

INTERVIEW READINESS PROGRAM FOR FRESHERS

COURSE DURATION: 4 WEEKS | MODE: ONLINE /
OFFLINE / HYBRID | FORMAT: LIVE + PRACTICE +
MOCK INTERVIEWS



Week 1: Getting Started - Know Yourself & the Job Market

Module 1: Introduction to Job Interviews- What are interviews and why do they matter?- Types of interviews for freshers: HR Round, Technical Round, Aptitude/GD

Module 2: Career Goals & Self-Discovery- Identify your strengths, interests, and career fit- How to create a Personal Value Proposition- How to read and understand job descriptions (JD)

Week 2: Build Your First Impression - Resume, LinkedIn & Pitch

Module 3: Resume Building for Freshers- Basic resume structure (with no/few job experiences)- Highlighting academics, projects, internships, certifications- Customizing resume for different roles

Module 4: LinkedIn & Personal Branding- How to create a strong LinkedIn profile- Online portfolios and professional presence
Module 5: Elevator Pitch & Self-Introduction- Crafting your 30-second pitch- Practice: "Tell Me About Yourself" for freshers

Week 3: Practice Core Interview Rounds Interview Readiness Program for Freshers

Module 6: Technical / Role-Specific Interviews (based on stream)- Engineering/IT: DSA basics, OOPs, DBMS- Commerce: Excel basics, case questions, internships- Arts: Communication, writing, and soft skills

Module 7: HR Interview Questions for Freshers- Common questions and how to answer them with confidence

Week 4: Communication, Aptitude & Final Practice

Module 8: Basic Aptitude & GD (Optional)- Quantitative & Logical Reasoning- Group Discussion practice

Module 9: Communication & Confidence Building- Body language, tone, and articulation

Module 10: Final Mock Interviews- One technical + one HR mock with feedback- Resume and LinkedIn final review Bonus Sessions- Dressing & grooming for interviews- Online interview etiquette- Internship vs. full-time strategy- Job search and networking for freshers Final Deliverables Interview Readiness Program for Freshers- Final Resume (reviewed)- LinkedIn Profile (optimized)- STAR Interview Question Bank- Course Completion Certificate- Mock Interview Scoresheet & Feedback



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DCA - 6 MONTHS

FUNDAMENTAL OF COMPUTER

MS OFFICE

ADVANCE EXCEL/GOOGLE SHEET

TALLY PRIME

WEB DESIGNING

PHOTOSHOP



ADCA - 1 YEARS

MS OFFICE

ADVANCE EXCEL

C/C++/PHYTHON

WEB DESIGNING

CLOUD COMPUTING /JANGO

MY SQL / POWER BI

TABLEAU

JQUARY

AI TOOLS

PHOTOSHOP

E ACCOUNTING - 4 MONTHS

MS OFFICE

GOOGLE SHEET

ADVANCE EXCEL

BASIC TALLY TO ADVANCE TALLY PRIME

GST / TAXATION

TALLY ERP.9

GRAPHIC DESIGNING - 4 MONTHS

ADOBE PHOTOSHOP

CORELDARW

ADOBE ILLUSTRATOR

INDESIGN

CANVA



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DATA ANALYST COURSE 6 -MONTHS



BASIC TO ADVANCE EXCEL
STRUCTURED QUERY LANGUAGES (SQL)

POWER BI

PYTHON / TABLEAU

MACROS/Google Sheet

PROJECT WORK

MASTER IN PROGRAMMING LANGUAGES 8 MONTHS

C

Procedural, Low-Level Memory, System Programming

C++

OOP, STL, Performance Optimization

Python

Scripting, OOP, Libraries, Automation, Data

Java

OOP, Collections, JVM, Multithreading

JavaScript

Web, DOM, Async, ES6+, Frontend Scripting

SQL

Querying, Joins, Stored Procedures, Data Management

Optional (Rust/Go/Kotlin)

Systems, Web Backends, Mobile

MIS DIPLOMA 4-MONTHS

BASIC FUNDAMENTAL

MS OFFICE-MS WORD, MS EXCEL,

MS POWERPOINT,CANVA

ADVANCE EXCEL

TALLY PRIME

GOOGLE SHEET

MACROS

SQL



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Data Structures & Algorithms

4 MONTHS



Basics of DSA-Arrays, Strings, Time Complexity

Linear Data Structures

Stacks, Queues, Linked Lists

Non-Linear Data Structures,

Trees, Graphs, Heaps, Tries

Algorithms

Sorting, Searching, Recursion, Greedy, DP,
Backtracking,

Advanced Concepts & Problems-

Segment Tree, Trie, Graph Algorithms, Interview Prep

DevOps (Development + Operations)

4 MONTHS

DevOps Basics + Linux + Git

CI/CD Tools (Jenkins, GitHub Actions)

Configuration Management (Ansible)

Containers (Docker)

Orchestration (Kubernetes)

Cloud & Monitoring

Final Projects + Interview Prep

WEB DESIGNING- 6 MONTHS

Introduction to Web Design & Internet Basics

Structure of Web Pages

Styling & Layout

Responsive Design with Media Queries & Frameworks

JavaScript Basics (Interactivity)

Bootstrap & UI Frameworks

Web Design Tools (Figma/Canva + Photoshop Basics)

Hosting, Domains & Deployment

Portfolio Project + Resume Website



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Web Development WITH FULL STACK Development Using Mern Stack - 6 MONTHS



Introduction to Web Development,
React.js ,
JavaScript (ES6+), JavaScript
(ES6+), Styling in React,
Node.js Basics, Node.js
Basics, MongoDB & Mongoose,
API Development, API Development*

DIGITAL MARKETING -4 MONTHS



Introduction to Digital Marketing
Website Planning & Development
Search Engine Optimization (SEO)
Search Engine Marketing (SEM) / Google Ads
Social Media Marketing (SMM)
Content Marketing
Email Marketing
Mobile Marketing
Affiliate Marketing
Google Analytics & Digital Tools
Online Reputation Management (ORM)
E-commerce Marketing
Freelancing & Career in Digital Marketing
Project

CYBER SECURITY ETHICAL HACKING 1 YEARS



Introduction Cybersecurity basics
Networking
TCP/IP, protocols, packet analysis
Linux & Windows
OS basics, scripting, admin tools
Ethical Hacking,
Core hacking phases
Footprinting & Scanning
Nmap, reconnaissance, vulnerabilities
Web & Wireless Hacking
Web apps, Wi-Fi attacks
Cryptography
Encryption, hashing, digital certs
Pen Testing Tools & Reporting
Metasploit, SIEM, reporting
Advanced (optional)
Red teaming, cloud, mobile, OSCP prep
Varies



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AI- Artificial Intelligence 2 MONTHS



Introduction to Artificial
Intelligence, Basics of
Python for
AI, Mathematics for AI,
Data Handling and
Preprocessing, Machine
Learning
Fundamentals, Deep
Learning, AI in Computer
Vision, Project

ROBOTICS

Introduction to
Robotics, Basics of
Electronics and
Sensors, Mechanical
Design and Actuators,
Microcontrollers &
Programming, Autonomo
us Robots, Project &
Integration

CAD - 1 YEARS ALL SOFTWARE

AutoCAD 2D/3D
AutoCAD Civil 3D
AutoCAD Mechanical
AutoCAD Electrical
Revit (Arch/MEP)
3ds Max + V-Ray
SolidWorks
CATIA
Creo / ProE
Fusion 360



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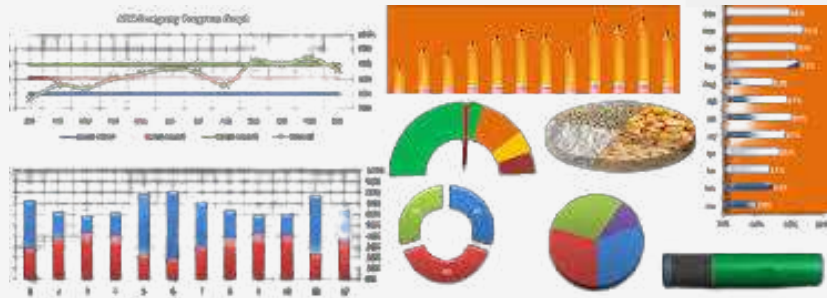
ADVANCE EXCEL

2 MONTHS



Introduction to Excel

- Excel Interface Overview
- Ribbon, Toolbars, and Key Shortcuts
- Customizing the Excel Interface
- Basic Excel Operations
- Creating, Saving, and Navigating Workbooks
- Understanding Cells, Rows, Columns, and Ranges
- Arithmetic and Logical Operations
- SUM, AVERAGE, MIN, MAX
- IF, AND, OR, NOT
- Text Functions
- CONCATENATE, TEXTJOIN, TRIM, LEN
- FIND, REPLACE, UPPER, LOWER
- Data Entry Techniques
- AutoFill, Flash Fill
- Data Validation and Dropdown Lists
- Formatting Techniques
- Number Formatting, Custom Formats
- Conditional Formatting Basics
- Managing Worksheets
- Adding, Deleting, and Moving Sheets
- Grouping and Linking Worksheets
- Introduction to Sorting and Filtering
- Custom Sorts, Advanced Filters
- Using Subtotals
- Basic Charts
- Creating and Customizing Charts
- Using Sparklines for Data Visualization
- Lookup & Reference Functions
- VLOOKUP, HLOOKUP, XLOOKUP
- INDEX and MATCH
- Date & Time Functions
- TODAY, NOW, DATEDIF
- NETWORKDAYS, WORKDAY
- New Excel Formulas in MS Office 2024
- TEXTSPLIT: Splitting text strings into arrays.
- TEXTBEFORE and TEXTAFTER: Extracting text based on delimiters.
- LAMBDA: Creating custom functions.
 - LET: Storing intermediate calculations and values.
 - ARRAYTOTEXT: Converting an array to text format.
- Advanced Sorting and Filtering
- Sorting by Custom Lists
- Using Multiple Criteria in Filters



Advanced
Excel



ADVANCE EXCEL



B

- Data Cleaning Techniques
- Removing Duplicates
- Text to Columns for Data Parsing
- Using Flash Fill for Data Cleaning
- Introduction to Pivot Tables
- Creating and Modifying Pivot Tables
- Grouping and Filtering Data in Pivot Tables
- Advanced Pivot Table Techniques
- Calculated Fields and Items
- Slicers and Timelines
- Pivot Charts
- Creating and Customizing Pivot Charts
- Using Pivot Charts for Dynamic Reporting
- Advanced Conditional Formatting
- Using Formulas in Conditional Formatting
- Icon Sets, Data Bars, and Color Scales
- Data Validation Techniques
- Custom Data Validation Rules
- Error Messages and Input Messages



Power Query Basics

- Introduction to Power Query
- Data Import from Various Sources
- Basic Data Transformation (Merge, Append)
- Cleaning Data with Power Query
- Advanced Data Manipulation
- Unpivoting Data
- Creating Custom Columns and Conditional Columns
- Advanced Charting Techniques
- Waterfall, Funnel, and Radar Charts
- Combo Charts with Secondary Axes
- Interactive Dashboards
- Creating Interactive Elements (Slicers, Buttons)
- Linking Charts and Tables in Dashboards
- Dynamic Charting
- Using Named Ranges and OFFSET for Dynamic Charts
- Introduction to Power Pivot
- Creating Data Models
- Understanding Relationships and Hierarchies
- Advanced Power Pivot
- Calculated Columns and Measures
- Using DAX Functions for Data Analysis
- Sharing and Protecting Workbooks
- Workbook Protection Techniques
- Tracking Changes and Managing Comments
- Co-Authoring and Real-Time Collaboration
- Using Excel Online for Collaboration
- Version History and Restore
- Integrating Excel with Other Microsoft Tools
- Importing and Exporting Data (Access, SQL, PowerPoint)
- Interview Questions Preparation



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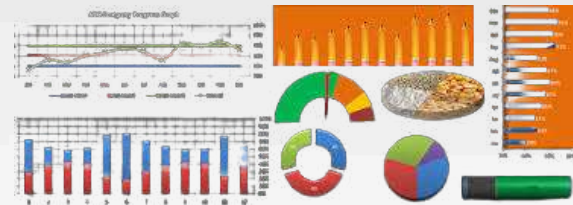
ADVANCE EXCEL WITH AI 2 MONTHS

ADVANCED FORMULAS & FUNCTIONS

- Nested IFs, IFS, SWITCH
- INDEX, MATCH, XLOOKUP
- TEXT, DATE, and TIME functions
- INDIRECT, OFFSET, and dynamic named ranges

DATA ANALYSIS TOOLS

- PivotTables and PivotCharts (advanced options)
- Power Query (Get & Transform Data)
- Power Pivot and Data Model
- What-If Analysis (Scenario Manager, Goal Seek, Data Tables)



EXCEL DASHBOARD DESIGN

- Interactive dashboards with slicers & timelines
- Conditional formatting with formulas
- Sparklines, form controls, and dynamic charts

AUTOMATION & SCRIPTING

Macros & VBA Essentials

- Recording and editing macros
- Writing VBA functions and subroutines
- Automating reports and repetitive tasks



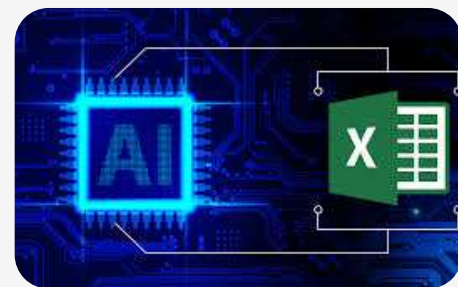
OFFICE SCRIPTS (EXCEL FOR WEB)

- Writing scripts in TypeScript
- Automating Excel in the cloud with Power Automate

INTEGRATING AI IN EXCEL

EXCEL'S BUILT-IN AI FEATURES

- Ideas (Excel Analyze Data)
- Stock and Geography data types
- Smart lookup and image-to-table (Data from Picture)



AI with Power BI Integration

- Creating AI visuals in Power BI (Key Influencers, Decomposition Tree)
- Connecting Excel data to Power BI
- Exporting and analyzing Power BI datasets in Excel

Using Copilot in Excel (for Microsoft 365)

- Generating formulas and summaries using Copilot
- Natural language queries and insights
- Enhancing data storytelling with AI suggestions



Machine Learning 3 months Course



Introduction to Machine Learning

- What is Machine Learning? Types and use cases
- Setting up Python environment (Anaconda, Jupyter Notebook)
- Overview of data science and ML workflow

Data Preprocessing & Feature Engineering

- Handling missing data and outliers
- Data scaling and normalization
- Encoding categorical variables
- Feature selection and dimensionality reduction basics

Supervised Learning Algorithms

- Linear Regression (simple and multiple)
- Logistic Regression for classification
- Decision Trees and Random Forests
- Support Vector Machines (SVM)
- K-Nearest Neighbors (KNN)

Unsupervised Learning Algorithms

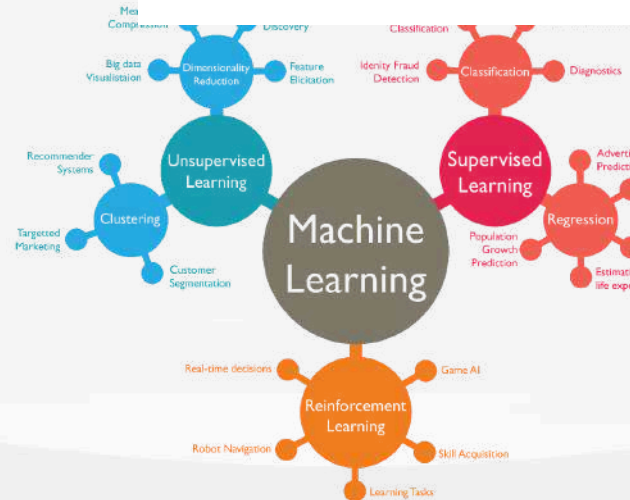
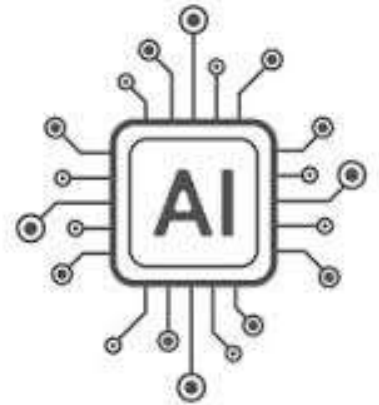
- Clustering with K-Means and Hierarchical Clustering
- Principal Component Analysis (PCA) for dimensionality reduction

Model Evaluation & Tuning

- Train-test split and cross-validation
- Performance metrics: accuracy, precision, recall, F1 score, ROC-AUC
- Hyperparameter tuning with Grid Search and Random Search



**MACHINE
LEARNING**



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BASIC TO ADVNACE TALLY PRIME - 3 MONTHS



A

OVERVIEW & FOUNDATIONS

Objective: Understand the fundamentals of accounting and TallyPrime interface.

- Introduction to TallyPrime
- Installing and activating Tally
- Creating, altering, deleting companies
- Gateway of Tally and features
- Basic accounting terms: Assets, Liabilities, Expenses, Income
- Creating ledgers and groups
- Voucher entry basics: Payment, Receipt, Journal, Contra

ACCOUNTING VOUCHERS & REPORTS

Objective: Learn day-to-day accounting transactions.

- Sales & Purchase Vouchers
- Debit Note and Credit Note
- Ledger creation with GST settings
- Voucher Class concept
- Bill-wise details
- Printing vouchers and invoices
- Day Book and Trial Balance

INVENTORY MANAGEMENT

Objective: Manage stock and inventory effectively.

- Inventory Masters: Stock Group, Stock Item, Units
- Godowns/Location Management
- Inventory vouchers: Delivery Note, Receipt Note, Rejection In/Out
- Stock Journal entries
- Inventory reports: Stock Summary, Movement Analysis

GST (GOODS AND SERVICES TAX)

Objective: Learn complete GST setup and compliance in Tally.

- Enabling GST in Tally
- Creating GST ledgers and configuring tax rates
- GST on Sales and Purchase vouchers
- GST Returns (GSTR-1, GSTR-3B)
- HSN/SAC Code setup
- GST reports





B

BANKING & RECONCILIATION

Objective: Manage real-time banking transactions in Tally.

- Cheque Book Management
- Bank Reconciliation Statement (BRS)
- Cheque Printing Configuration
- Deposit Slip and Payment Advice
- Auto Reconciliation using bank statements

ADVANCED ACCOUNTING & INVENTORY

Objective: Deep dive into budgeting, cost centers, and price control.

- Cost Centers and Cost Categories
- Budgets and Controls
- Credit Limits
- Price Levels and Price Lists
- Batch-wise and Expiry-based Inventory
- Multiple Stock Valuation Methods



PAYROLL, TDS & MIS REPORTS

Objective: Learn statutory features and advanced reporting.

- Payroll configuration
- Creating employee records
- Defining salary structures
- Payslip generation and reports
- TDS configuration and deduction
- TDS reports and returns
- MIS Reports: Cash Flow, Fund Flow, Ratio Analysis



SECURITY, DATA MANAGEMENT & FINAL REVIEW

Objective: Secure and manage data; course revision.

- User Roles and Security Levels
- Tally Vault and Audit Trail
- Backup and Restore
- Split Company Data
- Exporting, Emailing, and Printing Reports
- Remote Access and Tally.NET basics
- Final Assessment & Practice Exercises

ADDITIONAL LEARNING MATERIALS

- Practical Test (Weekly)
- Interview Questions & Resume Tips
- GST Filing Walkthrough
- Excel to Tally import basics (optional)

**Claim the right ITC.
On time, every time.**

Act on supplier invoices instantly - Accept or Reject to avoid ITC loss.



BASIC COMPUTER 2 MONTHS



A

Operating System Basics

- Desktop Environment:
- Understanding the Start Menu and Taskbar.
- Navigating system folders: Documents, Downloads, and Pictures.
- File Management:
- Creating, Renaming, and Deleting
- Files/Folders.
- Understanding File Extensions and Types.
- OS APPLICATIONS
- ms paint
- wordpad
- ms-word

Microsoft Word

- Home Tab:
- Font Formatting: Bold, Italic, Underline, Font Size, and Color.
- Paragraph Formatting: Alignment, Line Spacing, Indentation, Bullets, and Numbering.
- Styles: Applying and Modifying
- Styles.
- Insert Tab:
- Inserting Tables, Pictures, Shapes, and SmartArt.
- Adding Headers, Footers, and Page Numbers.
- Creating and Formatting Tables.
- Design Tab:
- Document Themes and Styles.
- Page Backgrounds: Colors, Watermarks, and Borders.
- Layout Tab:
- Setting Margins, Orientation, and Size.
- Paragraph Spacing and Indentation.
- Column Layouts and Page Breaks.
- References Tab:
- Inserting Table of Contents, Footnotes, and Endnotes.
- Adding Citations, Bibliography, and Captions.
- Managing Sources and Cross-References.
- Mailings Tab:
- Creating Mail Merge Documents for Letters, Labels, and Envelopes.
- Setting Up Recipients and Merging Fields.
- Previewing and Completing the Mail Merge.
- Review Tab:
- Spelling & Grammar Check.
- Using Thesaurus and Word Count.
- Track Changes, Comments, and Comparing Documents
- View Tab:
- Document Views: Read Mode, Print Layout, and Web Layout.
- Show/Hide Ruler, Gridlines, and Navigation Pane.
- Managing Windows: Split, Arrange, and Switch Resume Format in MS WORD



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BASIC COMPUTER



Microsoft Excel

- Introduction to Excel:
- Understanding the Excel Interface: Ribbon, Workbook, Worksheets.
- Basic Data Entry: Numbers, Text, Dates.
- Formats of Cells:
- Formatting Cells: Font, Alignment, Number, Border, Fill, and Protection.
- Conditional Formatting: Applying Rules, Using Data Bars, Color Scales, and Icon Sets.
- Working with Cells:
- Inserting, Deleting, Merging, and Splitting Cells.
- Protection of Excel Data: Locking Cells, Protecting Worksheets, and Workbooks.
- Working with Charts:
- Creating and Customizing Charts: Column, Line, Pie, Bar.
- Formatting Chart Elements: Titles, Legends, Axes, Data Labels.
- Formulas and Functions:
- Basic Arithmetic: SUM, SUBTRACTION, MULTIPLICATION, DIVISION.
- AVERAGE Formula, RANK Function.
- Conditional Functions: IF, COUNTIF, SUMIF.
- Advanced Conditional Functions: COUNTIFS, SUMIFS with Multiple Conditions.
- Lookup Functions: VLOOKUP, HLOOKUP, LOOKUP.
- Fixing Formulas: Absolute and Relative References.
- Financial Functions: PMT (Per Month Installment Calculation), Simple Interest Calculation.
- Running Total: Creating a Cumulative Sum.
- Text Functions: CONCATENATE, LEFT, RIGHT, MID, UPPER, LOWER, PROPER.
- Rounding Functions: ROUND, ROUNDUP, ROUNDDOWN.
- Worksheets:
- Managing Worksheets: Inserting, Deleting, Renaming, Moving, and Copying.
- Formatting Worksheets: Headers, Footers, Page Setup, and Printing.
- Practical Applications:
- Mark Sheet Creation: Using Formulas to Calculate Totals, Averages, and Grades.
- Payroll Sheet Creation: Managing Salaries, Taxes, and Deductions.
- Bills Creation with GST: Designing and Calculating Tax in Excel.
- Attendance Sheet Format: Tracking and Analyzing Attendance Data.



Microsoft Powerpoint

- Creating Presentations:
- Selecting Themes and Layouts.
- Inserting and Formatting Text, Images, and Shapes.
- Adding and Arranging Slides.
- Design and Formatting:
- Using Slide Master for Consistent Design.
- Applying Transitions and Animations.
- Customizing Slide Backgrounds and Themes.
- Multimedia and Interactivity:
- Embedding Videos and Audio.
- Creating Hyperlinks and Action Buttons.
- Designing Interactive Presentations.
- Software Installation
- Mailing
- Final Project:
- Comprehensive Project Combining Word, Excel, and PowerPoint.
- Creating Creative Templates and Resume Format in MS WORD

What is PowerPoint?



AUTOCAD 2 MONTHS



2D Drafting

- **Basic Drawing Tools:** Lines, circles, rectangles, arcs, polylines, etc.
- **Object Snaps and Precision Drawing:** Using object snaps and drawing aids to achieve precise designs
- **Object Editing:** Trim, extend, fillet, chamfer, and other editing commands
- **Layers and Layer Management:** Organizing drawings using layers for clarity and efficiency
- **Blocks and Dynamic Blocks:** Creating and inserting reusable blocks and dynamic blocks
- **Hatching and Fill Patterns:** Adding hatch patterns to areas within drawings
- **Text and Dimensions:** Adding text, dimensions, and leaders to drawings
- **Layouts and Viewports:** Creating layouts for printing and managing viewports
- **Plotting and Printing:** Configuring plot settings and printing drawings



3D Drafting

- **Introduction to 3D:** Understanding the basics of 3D space and the User Coordinate System (UCS)
- **3D Drawing Tools:** Creating 3D solids, surfaces, and meshes
- **3D Editing:** Modifying 3D objects in 3D space
- **3D Viewing and Visualization:** Rotating, zooming, and panning in 3D space
- **Rendering and Animation:** Creating realistic renderings and animations of 3D models
- **Creating 2D Drawings from 3D Models:** Generating 2D layouts and sections from 3D models
- **Advanced 3D Topics:** Working with complex solids, surfaces, and meshes, and advanced rendering techniques



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ADOBE PHOTOSHOP 1 MONTHS



- **Photoshop Interface:** Navigating the workspace, understanding panels, and customizing settings.
- **Basic Tools:** Learning and utilizing tools for selection, cropping, painting, and editing.
- **Selecatons:** Making and using selections for isolating edits.
- **Layers:** Understanding and manipulating layers for non-destructive editing.
- **File Management:** Organizing and managing files in Photoshop and Adobe Bridge.
- **Saving and Exporting:** Understanding different file formats and settings for web and print.



Image Editing and Retouching:

- **Color Correction:** Adjusting colors, brightness, contrast, and other image parameters.
- **Retouching:** Repairing imperfections, removing blemishes, and smoothing skin.
- **Content-Aware Fill:** Removing unwanted objects and filling in missing areas.
- **Painting and Drawing:** Utilizing brushes, pencils, and other painting tools.
- **Masking:** Using masks for non-destructive edits and compositing.
-



Design and Graphics:

- **Design Principles:** Understanding color theory, typography, and composition.
- **Vector Graphics:** Creating and manipulating vector shapes and paths.
- **Compositing:** Combining images and graphics to create new compositions.
- **Typography:** Working with text, fonts, and typography styles.
- **Apparel Design:** Creating mockups and designs for apparel.
- **Social Media Graphics:** Designing graphics for social media platforms.
- **Web Design:** Creating mockups and designs for websites.
-



Advanced Techniques:

- **Adjustment Layers:** Non-destructive adjustments and color corrections.
- **Smart Objects:** Using smart objects for non-destructive transformations and scaling.
- **Camera Raw:** Understanding and utilizing Camera Raw for image processing.
- **Filters:** Applying and customizing filters for various effects.
- **Layer Styles:** Adding styles and effects to layers.



ADOBE INDESIGN 1 MONTHS



I. Foundational Skills:

- **InDesign Interface and Workspace:** Learning to navigate the interface, customize workspaces, and utilize tools and panels.
- **Document Setup:** Creating new documents, understanding page sizes, margins, bleeds, and guides.
- **Text and Typography:** Working with text frames, applying paragraph and character styles, and understanding typographic principles like kerning and leading.
- **Graphics and Images:** Importing, resizing, and manipulating images, as well as text wrapping and using graphics.
- **Color:** Applying colors, swatches, and gradients, and understanding color modes.
- **Objects and Shapes:** Creating and modifying shapes, applying fills, strokes, and effects.
- **Layers:** Understanding and using layers to organize elements on a page.
- **Master Pages:** Creating and applying master pages for consistency in layouts.

II. Advanced Techniques:

- **Styles:** Creating and applying paragraph, character, and object styles for consistency and efficient editing.
- **Tables:** Creating, formatting, and styling tables, including importing data from external sources.
- **Preflighting and Packaging:** Checking for errors, preparing documents for print, and packaging files for delivery.
- **Exporting for Print and Digital:** Creating print-ready PDFs, interactive PDFs, and ePubs.
- **Digital Publishing:** Creating interactive documents with hyperlinks, buttons, and animations.
- **Advanced Typography:** Exploring advanced typesetting techniques like drop caps, baseline grids, and type on a path.
- **Color Management:** Understanding and using color swatches, gradients, and color modes.
- **Anchored Objects:** Using anchored objects to keep images and text together.
- **Data Merge:** Publishing variable data using DataMerge.

III. Beyond the Basics:

- **Working with Long Documents:** Techniques for managing complex layouts and longer publications.
- **InCopy and InDesign:** Understanding when to use InCopy for collaboration and InDesign for final layout.
- **Templates:** Creating and using templates for consistent layouts



ADOBE ILLUSTRATOR 1 MONTHS



- **Interface and Workspace:** Navigating the Illustrator interface, customizing workspaces, understanding tools and panels.
- **Drawing Tools:** Mastering the Pen tool, Shape tools, and other drawing tools.
- **Shapes and Objects:** Creating, manipulating, and combining shapes, using the Transform panel.
- **Color and Appearance:** Applying colors, fills, strokes, and effects, using the Appearance panel, Live Paint, and swatches.
- **Paths and Anchor Points:** Understanding paths, anchor points, and how to edit them using the Direct Selection tool.
- **Typography:** Adding and formatting text, using character and paragraph styles, and putting text on a path.
- **Layers:** Working with layers, creating, organizing, and manipulating them.
- **Patterns and Gradients:** Creating and using patterns, and applying gradients.

Advanced Topics:

- **Image Trace:** Converting raster images to vector graphics.
- **Brushes:** Using brushes to create unique effects.
- **3D Effects:** Applying 3D effects to shapes and objects.
- **Special Effects:** Using Illustrator's tools to create special effects like shadows and perspective drawing.
- **Workflow Optimization:** Learning efficient design workflows and shortcuts.
- **Saving and Exporting:** Preparing files for print, web, and other formats.



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MSME
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ELEVON
ACADEMY

CORELDRAW 1 MONTHS



CORELDRAW

- **Introduction to CorelDRAW:**

- This includes the software interface, navigating menus and toolbars, and setting up the workspace.

- **Basic Drawing Tools:**

- Learning to draw basic shapes (rectangles, ellipses, etc.), using the freehand and Bezier tools, and working with curves and lines.

- **Object Manipulation:**

- Selecting, manipulating, grouping, and ungrouping objects, as well as aligning and distributing them.

- **Understanding Vector Graphics:**

- Learning the principles of vector graphics and how they differ from bitmaps.

- **Working with Layers:**

- Understanding and managing layers, including layer properties and layer effects.

Advanced CorelDRAW Techniques:

- **Advanced Drawing:**

- Creating complex shapes, using the Envelope tool, Blend tool, and Extrude tool.

- **Text and Typography:**

- Adding and formatting text, using artistic and paragraph text, applying text effects, and managing fonts.

- **Color, Fills, and Outlines:**

- Applying color fills and outlines, using gradients and patterns, and working with the color palette.

- **Bitmaps and Vector Effects:**

- Importing and working with bitmaps, applying bitmap effects, and converting bitmaps to vectors.

- **Special Effects:**

- Exploring various special effects like drop shadows, blending, and transparency.

Specific Applications of CorelDRAW:

- **Logo Design:** Creating logos using CorelDRAW's tools and techniques.
- **Vector Illustration:** Creating vector illustrations for various purposes.
- **Web Graphics:** Preparing and optimizing graphics for web use.
- **Print Design:** Designing for print media, including brochures, posters, and business cards.
- **T-Shirt Design:** Designing and preparing artwork for t-shirt printing.
- **Jewellery Design:** Creating 2D designs for jewellery.

Additional Topics:

- **File Formats:** Understanding different file formats and exporting designs in appropriate formats.
- **Templates and Styles:** Utilizing pre-designed templates and applying styles for consistency.
- **Custom Creation Tools:** Creating custom patterns and symbols.
- **Corel Trace:** Using CorelDRAW's PowerTRACE tool to convert bitmaps to vectors.
- **Corel Photo-Paint:** Working with images and photo editing within the CorelDRAW suite.
- **Customizing and Automating:** Learning to customize the CorelDRAW interface and use automation features.
- **Job Assistance and Portfolio Development:** The Knowledge Academy and other training providers may offer job assistance and portfolio development guidance.



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MASTER IN C/C++/PYTHON 8 MONTHS



Programming and Software Development

- **Language Fundamentals:** Covering basic syntax, data structures, algorithms, and object-oriented programming principles for languages like Java, Python, C#, or JavaScript.
- **Advanced Programming Concepts:** Exploring topics like generics, lambda expressions, functional programming, multithreading, and concurrency.
- **Frameworks and Technologies:** Mastering specific frameworks and tools, such as Spring, React, Angular, or microservices architectures.
- **DevOps:** Learning about DevOps processes, version management (Git), CI/CD pipelines (Jenkins, Maven), infrastructure management (Ansible), containerization (Docker), orchestration (Kubernetes), and monitoring tools (Prometheus, Grafana).
- **Cloud Computing:** Introduction to cloud platforms like Amazon Web Services (AWS).
- **Database Management:** Working with relational databases (SQL) and NoSQL databases.
- **Testing and Quality Assurance:** Understanding testing methodologies and tools.



function start()

```
var today = new Date();
var h = today.getHours();
var m = today.getMinutes();
var s = today.getSeconds();
m = correctZero(m);
s = correctZero(s);
document.getElementById(
    //calling the function ev
    var t = setTimeout(start,
```



Leadership and Management

- **Leadership Principles:** Exploring different leadership styles, motivation techniques, and influence strategies.
- **Communication and Presentation Skills:** Developing effective communication, active listening, and presentation skills.
- **Conflict Management:** Learning to resolve conflicts constructively and foster a positive work environment.
- **Team Building:** Understanding team dynamics, roles, and collaboration strategies.
- **Project Management:** Mastering project planning, execution, and monitoring techniques.
- **Change Management:** Preparing for and managing organizational change effectively



DATA ANALYST COURSE 6 MONTHS



ADVANCED EXCEL

- Excel Interface & Power Shortcuts
- Data Cleaning Techniques (Remove Duplicates, Text to Columns, Flash Fill)
- Logical, Date-Time, Text & Lookup Functions (VLOOKUP, XLOOKUP, INDEX-MATCH)
- Pivot Tables & Pivot Charts
- Conditional Formatting, Data Validation & Drop-downs
- Charts, Graphs & Dashboard Designing
- Power Query & Power Pivot
- Real-World Projects (Sales Report, HR Dashboard, MIS Reports)

MYSQL – MASTERING DATABASES

- Introduction to Relational Databases
- CRUD Operations (Create, Read, Update, Delete)
- Filtering, Sorting, Joins (INNER, LEFT, RIGHT, FULL)
- Subqueries, Nested Queries & Aggregate Functions
- GROUP BY, HAVING, UNION
- Real-Life Projects (Sales Analysis, Inventory Database, Customer Segmentation)

PYTHON

- Python Basics & Syntax
- Data Types, Functions, Loops & Conditional Logic
- File Handling & Exception Handling
- NumPy & Pandas for Data Analysis
- Data Cleaning, Transformation & Exploration with Pandas
- Data Visualization using Matplotlib & Seaborn
- Hands-on Projects (Customer Data Analysis, Excel to Insights Automation)

POWER BI – BUSINESS INTELLIGENCE & DASHBOARDS

- Power BI Interface & Data Loading
- Power Query Editor & Data Transformation
- Building Interactive Dashboards
- DAX Formulas – Basics to Advanced
- KPI, Slicers, Filters, and Drill-through Pages
- Publishing Reports to Power BI Cloud Service
- Projects: Sales Performance Dashboard, HR Analytics, Market Trend Report

TABLEAU

- Tableau Interface: Sheets, Dashboards, Stories
- Connecting to Excel, CSV, Databases
- Dimensions & Measures
- Filters, Parameters, Calculated Fields
- Charts: Line, Bar, Pie, TreeMap, Gantt
- Maps & Geospatial Data
- LOD Expressions (FIXED, INCLUDE, EXCLUDE)
- Dashboard Interactivity: Filters, URL Actions
- Publishing on Tableau Public

GOOGLE SHEETS

- Functions: QUERY, IMPORTRANGE, ARRAYFORMULA, FILTER, SPLIT, TRANSPOSE
- Conditional Formatting & Data Validation
- Pivot Tables & Charts
- Collaboration Tools: Comments, Protected Ranges
- Google App Scripts (Basics for automation)
- Data Connection with Google Forms & Google Data Studio

Project & Portfolio Building

- End-to-End Data Analysis Project
- Resume & LinkedIn Optimization
- GitHub Project Hosting
- Mock Interviews & Job Readiness Training



**Power BI
Desktop**

Power BI

**SQL Projects
Data Analysis**



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ACADEMY**

SQL - 1 MONTH



Introduction to Databases and SQL

- What is a database?
- Types of databases (Relational vs NoSQL)
- Introduction to RDBMS (MySQL, PostgreSQL, SQL Server, etc.)
- SQL vs NoSQL
- Installing SQL tools (MySQL Workbench, SQLite, pgAdmin)



Basic SQL Commands

- CREATE, DROP, ALTER (DDL)
- INSERT, UPDATE, DELETE (DML)
- SELECT queries
- Filtering with WHERE, AND, OR, IN, BETWEEN, LIKE
- Sorting results with ORDER BY
- Limiting rows with LIMIT

Functions and Operators

- Arithmetic and comparison operators
- String functions (CONCAT, LENGTH, UPPER, LOWER)
- Date functions (NOW(), DATEDIFF(), DATE_FORMAT())
- Aggregate functions (SUM, AVG, MIN, MAX, COUNT)

Joins and Subqueries

- Types of joins: INNER, LEFT, RIGHT, FULL OUTER
- Joining multiple tables
- Subqueries in SELECT, FROM, WHERE
- Aliases and nested queries

Grouping and Aggregation

- GROUP BY and HAVING
- Aggregating data with multiple columns
- Filtering aggregated data
- Difference between WHERE and HAVING

Project and Practice

- Designing a database (ERD)
- Creating tables and populating data
- Writing complex queries
- Library Management, E-commerce DB

```
53 USE DatabaseName;
54 GO
55
56 CREATE PROCEDURE ProcedureName
57     @FirstName type,
58     @LastName type....
59 AS
60
61     //Your SQL query here
62     Select FirstName, LastName
63     FROM Employee
64     WHERE FirstName = @FirstName AND LastName = @LastName
65 GO
```



POWER BI - 1 MONTHS

A

INTRODUCTION TO POWER BI

- What is Power BI?
- Power BI Ecosystem: Desktop, Service, Mobile
- Understanding Data Visualization & BI Concepts
- Installing Power BI Desktop
- Power BI Interface Overview

CONNECTING TO DATA

- Supported Data Sources
- Connecting to Excel, CSV, SQL Server, Web, etc.
- Understanding Import vs DirectQuery vs Live Connection
- Data Loading and Transformation Basics

POWER QUERY EDITOR (DATA TRANSFORMATION)

- Power Query Interface
- Data Cleaning: Remove Duplicates, Fill, Replace Values
- Data Transformation: Pivot, Unpivot, Merge, Append
- Creating Conditional Columns
- Data Profiling, Data Types & Column Quality

DATA MODELING

- Creating Relationships Between Tables
- Star vs Snowflake Schema
- Understanding Cardinality & Cross Filter Direction
- Creating Calculated Columns and Measures
- Introduction to DAX (Data Analysis Expressions)

DAX (DATA ANALYSIS EXPRESSIONS)

- DAX Syntax and Functions
- Aggregation Functions: SUM, AVERAGE, COUNT
- Logical Functions: IF, SWITCH
- CALCULATE, FILTER, and ALL Functions
- Creating KPIs using DAX



POWER BI



B

DATA VISUALIZATION

- CREATING BASIC CHARTS: BAR, COLUMN, PIE, LINE
- SLICERS, CARDS, AND TABLES
- MATRIX VISUAL VS TABLE VISUAL
- CUSTOM VISUALS FROM APPSOURCE
- DRILL-THROUGH, DRILL-DOWN, AND TOOLTIPS
- BOOKMARKS AND SELECTION PANE
- DESIGNING INTERACTIVE DASHBOARDS



POWER BI SERVICE (CLOUD)

- PUBLISHING REPORTS TO POWER BI SERVICE
- CREATING AND MANAGING WORKSPACES
- SHARING REPORTS AND DASHBOARDS
- SETTING UP DATA REFRESH SCHEDULES
- POWER BI APPS & APP WORKSPACES

POWER BI ADVANCED TOPICS

- ROW-LEVEL SECURITY (RLS)
- PARAMETERS AND TEMPLATES
- ADVANCED DAX: VARIABLES, CONTEXT TRANSITION
- PERFORMANCE OPTIMIZATION TIPS
- WORKING WITH LARGE DATASETS



POWER BI AND EXCEL INTEGRATION

- ANALYZE IN EXCEL
- EXCEL PIVOTTABLES CONNECTED TO POWER BI
- EXPORTING DATA FROM POWER BI TO EXCEL
- POWER BI PUBLISHER FOR EXCEL



REAL-WORLD PROJECTS & CASE STUDIES

- SALES DASHBOARD
- FINANCIAL SUMMARY REPORT
- HR ANALYTICS DASHBOARD
- MARKETING CAMPAIGN ANALYSIS
- CUSTOM PROJECT AS PER DOMAIN



Web Development WITH FULL STACK Development Using Mern Stack - 6 MONTHS



A

Introduction to Web Development

- What is Full-Stack Development?
- Overview of the MERN Stack
- Tools & IDE Setup (VS Code, Git, Node.js, Browser Extensions)

JavaScript (ES6+)

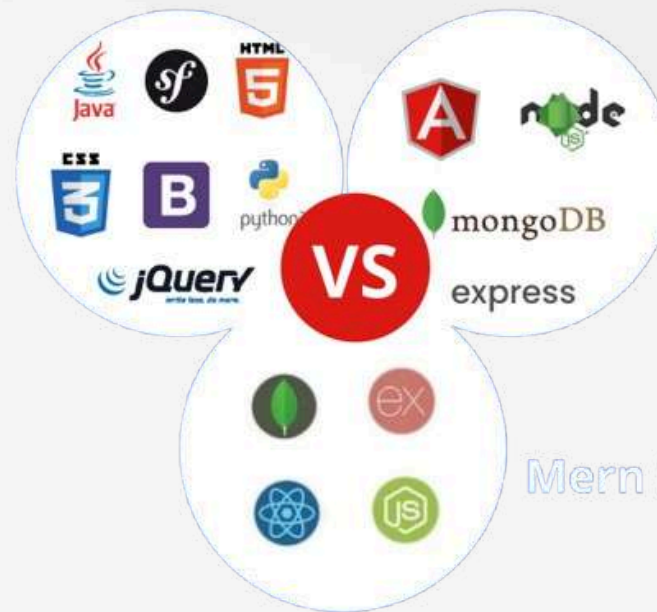
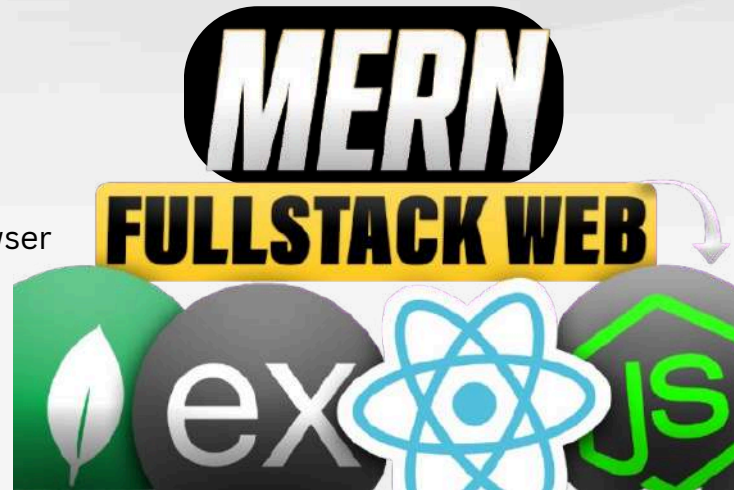
- Variables, Functions, Scope
- Arrays, Objects, Loops
- Arrow Functions, Spread/Rest, Destructuring
- DOM Manipulation & Event Handling
- Fetch API & JSON

React.js Essentials

- What is React? Why React?
- JSX, Components, Props & State
- React Developer Tools
- Conditional Rendering & Lists
- Handling Events in React

Advanced React Features

- useState & useEffect Hooks
- React Router v6 (Navigation + Dynamic Routes)
- Controlled vs Uncontrolled Components
- Forms in React (with validation)
- Lifting State Up & Component Composition



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Web Development WITH FULL STACK Development Using Mern Stack

Styling in React



B

- CSS Modules
- Tailwind CSS Setup & Classes
- Bootstrap 5 Integration
- Responsive Design Techniques

Node.js Basics

- Introduction to Node.js
- NPM & Package Management
- Modules, File System, and Environment Variables
- Creating a Basic Server with http and fs

Express.js Framework

- What is Express?
- Setting Up Routes (GET, POST, PUT, DELETE)
- Middleware & Error Handling
- Express Router & API Structure
- Serving Static Files

MongoDB & Mongoose

- Intro to NoSQL & MongoDB
- MongoDB Atlas Setup
- CRUD Operations with MongoDB Compass
- Connecting MongoDB with Mongoose
- Defining Schemas and Models

API Development

- Designing REST APIs with Express
- Connecting Frontend with Backend (Axios / Fetch)
- Handling JSON Data & HTTP Status Codes
- Input Validation & Sanitization

Authentication & Authorization

- Intro to JWT (JSON Web Token)
- Register/Login API with Hashed Passwords (bcrypt.js)
- Protecting Routes with Middleware
- Role-based Access (User/Admin) Project



Full Stack Developer Course



ELEVON ACADEMY

AUTOCAD PROGRAM 1 YEARS



A

AutoCAD (2D & 3D Design)

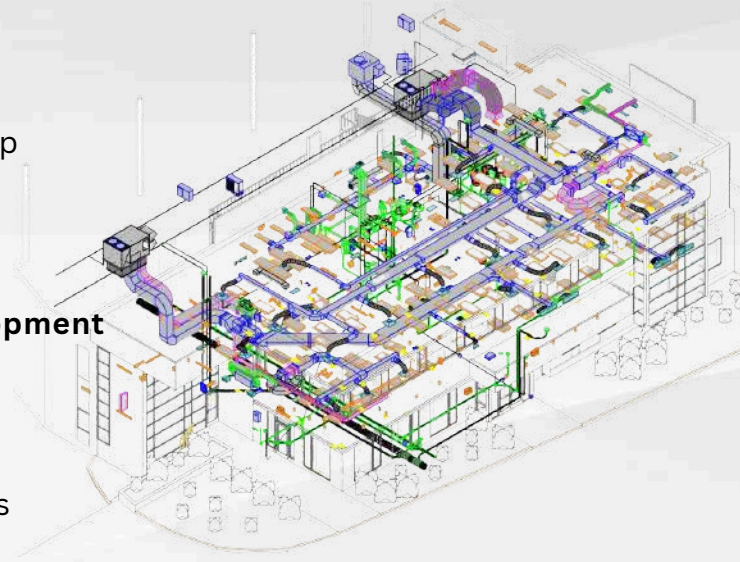
Used In: General, Mechanical, Civil, Electrical, Architecture

- Introduction to AutoCAD interface
- 2D drawing & modification tools
- Layers, blocks, dimensioning
- 3D modeling: Extrude, Revolve, Sweep
- Annotation, plotting, layouts

AutoCAD Civil 3D

Used In: Civil engineering, road & land development

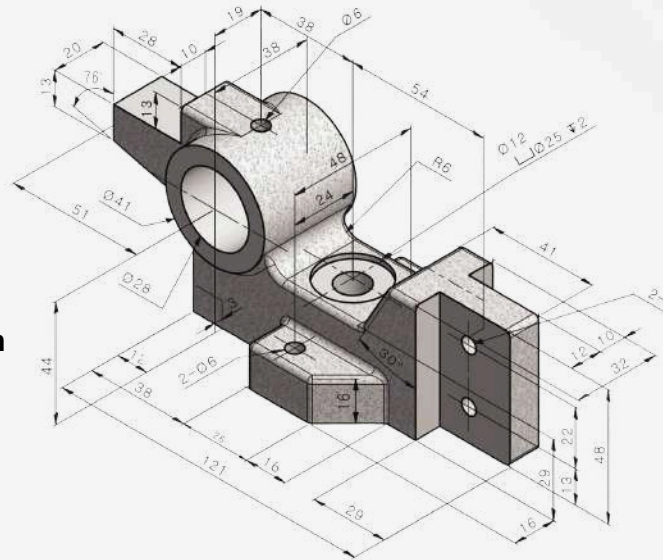
- Surveying & point cloud data
- Surface modeling, contours
- Road alignments & profiles
- Grading, drainage, and pipe networks
- Cross-sections, quantity takeoffs



AutoCAD Mechanical

Used In: Manufacturing, Mechanical engineering

- Mechanical drafting tools
- GD&T, BOM creation
- Assembly & exploded views
- Auto dimensioning, standards
- Part libraries (screws, gears)



AutoCAD Electrical

Used In: Electrical panel design, PLC, automation

- Wiring diagrams, ladder logic
- Panel layouts
- Component tagging, wire numbering
- PLC I/O drawings
- Reports: BOM, cable lists

Revit Architecture / MEP / Structure

Used In: BIM, Architectural, Structural & MEP design

- BIM concept & project setup
- Floor plans, elevations, sections
- Structural framing & foundations
- MEP systems: HVAC, piping, electrical
- Sheets, tags, and schedules
- Family creation



AUTOCAD PROGRAM



3ds Max (Modeling + Rendering + Animation)

Used In: Architecture visualization, animation, gaming

- 3D modeling: Polygons, splines, NURBS
- Materials & texturing
- Lighting (V-Ray, Arnold)
- Rendering (Interior/Exterior scenes)
- Basic animation & rigging
- Walkthrough creation



AUTOCAD CIVIL 3D

SolidWorks

Used In: Product design, mechanical modeling

- 3D part modeling
- Assemblies & mates
- 2D drawings from 3D models
- Simulation & motion analysis
- Sheet metal, weldments, surface modeling

CATIA

Used In: Aerospace, automotive, industrial design

- Sketcher & Part design
- Assembly design
- Surface modeling (GSD)
- Drafting
- Sheet metal & DMU Kinematics
- Structural analysis basics

Creo / ProE

Used In: Mechanical & product design

- Part modeling, assemblies
- Surfacing & detailing
- Mechanism design
- Analysis tools (stress, motion)
- Parametric design

Fusion 360

Used In: Cloud-based CAD/CAM, 3D printing, mechanical

- Sketch & parametric modeling
- Assembly & joints
- Rendering & animation
- CAM for CNC
- Simulation (static, thermal)



AUTODESK AutoCAD



AUTODESK



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ELEVON ACADEMY

DIGITAL MARKETING 4 MONTHS



INTRODUCTION TO DIGITAL MARKETING

- What is Digital Marketing?
- Traditional vs Digital Marketing
- Digital Marketing Channels
- Scope & Career Opportunities

WEBSITE PLANNING & DEVELOPMENT

- Domain, Hosting, CMS
- WordPress Setup (Basics to Intermediate)
- Website Structure & UI/UX Basics
- Landing Pages & CTA Optimization

Search Engine Optimization (SEO)

- Introduction to SEO
- On-Page SEO (Title, Meta Tags, URL, Internal Linking)
- Off-Page SEO (Backlinking, Guest Posting)
- Technical SEO (Sitemaps, Robots.txt, Page Speed, Mobile Friendly)
- Tools: Google Search Console, Yoast SEO, Ubersuggest, SEMrush

Search Engine Marketing (SEM) / Google Ads

- Google Ads Account Setup
- Campaign Types (Search, Display, Video, Shopping)
- Keyword Planning & Bidding
- Ad Extensions & Conversion Tracking
- Budgeting & Analytics

Social Media Marketing (SMM)

- Facebook, Instagram, LinkedIn, Twitter/X Marketing
- Organic vs Paid Campaigns
- Creating Business Pages
- Social Media Calendar
- Paid Ad Campaigns (Facebook Ads Manager)
- Influencer & Affiliate Marketing Basics

Content Marketing

- Content Strategy
- Types of Content (Blogs, Infographics, Videos, etc.)
- Copywriting Basics (Headlines, CTAs)
- Storytelling in Content
- Blogging Tools (WordPress, Medium)

Email Marketing

- Email List Building
- Tools: Mailchimp, ConvertKit
- Creating Effective Campaigns
- Automation & Personalization
- Avoiding Spam Filters

Mobile Marketing

- SMS Marketing
- App-based Ads
- WhatsApp Marketing
- Push Notifications

Affiliate Marketing

- What is Affiliate Marketing?
- Joining Networks (Amazon, ShareASale, etc.)
- Affiliate Tracking & Strategies
- Passive Income Methods

GOOGLE ANALYTICS & DIGITAL TOOLS

- Google Analytics 4 (GA4) Basics
- Tracking Website Traffic, Bounce Rate, Goals
- UTM Parameters
- Data-Driven Decision Making
- Other Tools: Hotjar, SimilarWeb, Ahrefs (optional)

ONLINE REPUTATION MANAGEMENT (ORM)

- Brand Monitoring
- Handling Negative Reviews
- Trust Building Online

E-COMMERCE MARKETING

- Setting up Online Store (Shopify, WooCommerce)
- Product Listing Optimization
- Ads for Ecommerce
- Dropshipping (optional)

FREELANCING & CAREER IN DIGITAL MARKETING

- How to get clients online
- Platforms: Fiverr, Upwork, Freelancer
- Building a Portfolio
- Interview Questions
- Project /
 - SEO blog, Facebook ad, Email funnel)
 - Project Report & Presentation
 - Certificate of Completion



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CYBER SECURITY & ETHICAL HACKING 1 YEARS



INTRODUCTION TO CYBER SECURITY

- What is cybersecurity?
- Types of threats (malware, ransomware, phishing, etc.)
- CIA triad (Confidentiality, Integrity, Availability)
- Attack vectors & threat actors
- Basics of risk management and policies

NETWORKING FUNDAMENTALS

- OSI and TCP/IP models
- IP addressing, ports, protocols (HTTP, FTP, DNS, etc.)
- Subnetting and routing basics
- VPNs and proxies
- Packet analysis with Wireshark

LINUX & WINDOWS FOR HACKERS

- Basic Linux commands & bash scripting
- File systems and permissions
- Windows internals, registry, PowerShell
- System logs and services

ETHICAL HACKING FUNDAMENTALS

- What is ethical hacking?
- Phases of hacking: Reconnaissance, Scanning, Gaining Access, Maintaining Access, Covering Tracks
- Types of hackers (white hat, black hat, grey hat)
- Legal & ethical guidelines (laws, compliance, NDA)

FOOTPRINTING & RECONNAISSANCE

- Passive vs. active information gathering
- Whois, NSlookup, Google dorking, Shodan
- Social engineering basics
- DNS enumeration

SCANNING & VULNERABILITY ASSESSMENT

- Nmap & advanced scanning
- Nessus and OpenVAS (vulnerability scanners)
- Banner grabbing
- Network sniffing and spoofing

GAINING & MAINTAINING ACCESS

- Password cracking (John the Ripper, Hydra)
- Brute force attacks
- Malware, Trojans, RATs
- Exploitation frameworks (Metasploit)

WEB APPLICATION HACKING

- OWASP Top 10 vulnerabilities
- SQL Injection, XSS, CSRF, LFI/RFI
- Burp Suite, ZAP Proxy
- Cookie/session manipulation

WIRELESS NETWORK HACKING

- WiFi attacks (WEP, WPA/WPA2 cracking)
- Tools: Aircrack-ng, Reaver, Kismet
- Rogue APs and Evil Twin attacks

CRYPTOGRAPHY & SECURITY

- Hashing vs. encryption
- Symmetric & asymmetric cryptography
- Public Key Infrastructure (PKI)
- Digital signatures & certificates

SECURITY TOOLS & PEN TESTING FRAMEWORKS

- Metasploit
- Nikto
- Wireshark
- Netcat
- Security Onion

REPORTING & DEFENSE

- Writing penetration testing reports
- SIEM (e.g., Splunk, ELK)
- Firewalls, IDS/IPS
- Incident response basics
- Hardening systems



**How Ethical Hackers
Are Changing the Game
in Cybersecurity**



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**ELEVON
ACADEMY**

VIDEO EDITING 3 MONTHS



Adobe Premiere Pro

- Professional project setup & workflow optimization
- Multicam & timeline editing mastery
- Color correction & Lumetri Color skills
- Audio editing & sound design
- Effects, transitions & keyframing
- Titles, graphics & motion templates
- Exporting & rendering best practices
- Collaborative Adobe Creative Cloud workflows
- Proxy workflows for high-res footage
- Performance enhancements & troubleshooting



Adobe After Effects

- Interface & project management essentials
- Keyframing, easing & smooth animations
- Layer management with parenting & precomps
- Masks, mattes & rotoscoping techniques
- 3D animation basics & camera tracking
- Expressions & scripting automation
- Particle systems & effects mastery
- Typography & kinetic text animation
- Optimized rendering for various platforms
- Integration with Adobe Premiere Pro



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ARTIFICIAL INTELLIGENCE (AI) - 2 MONTH



Introduction to Artificial Intelligence

- What is Artificial Intelligence?
- History and evolution of AI
- Types of AI: Narrow, General, Super AI
- Applications of AI in real life (Healthcare, Finance, Robotics, etc.)
- Ethics and challenges in AI

Basics of Python for AI

- Python basics (variables, data types, loops, functions)
- Libraries: NumPy, Pandas, Matplotlib
- Data structures and file handling
- Writing clean, reusable code

Mathematics for AI

- Linear Algebra (vectors, matrices, dot products)
- Probability and statistics
- Calculus basics (derivatives, gradients)
- Optimization concepts

Data Handling and Preprocessing

- Loading datasets
- Cleaning data (missing values, duplicates)
- Data transformation and normalization
- Feature engineering and selection
- Splitting datasets

Machine Learning Fundamentals

- Supervised vs Unsupervised Learning
- Regression (Linear, Logistic)
- Classification (Decision Trees, k-NN, SVM)
- Clustering (K-Means, Hierarchical)
- Evaluation metrics (accuracy, precision, recall, F1-score)

Deep Learning

- Introduction to Neural Networks
- Activation functions
- Forward and backward propagation
- Introduction to TensorFlow and Keras
- Building simple neural networks

Natural Language Processing (NLP)

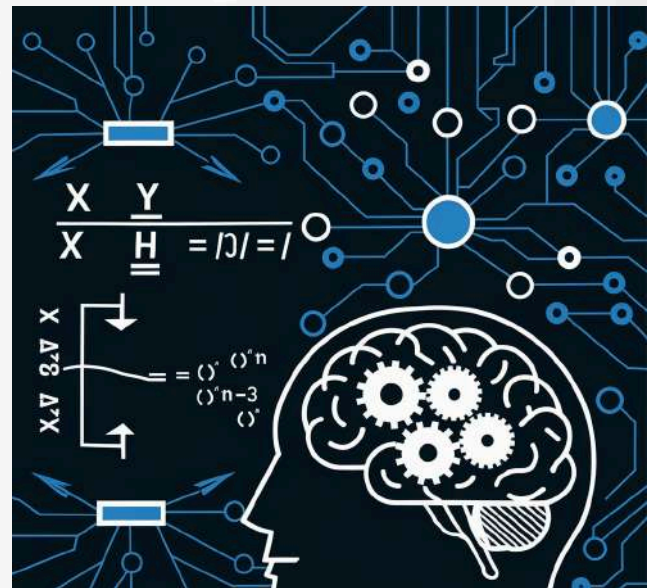
- Text processing and cleaning
- Bag of Words, TF-IDF
- Sentiment analysis
- Intro to transformers and LLMs (like ChatGPT)

AI in Computer Vision

- Image processing basics
- Using OpenCV and Keras
- CNNs (Convolutional Neural Networks)
- Object detection and classification

Project

- , AI chatbot, image classifier, fraud detection
- End-to-end model building
- Deployment using Streamlit or Flask
- Final presentation.



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ROBOTICS - 2 MONTHS



Introduction to Robotics

- What is robotics?
- History and evolution of robots
- Types of robots (industrial, service, humanoid, autonomous)
- Applications of robotics
- Basic components of a robot (sensors, actuators, controller, power)

Basics of Electronics and Sensors

- Current, voltage, resistance, Ohm's Law
- Breadboard basics and wiring
- Microcontrollers vs microprocessors
- Common sensors: ultrasonic, IR, LDR, temperature
- Interfacing sensors with Arduino or Raspberry Pi

Mechanical Design and Actuators

- Robot kinematics basics
- Types of actuators: DC motors, servos, stepper motors
- Chassis design
- Gears, wheels, arms, and joints
- CAD introduction (Fusion 360, TinkerCAD)

Microcontrollers & Programming

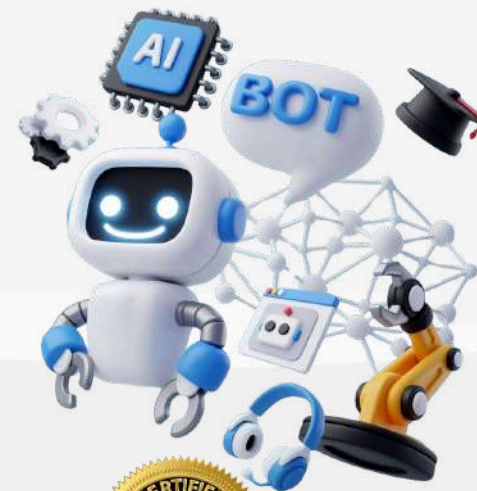
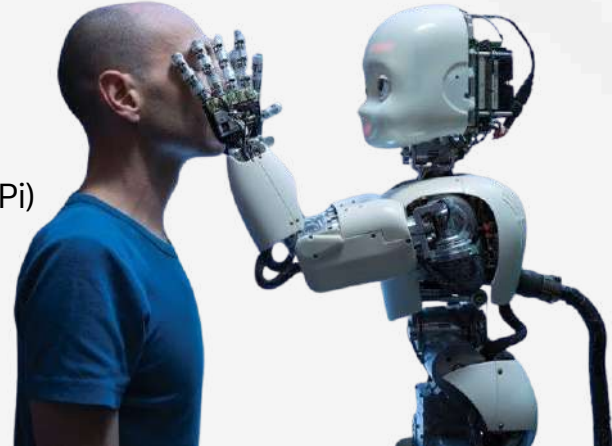
- Introduction to Arduino and/or Raspberry Pi
- Basic programming with Arduino (C/C++) or Python (for Pi)
- Reading sensor values
- Controlling actuators
- Basic logic: If-else, loops, delays

Autonomous Robots

- Line follower robot
- Obstacle avoidance robot
- Bluetooth/wifi-controlled robot
- Using motor drivers (L298N, H-Bridge)
- Introduction to IoT in robotics

Project & Integration

- Building a complete robot (e.g., line follower, delivery robot)
- Combining sensors, logic, control, and structure
- Testing and debugging
- Final presentation and demonstration



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DATA SCIENCE AI WITH PYTHON - 1 YEARS



Introduction to Data Analytics

- What is Data Analytics?
- Types of Analytics: Descriptive, Diagnostic, Predictive, Prescriptive
- Real-world applications
- Analytics workflow
- Role of a Data Analyst



**Data Science
with
Python**

SQL for Data Analytics

- Basics of relational databases
- SQL queries: SELECT, WHERE, GROUP BY, JOIN, ORDER BY
- Aggregations and subqueries
- Window functions
- Creating views and data filtering
- Hands-on with MySQL



Python for Data Analytics

- Python basics: Variables, Data types, Conditional Statement, Functions, Loops, Data structure (List, Tuple, Set, Dictionary)
- OOP's concept, Exception Handling, File Handling.
- Libraries: NumPy – Arrays & numerical operations
Pandas – Data Frames, reading CSVs, filtering, group by Matplotlib & Seaborn – Data visualization
- Data Cleaning: handling nulls, duplicates, formatting
- Exploratory Data Analysis (EDA)



**PYTHON
FOR DATA SCIENCE**



**ELEVON
ACADEMY**

Data Visualization & Storytelling

-

Mathematics for Data Science

-



SAP FICO



B

GENERAL LEDGER ACCOUNTING (FI-GL)

- A.CREATE GL ACCOUNT MASTER
- B.EDIT GL ACCOUNT MASTER
- C.DISPLAY GL ACCOUNT MASTER
- D.HOW TO DELETE GL ACCOUNT MASTER

TRANSACTION POSTING

- BASIC TERMINOLOGY FOR POSTING
- POSTING OF TRANSACTIONS
- FAST DATA ENTRY SCREEN FOR GL ACCOUNT ITEMS
- DEFAULT TEMPLATE FOR USER
- DISPLAY POSTED DOCUMENT

GL STANDARD REPORTS

- BALANCE REPORT TC-FS10N II.LINE-ITEM REPORT
- CREATE SAMPLE DOCUMENT
- DISPLAY SAMPLE DOCUMENT
- POSTING OF TRANSACTIONS BY USING SAMPLE DOCUMENT TEMPLATE
- CHANGE SAMPLE DOCUMENT
- DELETE SAMPLE DOCUMENT

RECURRING DOCUMENT

- CREATE PREPAID RENT GL ACCOUNT
- DEFINE NUMBER RANGE FOR RECURRING DOCUMENT
- CREATE RECURRING DOCUMENTS
- TO DISPLAY RECURRING DOCUMENTS
- TO POST DOCUMENTS USING RECURRING DOCUMENT
- DELETE RECURRING DOCUMENT

FI-AP – ACCOUNTS PAYABLE

- CREATION OF VENDOR ACCOUNT GROUP

LOCAL VENDORS

FOREIGN VENDORS

- CREATION OF NUMBER RANGES FOR VENDOR ACCOUNTS
- ASSIGN NUMBER RANGES FOR VENDOR ACCOUNTS
- DEFINE TOLERANCE GROUPS FOR VENDORS
- DEFINE DOCUMENT TYPES AND NUMBER RANGES
- CREATION OF GL ACCOUNTS
- CREATION OF VENDOR MASTER
- POSTING OF PURCHASE INVOICE
- CHECK THE VENDOR LINE-ITEM DISPLAY
- DISPLAY THE BALANCE
- POSTING OF OUTGOING PAYMENT
- CHECK THE VENDOR LINE-ITEM DISPLAY

FI-ACCOUNTS RECEIVABLE

- DEFINE ACCOUNT GROUPS WITH SCREEN LAYOUT (CUSTOMERS)
- CREATE NUMBER RANGES FOR CUSTOMER ACCOUNTS
- ASSIGN NUMBER RANGES TO CUSTOMER ACCOUNT GROUPS
- CREATION OF GL MASTER
- CREATE SALES ACCOUNT
- CREATE SUNDRY DEBTORS A/C
- CREATE CUSTOMER MASTER RECORD
- DEFINE NUMBER RANGE INTERVAL FOR NUMBER RANGE
- POSTING OF SALES INVOICE
- CHECK CUSTOMER LINE-ITEM DISPLAY
- DISPLAY CUSTOMER ACCOUNT BALANCE
- DISPLAY THE GL ACCOUNT BALANCE IN THE SUNDRY DEBTOR'S A/C
- POSTING OF INCOMING PAYMENT
- CHECK THE CUSTOMER LINE-ITEM DISPLAY



What is SAP FICO?



SAP FICO



Ministry of Micro, Small and Medium Enterprises,
Government of India

MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम



ELEVON ACADEMY