



Computer Basic Course Syllabus



Module 1: Introduction to Computers

- What is a Computer?
- History & Generations of Computers
- Types of Computers (Desktop, Laptop, Tablet, Supercomputer)
- Hardware vs Software
- Input & Output Devices
- CPU, Memory (RAM, ROM), Storage Devices



Module 2: Operating System (Windows Basics)

- Introduction to Operating System
- Working with **Microsoft Windows**
- Desktop, Taskbar, Start Menu
- File & Folder Management
- Control Panel & Settings
- Installing & Uninstalling Software
- Basic Troubleshooting



Module 3: MS Office

1 Microsoft Word

- Creating & Formatting Documents
- Page Setup, Margins
- Tables, Images, Shapes
- Resume & Letter Creation
- Printing Documents

2 Microsoft Excel

- Introduction to Spreadsheet
- Rows, Columns, Cells
- Basic Formulas (SUM, AVERAGE, IF)
- Charts & Graphs
- Salary Sheet / Marksheet Preparation

3 Microsoft PowerPoint

- Creating Presentations
- Slide Design & Layout
- Animations & Transitions
- Slide Show Settings

Module 4: Internet & Email

- Introduction to Internet
- Web Browsers (Chrome Basics)
- Search Engine Usage
- Creating Email ID (Gmail)
- Sending & Receiving Emails
- Attachments & Google Drive
- Online Safety & Cyber Security Basics

Module 5: Typing & Practical Skills

- English & Hindi Typing Practice
- Typing Speed Improvement
- Shortcut Keys
- Basic Data Entry Practice

Module 6: Basic Digital Skills

- Online Forms Filling
- Online Payments (UPI Basics)
- Using Government Websites
- Creating & Uploading Documents
- Scanning & PDF Conversion



Advanced Excel Course Syllabus

Module 1: Excel Advanced Fundamentals

- Quick Revision of Basics
- Advanced Formatting Techniques
- Conditional Formatting (Advanced Rules)
- Custom Number Formatting
- Data Validation (Drop-down, Dependent Lists)

Using Microsoft Excel

Module 2: Advanced Formulas & Functions

◇ Logical Functions

- IF (Nested IF)
- IFS
- AND / OR
- IFERROR

◇ Lookup Functions

- VLOOKUP
- HLOOKUP
- XLOOKUP
- INDEX + MATCH (Advanced Lookup)
- Dynamic Lookups

◇ Text Functions

- LEFT, RIGHT, MID
- LEN, TRIM
- CONCAT, TEXTJOIN
- UPPER, LOWER, PROPER

◇ Date & Time Functions

- TODAY, NOW
- DATEDIF
- EOMONTH
- WORKDAY

Module 3: Pivot Tables & Data Analysis

- Creating Pivot Tables
- Pivot Charts
- Slicers & Timelines
- Grouping Data
- Calculated Fields
- Dashboard using Pivot

Module 4: Data Tools

- Remove Duplicates
- Flash Fill
- Text to Columns
- Consolidation
- What-If Analysis
 - Goal Seek
 - Data Table
 - Scenario Manager

Module 5: Advanced Data Visualization

- Professional Charts
- Combo Charts
- Dynamic Charts
- Sparklines
- Dashboard Creation
- KPI Reports

Module 6: Power Tools (Important for Jobs)

◇ **Power Query**

- Import Data
- Clean & Transform Data
- Merge & Append Tables

◇ Power Pivot

- Data Model
- Relationships
- Basic DAX Formulas

Module 7: Macros & VBA (Basic Automation)

- Recording Macros
- Absolute vs Relative Macros
- Introduction to VBA
- Simple Automation Codes
- Buttons & Form Controls

Module 8: Real-World Projects

- Salary Sheet Automation
- Sales Dashboard
- Inventory Management System
- MIS Report
- Data Cleaning Project

Course Duration Options

- 45 Days (Fast Track)
- 2 Months (Standard)
- 3 Months (With Projects + VBA)

Career Scope

After this course, you can apply for:

- Data Analyst (Entry Level)
- MIS Executive
- Accounts Executive
- Business Analyst (Junior)

Tally Prime Course Syllabus

Module 1: Introduction to Accounting

- Basics of Accounting
- Accounting Principles
- Types of Accounts (Real, Personal, Nominal)
- Golden Rules of Accounting
- Debit & Credit Concept
- Journal Entries
- Ledger & Trial Balance

Module 2: Company Creation in Tally

- Introduction to Tally Prime Interface
- Company Creation
- Company Alter & Delete
- Security Control
- Backup & Restore

Module 3: Masters Creation

- Creating Ledgers
- Creating Groups
- Stock Groups
- Stock Categories
- Units of Measurement
- Godowns
- Inventory Masters

Module 4: Voucher Entry

- Payment Voucher
- Receipt Voucher
- Contra Voucher
- Journal Voucher

- Purchase Voucher
- Sales Voucher
- Debit Note & Credit Note

Module 5: GST in Tally

- Introduction to GST
- GST Configuration
- Creating GST Ledgers
- Purchase & Sales with GST
- CGST, SGST, IGST
- GST Reports
- GSTR-1 & GSTR-3B Overview

Module 6: Banking

- Bank Reconciliation (BRS)
- Cheque Printing
- E-Payments
- Auto Bank Reconciliation

Module 7: Payroll Management

- Employee Creation
- Attendance Setup
- Salary Structure
- Payroll Voucher Entry
- Payslip Generation

Module 8: Inventory Management

- Purchase Order
- Sales Order
- Delivery Note
- Rejection In / Out
- Stock Summary
- Godown Transfer

Module 9: Reports & MIS

- Profit & Loss Account
- Balance Sheet
- Cash Flow
- Ratio Analysis
- Outstanding Reports
- Day Book

Module 10: Advanced Features

- TDS Entry
- TCS Entry
- Cost Centres
- Budgeting
- Interest Calculation
- Data Import & Export (Excel to Tally)

Course Duration

- 45 Days (Basic + GST)
- 2 Months (With Payroll & Inventory)
- 3 Months (Advanced + Practical Projects)

Career Opportunities

After completing this course, you can apply for:

- Accountant
- GST Executive
- Billing Executive
- Accounts Assistant
- Tally Operator
- Junior Auditor



AutoCAD Course Syllabus



Module 1: Introduction to AutoCAD

- What is CAD?
- Uses of AutoCAD (Civil, Mechanical, Electrical, Interior)
- Interface Overview
- Workspace Setup
- Units & Limits Setting
- Coordinate System (Absolute, Relative, Polar)



Module 2: Basic Drawing Commands

- Line
- Polyline
- Circle
- Arc
- Rectangle
- Polygon
- Ellipse
- Spline

Practice: Simple 2D Drawings



Module 3: Modify Commands

- Move
- Copy
- Rotate
- Mirror
- Scale
- Trim
- Extend
- Offset
- Fillet
- Chamfer
- Array
- Stretch

Practice: Floor Plan Editing

Module 4: Layers & Properties

- Creating & Managing Layers
- Layer Colors & Line Types
- Lineweight
- Object Properties
- Layer Standards

Module 5: Text & Dimensions

- Single Line Text
- Multiline Text
- Text Styles
- Dimension Styles
- Linear / Aligned / Radius Dimensions
- Leaders & Multileaders

Practice: Dimensioned Drawings

Module 6: Blocks & Attributes

- Creating Blocks
- Inserting Blocks
- WBLOCK
- Dynamic Blocks
- Attributes Creation
- Title Block Design

Module 7: Hatching & Annotation

- Hatch & Gradient
- Annotation Scale
- Tables
- Revision Clouds

Module 8: Layout & Printing

- Model Space vs Paper Space
- Viewports
- Plot Settings
- Page Setup
- PDF Export

Advanced AutoCAD (Optional)

Module 9: 3D Basics

- 3D Modeling Introduction
- Extrude
- Revolve
- Sweep
- Loft
- 3D Orbit
- Visual Styles

Module 10: Real Projects

- 2BHK Floor Plan
- Electrical Layout
- Mechanical Part Drawing
- Interior Layout Plan

Course Duration

- 45 Days (2D Only)
- 2 Months (2D + Basic 3D)
- 3 Months (Advanced + Projects)

Career Opportunities

After completion, students can apply for:

- CAD Draftsman
- Civil Draftsman
- Interior Designer Assistant
- Mechanical Design Executive
- Site Engineer Support

SolidWorks Course Syllabus

Module 1: Introduction to SolidWorks

- Introduction to CAD & 3D Modeling
- SolidWorks Interface Overview
- Sketching Environment
- Units & Document Settings
- Design Intent Concept

Module 2: Sketching (2D Basics)

- Line, Circle, Rectangle, Polygon
- Smart Dimensions
- Sketch Relations
- Trim, Offset, Mirror
- Fully Defined Sketch
- Geometric Constraints

Practice: Basic Mechanical Sketches

Module 3: Part Modeling (3D Modeling)

- Extruded Boss/Base
- Revolved Boss/Base
- Sweep
- Loft
- Cut-Extrude
- Fillet & Chamfer
- Shell
- Draft
- Rib
- Hole Wizard

Practice: Mechanical Components Design

Module 4: Advanced Part Modeling

- Reference Geometry (Plane, Axis)
- Patterns (Linear, Circular, Mirror)
- Configurations
- Design Table
- Equations
- Multi-body Parts

Module 5: Assembly Modeling

- Creating Assembly
- Inserting Components
- Mates (Coincident, Parallel, Distance, Angle)
- Exploded View
- Smart Fasteners
- Interference Detection
- Assembly Motion Study (Basic)

Practice: Machine Assembly Project

Module 6: Drawing & Drafting

- Creating 2D Drawing from 3D Model
- Standard Views
- Section View
- Detail View
- BOM (Bill of Materials)
- Ballooning
- Tolerances & Surface Finish Symbols

Module 7: Sheet Metal (Important for Jobs)

- Base Flange
- Edge Flange
- Miter Flange
- Hem
- Sketched Bend
- Flat Pattern

Module 8: Weldments

- Structural Members
- Trimming & Extending
- Weld Beads
- Cut List

Module 9: Rendering & Visualization

- Appearances & Materials
- Basic Rendering
- PhotoView 360 (If Available)

Course Duration

- 45 Days (Basic Part + Assembly)
- 2 Months (With Sheet Metal & Drawings)
- 3 Months (Advanced + Real Projects)

Real Projects

- Gear Design
- Clamp Design
- Shaft Assembly
- Sheet Metal Enclosure
- Industrial Machine Model

Career Opportunities

After completing this course:

- Mechanical Design Engineer

- CAD Engineer
- Product Design Engineer
- Tool & Die Designer
- R&D Design Executive

Revit Course Syllabus

Module 1: Introduction to BIM & Revit

- What is BIM (Building Information Modeling)?
- Difference between CAD & BIM
- Revit Interface Overview
- Project Templates
- Units & Project Settings
- Navigation Tools

Module 2: Basic Modeling (Architecture)

- Levels & Grids
- Walls Creation
- Doors & Windows
- Floors
- Roofs
- Ceilings
- Columns

Practice: Basic Residential Plan

Module 3: Modify & Edit Tools

- Move, Copy, Rotate
- Align, Offset
- Mirror
- Trim / Extend
- Split Elements
- Pin & Unpin

Module 4: Families & Components

- Loadable Families
- System Families
- In-place Families
- Creating Basic Family

- Editing Family Parameters
- Parametric Family Basics

Module 5: Views & Documentation

- Plan Views
- Elevations
- Sections
- 3D Views
- View Templates
- Annotations
- Dimensions
- Tags

Module 6: Schedules & Quantities

- Creating Schedules
- Material Takeoff
- Quantity Takeoff
- Filtering & Sorting
- Calculated Values

Module 7: Worksets & Collaboration

- Introduction to Worksharing
- Creating Worksets
- Central Model
- Collaboration Basics

Module 8: Rendering & Visualization

- Materials & Appearance
- Lighting Setup
- Camera Views
- Basic Rendering
- Walkthrough Creation

Module 9: Revit Structure (Basic)

- Structural Columns
- Beams
- Foundations
- Slabs

Module 10: Revit MEP (Basic)

- HVAC Basics
- Plumbing Fixtures
- Electrical Fixtures
- Duct & Pipe Basics

Real Project Work

- 2BHK Residential Building Model
- Elevation & Section Creation
- Quantity Takeoff Report
- 3D Rendered Views

Course Duration

- 2 Months (Architecture Only)
- 3 Months (Architecture + Structure)
- 4 Months (Architecture + Structure + MEP)

Career Opportunities

After completing this course:

- BIM Modeler
- Revit Architect
- Structural BIM Engineer
- MEP BIM Engineer

UG (NX) Course Syllabus

Module 1: Introduction to NX

- Introduction to CAD/CAM/CAE
- NX Interface Overview
- File Management
- Units & Preferences
- Sketch Environment Basics
- Design Intent Concept

Module 2: Sketcher

- Line, Arc, Circle, Rectangle
- Constraints (Geometric & Dimensional)
- Trim, Extend, Offset
- Mirror
- Fully Constrained Sketch
- Sketch Analysis

Practice: Mechanical Profile Drawings

Module 3: Part Modeling (3D Modeling)

- Extrude
- Revolve
- Sweep
- Loft
- Hole Feature
- Edge Blend (Fillet)
- Chamfer
- Shell
- Draft
- Pattern (Rectangular, Circular)

Practice: Machine Components Design

Module 4: Advanced Modeling

- Boolean Operations
- Datum Plane & Axis
- Expressions
- Feature Edit & Suppress
- Surface Modeling Basics
- Trim & Sew Surfaces

Module 5: Assembly Modeling

- Assembly Navigator
- Adding Components
- Constraints & Mates
- Exploded View
- Interference Check
- Assembly Arrangements

Practice: Mechanical Assembly Project

Module 6: Drafting (2D Drawing)

- Creating Drawing Sheet
- Standard Views
- Section View
- Detail View
- Dimensioning
- Tolerances & GD&T Basics
- Bill of Materials (BOM)

Module 7: Sheet Metal

- Tab Creation
- Flange
- Bend
- Unbend / Rebend
- Flat Pattern
- Sheet Metal Drafting

Module 8: Surface Modeling (Important for Design Engineers)

- Through Curves
- Swept Surface
- Law Extension
- Surface Trim & Extend
- Surface Analysis

Module 9: CAM (Manufacturing Basics)

- Introduction to CAM
- Toolpath Creation
- 2-Axis Machining
- 3-Axis Machining
- Post Processing Basics

Real Projects

- Gear Design
- Shaft Assembly
- Sheet Metal Box
- Mold Component
- Surface Model Project

Course Duration

- 2 Months (Part + Assembly + Drafting)
- 3 Months (With Sheet Metal & Surface)
- 4 Months (Full CAD + CAM)

Career Opportunities

After completing this course:

- CAD Design Engineer
- NX Designer
- Tool & Die Designer
- Mold Design Engineer
- CAM Programmer

3ds Max Course Syllabus

Module 1: Introduction to 3ds Max

- Introduction to 3D Concepts
- Interface Overview
- Viewports Navigation
- Units Setup
- File Management
- Transform Tools (Move, Rotate, Scale)

Module 2: Basic Modeling

- Standard Primitives (Box, Sphere, Cylinder, Plane)
- Extended Primitives
- Editable Poly
- Polygon, Edge, Vertex, Element Editing
- Extrude, Inset, Bevel
- Bridge, Connect
- Modifier Stack

Practice: Simple Furniture Modeling

Module 3: Advanced Modeling

- Spline Modeling
- Loft
- Lathe
- Boolean
- ProBoolean
- Array Tool
- Graphite Modeling Tools

Practice: Interior Objects Creation

Module 4: Materials & Texturing

- Material Editor (Compact & Slate)

- Standard Materials
- Physical Material
- Mapping Techniques (UVW Map)
- Multi/Sub-Object Material
- Texture Maps

Module 5: Lighting

- Standard Lights
- Photometric Lights
- HDRI Lighting
- Daylight System
- Interior Lighting Setup

Module 6: Cameras

- Target Camera
- Free Camera
- Camera Composition
- Depth of Field
- Walkthrough Animation

Module 7: Rendering

- Render Setup
- Arnold Renderer (Basic)
- V-Ray (If Included)
- Exposure Control
- Render Elements
- Output Settings

Practice: Interior Render Scene

Module 8: Animation Basics

- Keyframe Animation
- Timeline & Track View
- Animation Controllers

- Basic Object Animation
- Camera Animation

Module 9: Architectural Visualization Project

- 2BHK Interior Modeling
- Exterior Elevation Design
- Lighting Setup
- Final Render Output

Course Duration

- 2 Months (Modeling + Rendering)
- 3 Months (With Animation & Projects)

Career Opportunities

After completing this course:

- 3D Visualizer
- Interior Rendering Artist
- Architectural Designer Assistant
- 3D Animator (Basic Level)
- Game Asset Modeler



SOFTWARE DEVELOPMENT

(MERN Stack Course Syllabus)

Module 1: Web Development Fundamentals (2-3 Weeks)

- How Internet & Web Works
- HTTP & HTTPS
- Client vs Server
- Frontend vs Backend
- Git & GitHub Basics
- VS Code Setup

◇ **HTML5**

- Tags, Forms, Tables
- Semantic Elements

◇ **CSS3**

- Selectors
- Box Model
- Flexbox
- Grid
- Responsive Design
- Media Queries

◇ **JavaScript (Core)**

- Variables & Data Types
- Functions
- Arrays & Objects
- DOM Manipulation
- Events
- ES6 Concepts (Arrow Function, Destructuring, Spread)

Module 2: Advanced JavaScript

- Promises

- Async / Await
- Fetch API
- Modules
- Error Handling
- Local Storage

Mini Project: Responsive Website + JS Functionality

Module 3: React JS (Frontend Development)

Using React

- Introduction to SPA
- Components (Functional)
- JSX
- Props & State
- Hooks (useState, useEffect, useRef)
- Forms Handling
- Routing (React Router)
- Context API
- Axios
- API Integration

Project:

- Portfolio Website
- Blog App
- E-commerce Frontend

Module 4: Node.js (Backend Development)

Using Node.js

- Node Architecture
- NPM
- Creating Server
- File System Module
- REST API Development
- Middleware

Module 5: Express.js

Using Express.js

- Routing
- Request & Response
- Middleware
- Error Handling
- Authentication (JWT)
- Role-Based Access

Project:

- User Authentication System

Module 6: MongoDB (Database)

Using MongoDB

- NoSQL Concepts
- CRUD Operations
- Mongoose
- Schema Design
- Relationships
- Aggregation Basics

Module 7: Full Stack Integration

- Connecting React + Node + MongoDB
- Authentication (Login / Signup)
- Protected Routes
- CRUD Full App

Major Project:

- E-commerce Website
- Job Portal
- Social Media App
- LMS Platform

Module 8: Deployment & DevOps Basics

- Environment Variables
- Build Process
- Deployment on:
 - Vercel (Frontend)
 - Render / Railway (Backend)
- Domain Setup Basics

Course Duration

- 4 Months (Basic to Intermediate)
- 6 Months (With Internship + Projects)

Career Opportunities

- Full Stack Developer
- Frontend Developer
- Backend Developer
- React Developer
- Node Developer
- Software Engineer (Entry Level)

Portfolio Requirements

Students must complete:

- 3 Mini Projects
- 1 Major Full Stack Project
- GitHub Profile
- Live Deployed Project

Digital Marketing Course Syllabus

Module 1: Introduction to Digital Marketing

- What is Digital Marketing?
- Traditional vs Digital Marketing
- Digital Marketing Channels
- Marketing Funnel
- Buyer Persona
- Basics of Branding

Module 2: Search Engine Optimization (SEO)

◇ On-Page SEO

- Keyword Research
- Title & Meta Tags
- URL Optimization
- Internal Linking
- Image Optimization

◇ Off-Page SEO

- Backlink Building
- Guest Posting
- Directory Submission
- Social Bookmarking

◇ Technical SEO

- Website Speed Optimization
- Mobile Optimization
- Sitemap & Robots.txt
- Google Search Console Setup

Using Google Search Console

Module 3: Social Media Marketing (SMM)

- Platform Understanding:

- Facebook
- Instagram
- LinkedIn
- YouTube
- Profile Optimization
- Content Strategy
- Hashtag Strategy
- Reels & Short-form Content
- Social Media Calendar Creation

Module 4: Google Ads (PPC)

- Introduction to PPC
- Search Ads
- Display Ads
- Video Ads
- Keyword Planner
- Campaign Setup
- Conversion Tracking

Using **Google Ads**

Module 5: Social Media Advertising

- Facebook & Instagram Ads
- Ad Campaign Structure
- Audience Targeting
- Retargeting
- Budget Planning
- Ad Creatives & Copywriting

Using **Meta Ads Manager**

Module 6: Content Marketing

- Content Strategy
- Blogging
- SEO Content Writing
- Copywriting Basics
- Content Distribution

Module 7: Email Marketing

- Email Strategy
- Lead Magnet Creation
- Automation Basics
- Campaign Tracking

Using tools like:

- Mailchimp

Module 8: Affiliate Marketing

- What is Affiliate Marketing?
- Affiliate Platforms
- Commission Models
- Niche Selection

Module 9: Website & Landing Page Basics

- WordPress Basics
- Landing Page Creation
- Conversion Optimization
- Basic Funnel Building

Using **WordPress**

Module 10: Analytics & Reporting

- Website Analytics
- Traffic Analysis
- Conversion Tracking
- ROI Calculation

Using **Google Analytics**

Course Duration

- 3 Months (Basic + SEO + SMM)
- 4 Months (With Ads + Projects)
- 6 Months (Advanced + Internship + Live Projects)

Practical Projects

- Live Website SEO
- Run Google Ads Campaign
- Create Social Media Strategy
- Design Landing Page
- Generate Leads Campaign

Career Opportunities

- Digital Marketing Executive
- SEO Executive
- Social Media Manager
- PPC Expert
- Content Marketer
- Freelance Marketer
- Digital Marketing Agency Owner

UI / UX Designer Course Syllabus

Module 1: Introduction to UI & UX

- What is UI Design?
- What is UX Design?
- Difference between UI & UX
- Design Thinking Process
- UX Laws & Principles
- Importance of User-Centered Design

Module 2: UX Research

- User Research Methods
- User Interviews
- Surveys
- Creating User Personas
- Empathy Map
- User Journey Mapping
- Competitive Analysis

Module 3: Information Architecture

- Site Mapping
- User Flow
- Wireframing Basics
- Low-Fidelity Wireframes
- Mid-Fidelity Wireframes

Module 4: UI Design Fundamentals

- Color Theory
- Typography
- Layout & Grid System
- Spacing & Alignment
- Visual Hierarchy
- Design Systems

Module 5: Wireframing & Prototyping Tools

Using:

- Figma
- Adobe XD

Topics:

- Frames & Components
- Auto Layout
- Constraints
- Prototyping
- Interactive Components
- Design Handoff

Module 6: Responsive & Mobile Design

- Mobile-First Approach
- Responsive Web Design
- Breakpoints
- Adaptive Layout
- Cross-Platform Design

Module 7: UX Testing

- Usability Testing
- A/B Testing
- Heuristic Evaluation
- Feedback Analysis
- Iteration & Improvement

Module 8: Advanced UI

- Microinteractions
- Animation Basics
- Design Tokens
- Accessibility (WCAG Basics)

- Dark Mode Design

Module 9: Portfolio Development

- Case Study Writing
- Problem-Solution Presentation
- Behance / Dribbble Profile Setup
- Resume Design for UI/UX

Real Projects

- Landing Page Design
- E-commerce App Design
- Food Delivery App
- Banking App Redesign
- SaaS Dashboard UI

Course Duration

- 3 Months (Basic + Projects)
- 4 Months (With UX Research + Testing)
- 6 Months (Advanced + Internship + Portfolio)

Career Opportunities

- UI Designer
- UX Designer
- Product Designer
- Interaction Designer
- Mobile App Designer
- Web Designer
- UX Researcher (Junior)

Graphic Designing Course Syllabus

Module 1: Introduction to Graphic Design

- What is Graphic Design?
- Principles of Design (Balance, Contrast, Alignment, Repetition)
- Color Theory
- Typography Basics
- Design Elements (Line, Shape, Texture, Space)
- Understanding Branding

Module 2: Adobe Photoshop (Image Editing)

Using Adobe Photoshop

- Interface Overview
- Layers & Layer Styles
- Selection Tools
- Masking
- Photo Retouching
- Background Removal
- Poster & Banner Design
- Social Media Creatives

Practice Projects:

- Instagram Post
- Festival Poster
- YouTube Thumbnail

Module 3: Adobe Illustrator (Vector Design)

Using Adobe Illustrator

- Pen Tool Mastery
- Shapes & Pathfinder
- Logo Design
- Icon Design
- Typography Design
- Business Card Design
- Brochure Design

Practice Projects:

- Logo Creation
- Visiting Card
- Company Brochure

Module 4: Adobe InDesign (Print & Layout Design)

Using Adobe InDesign

- Layout Setup
- Master Pages
- Typography Control
- Magazine Layout
- Book Design
- Print Settings

Module 5: CorelDRAW (Optional / Print Focus)

Using CorelDRAW

- Vector Tools
- Print Design
- Flex & Banner Design
- T-shirt Design

Module 6: Branding & Identity Design

- Logo Types
- Brand Guidelines
- Color Palette Selection
- Typography System
- Mockup Presentation
- Brand Kit Creation

Module 7: Social Media & Digital Design

- Ad Creatives

- Carousel Posts
- YouTube Banner
- Thumbnail Design
- WhatsApp Marketing Creatives
- Google Ads Banner Sizes

Module 8: Portfolio & Freelancing

- Portfolio Creation (Behance)
- Case Study Presentation
- Client Communication
- Pricing Strategy
- Fiverr / Upwork Basics

Real Projects

- Complete Brand Identity
- Social Media Campaign
- Restaurant Menu Design
- Product Packaging
- Festival Creative Campaign

Course Duration

- 3 Months (Basic + Software)
- 4 Months (With Branding + Projects)
- 6 Months (Advanced + Freelancing + Internship)

Career Opportunities

- Graphic Designer
- Social Media Designer
- Brand Designer
- Packaging Designer
- Print Designer



Business Analyst Course Syllabus

Module 1: Introduction to Business Analysis

- Role of a Business Analyst
- SDLC (Software Development Life Cycle)
- Agile vs Waterfall Methodology
- Stakeholder Management
- Business vs System Analyst

Module 2: Requirement Gathering

- Requirement Elicitation Techniques
 - Interviews
 - Workshops
 - Brainstorming
- BRD (Business Requirement Document)
- FRD (Functional Requirement Document)
- User Stories
- Acceptance Criteria
- Use Case Diagram

Module 3: Process Modeling

- As-Is & To-Be Process
- Flowcharts
- BPMN Basics
- Gap Analysis
- SWOT Analysis

Using tools like:

- Microsoft Visio
- Lucidchart

Module 4: Agile & Scrum

- Scrum Framework
- Sprint Planning
- Product Backlog
- Sprint Backlog
- Daily Stand-up
- User Story Writing

Using:

- **Jira**

Module 5: Data Analysis for Business Analysts

- Basics of Data Analysis
- Excel for BA
- Pivot Tables
- Basic SQL
- Writing Queries
- Data Interpretation

Using:

- **Microsoft Excel**
- **MySQL**

Module 6: Documentation & Reporting

- BRD Creation
- SRS Documentation
- Wireframe Creation
- Prototyping Basics

Using:

- **Figma**

Module 7: Testing Basics

- Types of Testing
- Test Case Writing

- UAT (User Acceptance Testing)
- Defect Life Cycle

Module 8: Communication & Soft Skills

- Presentation Skills
- Client Handling
- Email Writing
- Conflict Management
- Negotiation Skills

Real Projects

- Banking Requirement Analysis
- E-commerce App Requirement Documentation
- Creating BRD & FRD
- Agile Project Simulation

Course Duration

- 3 Months (Basic + Documentation)
- 4 Months (With Agile + SQL)
- 6 Months (Advanced + Internship + Live Project)

Career Opportunities

- Business Analyst
- Junior Business Analyst
- Product Analyst
- Functional Consultant
- BA in IT Company
- Requirement Analyst



Data Analyst Course Syllabus

Module 1: Introduction to Data Analytics

- What is Data Analytics?
- Types of Analytics (Descriptive, Diagnostic, Predictive, Prescriptive)
- Role of a Data Analyst
- Data Lifecycle
- Basics of Statistics
 - Mean, Median, Mode
 - Standard Deviation
 - Correlation

Module 2: Advanced Excel for Data Analysis

Using Microsoft Excel

- Data Cleaning Techniques
- Conditional Formatting
- Pivot Tables & Pivot Charts
- Advanced Formulas (IF, VLOOKUP, INDEX-MATCH)
- What-If Analysis
- Dashboard Creation

Project:

- Sales Dashboard
- MIS Report

Module 3: SQL for Data Analysis

Using MySQL

- Introduction to Databases
- SELECT Statement
- WHERE, GROUP BY, HAVING
- JOIN (Inner, Left, Right)
- Subqueries
- Aggregate Functions

- Data Filtering & Sorting

Project:

- E-commerce Database Analysis

Module 4: Python for Data Analysis

Using:

- Python
- Jupyter Notebook

Topics:

- Python Basics
- NumPy
- Pandas
- Data Cleaning
- Data Manipulation
- Exploratory Data Analysis (EDA)

Module 5: Data Visualization

Using:

- Power BI
- Tableau

Topics:

- Connecting Data Sources
- Data Modeling
- DAX Basics (Power BI)
- Creating Dashboards
- KPIs
- Interactive Reports

Project:

- HR Dashboard
- Sales & Profit Analysis

Module 6: Statistics for Data Analysts

- Probability Basics
- Hypothesis Testing
- Regression Basics
- A/B Testing

Module 7: Real-World Projects

- Netflix Data Analysis
- Retail Store Sales Analysis
- Customer Segmentation
- Financial Report Analysis

Course Duration

- 4 Months (Excel + SQL + Power BI)
- 6 Months (With Python + Projects)
- 8 Months (Advanced + Internship + Portfolio)

Portfolio Requirements

Students should complete:

- 3 Excel Dashboards
- 2 SQL Projects
- 2 Power BI / Tableau Dashboards
- 1 Python EDA Project
- GitHub Portfolio

Career Opportunities

- Data Analyst
- Business Intelligence Analyst
- MIS Executive

- Reporting Analyst
- Junior Data Scientist
- Operations Analyst



App Development Course Syllabus



Module 1: Introduction to App Development

- What is Mobile App Development?
- Types of Apps (Native / Hybrid / Web Apps)
- UI vs UX Basics
- App Development Lifecycle

Cross-Platform App Development



Using React Native

Using:

- React Native
- JavaScript

Topics:

- Components & Styling
- Navigation
- API Integration
- State Management
- Firebase Integration
- App Deployment



Using Flutter

Using:

- Flutter
- Dart

Topics:

- Widgets

- Layout Design
- Navigation
- State Management
- API Integration
- Firebase
- Animations

Project:

- Food Delivery App
- Booking App
- Social Media App

Module 5: Backend for Apps

- Introduction to APIs
- REST API Creation
- Authentication (JWT)
- Database Integration

Using:

- **Node.js**
- **MongoDB**

Module 6: App Publishing

- Build APK / AAB
- Testing
- App Signing
- Play Store Publishing Process
- App Optimization (ASO Basics)

Using:

- **Google Play Console**

Real Projects

- E-commerce Mobile App

- Online Course App
- Chat Application
- Expense Tracker App

Course Duration

- 4 Months (Single Platform)
- 6 Months (Frontend + Backend)
- 8 Months (Advanced + Internship + Live Project)

Career Opportunities

- Android Developer
- Flutter Developer
- React Native Developer
- Mobile App Developer
- App UI Developer
- Freelance App Developer