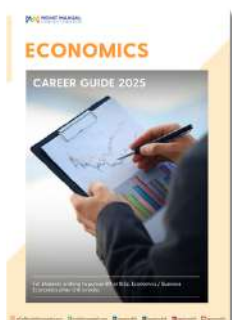
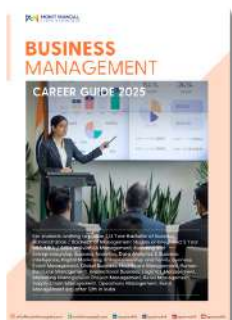
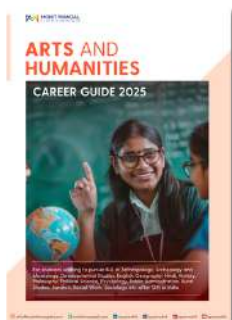
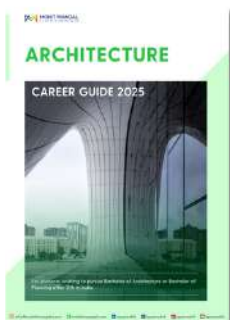
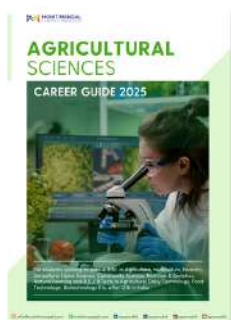


Mohit Mangal

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

Counselled 27k+ students | Delivered 1750+ talks

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ABOUT THE AUTHORS

Mr. Mohit Mangal is a visionary Author and Career Counselor with over 22 years of experience in shaping the futures of India's youth. He has guided more than 7.5 lakh students through his Career Workshops across India and abroad, making him one of the most respected voices in career counselling today. Central to Mr. Mangal's approach are three key pillars: encouraging 'self-discovery', fostering 'holistic education', and promoting 'careers in India' among students. Mr. Mangal's sessions are designed to help students through self-discovery - identifying their unique strengths, values, and passions. He is also a strong advocate for holistic education, emphasizing the need to equip children with life skills, emotional intelligence, and a mindset for critical & design thinking. Recognizing the pressing issue of brain drain, he is deeply committed to promoting careers in India, helping students uncover the immense potential within India's rapidly growing economy. Mr. Mangal has authored more than 22 books including the most acclaimed Parents' Handbook of Careers After School in India. His publications have got appreciation by the Honourable Prime Minister of India, Shri Narendra Modi, among others. Mr. Mangal's influence extends beyond mentoring and counselling sessions; he has delivered over 1,750 inspiring talks, and given guest lectures at esteemed institutions like Mahmudabad, IIT Bombay, NID, and NIFT, among others. His upcoming initiative, the iQue Foundation, further underscores his vision of promoting career opportunities in India.

Mr. N. Sathyanarayan, a scholar of remarkable intellect and curiosity, has been a pivotal force in shaping the foundation of our efforts to build this. As a Computer Engineer and Masters of Business Administration from the Prestigious IIT-Madras, he brought unparalleled depth and insight to the process, lending his 17 years of academic excellence and practical wisdom to this initiative. An avid reader and traveller, his insatiable curiosity and commitment to knowledge have made him a rare educator who inspires both students and peers. His meticulous approach and passion for nurturing young minds have left an indelible mark on every page of these handbooks. Beyond his academic prowess, he is a thinker, a mentor, and a torchbearer for the value of holistic education. His contributions to this initiative have been nothing short of transformative, and his legacy will continue to guide countless students on their paths to success.

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