CSC
COMPUTER SOFTWARE COLLEGE
An ISO 9001 : 2015 Certified Institution

PROSPECTUS

1986
Journey Begins

1992
25
Centers

2006
200
Centers

2020
360
Centers

1 LAKH STUDENTS
Trained Every Year

2026
Marching Ahead with
400+
Centers

India's No. 1 Computer Institute
SINCE 1986

HDCA

Honours Diploma in Computer Application (Tally)

450 Hrs

- Students must do two projects using Tally Prime and VBA Excel.

OBJECTIVE

Upon completion of this course, the participant acquires the advantage in choosing his / her career as an Application Programmer, Computerised Accountant, Web Programmer.

TARGET AUDIENCE

School final students / Graduates / Students pursuing a career in Computer.

PREREQUISITES

No prior Computer knowledge is required.

OVERVIEW

This course has been tailor made as per the software industry requirement. It is a stepping stone for those who aspire to be a software professional.

COURSE COVERAGE

I. END-USER APPLICATION

WINDOWS

Computer Fundamentals - Introduction to OS/GUI- Wordpad - Notepad - Paintbrush - Windows Explorer - Control Panel.

MS OFFICE

Word Creating Text and Documents - Indexes and Tables - Embedding Picture - Table Manipulation - Mail Merge - Macro.

Excel Formatting Cells - Charts - Pivot Table - Data Table - Forms - Scenarios - Goal seek - Macros and Module.

PowerPoint Creating Presentations - OLE - Enhancing Presentation - Adding Audio & Video - Special Effects.

INTERNET

Creating E-mail ID - Receiving & Sending E-mail - Chatting - Locating Information - Downloading.

II. FRONT-END LANGUAGE & LIBRARY

HTML5

HTML Basics - New Elements - Canvas - Multimedia - Form Elements, Semantic.

CSS3

Syntax - Id, Class, Tag Styling - Using Text - Fonts - Links - Lists and Tables - Box Model - Text Effects - Transition - Animations.

III. DATABASE MANAGEMENT SYSTEM

MySQL

Client / Server Concepts - Relational Model - Data Definition Using SQL - Modify Tables - Using ALTER TABLE Queries, Add a Column, Add an Index, Add a Primary Key - INSERT and DELETE Queries - UP-DATE Queries - Using Select Queries - SELECT, WHERE, LIMIT, ORDER BY, GROUP BY, JOIN - Con-straints and Indexes - Views - Expressions - Group-ing - Using Functions - Math Functions, Compare String values, Work with Dates - JOIN and Subqueries - Advanced MySQL Query Processing.

IV. FINANCIAL ACCOUNTING

INTRODUCTION TO TallyPrime

Principles of Accounting – 5 Steps - Maintaining Company Data - F11 Features, F12 Configure.

MASTERS

Group-Ledger-Chart of accounts-Stock Group-Stock Category-Unit of measurement-Godown-Stock Item

TALLY VOUCHERS

Accounting, Inventory Vouchers

REPORTS

Balance Sheet - P & L A/c - Ratio Analysis - Cash Flow, Fund flow Statements - Ageing Analysis - Movement Analysis.

ADVANCED ACCOUNTING

Billwise Details - Cost Centres and Cost Categories - Voucher Classes and Cost centre Classes - Multiple Currencies - Bank reconcilliation - Interest Calculation - Budgets & Scenario - Job Costing.

ADVANCED INVENTORY

Order Processing - Reorder Levels - Tracking Numbers - Batch wise Details - Additional cost Details - Bill of Materials - Price List.

SYSTEM ADMINISTRATION AND OTHER UTILITIES

Consolidation of Accounts - Tally vault - Security Control - Tally Audit - Back up and Restore - Split company Data - Export and Import of Data - ODBC Compliance.

POINT OF SALES

Predetermination of Invoice - Multi payment Modes - Small & Smart Bills - POS Sales Register.

MULTI LANGUAGE

Supporting OS - Translation or Transliteration - System & Phonetic Keyboard - Sourcing from other Software.

GOODS & SERVICE TAX (GST)

Accounting of Purchase or Sales returns - Inter State Trade Accounting - Accounting of Exempted Items - Accounting Purchases from Unregistered Dealers - Accounting Input Credit on Capital Goods - GST Computation & Forms.

TDS & TCS

Entry - Calculator - Reports - e Returns.

PAYROLL

Introduction to Payroll - Configuring Tally for Payroll - Creation of Payroll Masters - Recording of attendance - Preparation of Payroll Vouchers based on attendance - Preparation of a Salary Disbursement Voucher - Payroll Reports (Pay slip, Pay Sheet, Payroll Statement, Payment Advice, Payroll Register, Attendance Sheet, Attendance Register) - Introduction to Provident Fund.

ADD - ON FEATURES

WhatsApp Connect - Import from Excel - Dashboard.

PROJECT*

Live simulated projects are given to students.

V. ADVANCED EXCEL & VBA PROGRAMMING

ADVANCED EXCEL

Introduction to MS Excel and Understanding Basic Working with it - Formatting Worksheet - Working with Formulas/Functions (Lookup and Reference Functions, Logical Function, Database Functions, Date and Time Functions, Information Functions, Math and Trigonometry Functions, Statistical Functions, Text Functions) - Conditional Formatting - Connect to other Database - Data Sorting and Filtering - Pivot Tables& Charts.

VBA PROGRAMMING

VBA Overview - VBA Programming Variables - Conditional Logic - String and String Functions - Programming Loops - Programming Arrays - Subs and Functions - Creating your first Macro - Excel VBA - Excel Objects - Excel Events - Excel VBA Error Handling - Excel VBA and User forms - Connect with an external data - Work on automation project.

PROJECT*

Students are given projects using VBA Excel and it will be helpful to explore how to use VBA to automate different tasks or developing applications/ tools using VBA.

VI. DIGITAL MARKETING

Introduction to Digital Marketing, Traditional vs Digital Marketing, Organic vs Inorganic Marketing, Content Creation, Graphic Designing, Social Media Marketing, Facebook, Instagram, Youtube, Search Marketing, Google Ads, Google Analytics.

VII. CHATGPT

ChatGPT is a free-to-use AI system. Use it for engaging conversations, gain insights, automate tasks, and witness the future of AI, all in one place.

TallyPrime VBA Advanced Excel

HDCA

Honours Diploma in Computer Application
(Programming)

450 Hrs

- Students must do two projects using C/C++ and Python.

TARGET AUDIENCE

School final students / Graduates / Students pursuing a career in Computer.

PREREQUISITES

No prior Computer knowledge is required.

OVERVIEW

This course has been tailor made as per the software industry requirement. It is a stepping stone for those who aspire to be a software professional.

OBJECTIVE

Upon completion of this course, the participant acquires the advantage in choosing his / her career as an Application Programmer, Create applications using object oriented programming concepts such as inheritance, polymorphism and virtual functions.

COURSE COVERAGE

I. END-USER APPLICATION

WINDOWS

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III. DATABASE MANAGEMENT SYSTEM

MySQL

Client / Server Concepts - Relational Model - Data Definition Using SQL - Modify Tables - Using ALTER TABLE Queries, Add a Column, Add an Index, Add a Primary Key - INSERT and DELETE Queries - UPDATE Queries - Using Select Queries - SELECT, WHERE, LIMIT, ORDER BY, GROUP BY, JOIN - Constraints and Indexes - Views - Expressions - Grouping - Using Functions - Math Functions, Compare String values, Work with Dates - JOIN and Subqueries - Advanced MySQL Query Processing.

IV. Programming Tools

"C" LANGUAGE

Data Types - Operators - Expressions - Conditional Compilation - Looping & Branching - Arrays - Functions - Storage Classes - Structures and Unions - Pointers - Dynamic Memory Allocation - File Handling - Linked Lists - Double Linked List - Circular Linked List - Bit Manipulation - Introduction to Data Structure.

OOPS Using C++

Introduction to OOPS - Input & Output Streams - Classes & Objects - Member Functions - Function Overloading - Friend Functions & Classes - Operator Overloading - Constructor & Destructor - Inheritance - Polymorphism - File handling using Stream Classes - Instance - Templates.

PROJECT*

Development of System / Graphical Utility.

PYTHON

Introduction to Python - History - Features - Working with Python - Basic Syntax - Variable and Data Types – Operator and Expressions - Conditional Statements - If - If- else - Nested if-else – Looping – For - While - Nested loops - Control Statements - Break - Continue – Pass - String Manipulation - Accessing Strings - Basic Operations - String slices - Function and Methods – Lists - Introduction - Accessing list - Operations - Working with lists - Function and Methods – Tuple - Introduction -Accessing tuples - Operations - Working - Functions and Methods – Dictionaries - Introduction - Accessing values in dictionaries - Working with dictionaries - Properties – Functions - Defining a function - Calling a function - Types of functions - Function Arguments - Anonymous functions - Global and local variables – Modules - Importing module - Math module - Random module - Packages – Composition - Input-Output - Printing on screen - Reading data from keyboard - Opening and closing file - Reading and writing files – Functions - Exception Handling - Exception - Except clause - OOPs concept - Class and object - Attributes - Inheritance - Overloading - Overriding - Data hiding – Polymorphism – Data Structure.

Advanced Excel MySQL python

ADVANCED PYTHON PROGRAMMING

- MySQL Database Access
- GUI Programming (Tkinter)
- Image Processing in Python with Pillow & OPENCV
- Web Scraping

PROJECT*

Using Python students will develop web development, data science, desktop applications, and more.

V. DIGITAL MARKETING

Introduction to Digital Marketing, Traditional vs Digital Marketing, Organic vs Inorganic Marketing, Content Creation, Graphic Designing, Social Media Marketing, Facebook, Instagram, Youtube, Search Marketing, Google Ads, Google Analytics.

VII. CHATGPT

ChatGPT is a free-to-use AI system. Use it for engaging conversations, gain insights, automate tasks, and witness the future of AI, all in one place.

ADR

Advanced Diploma in Data Analyst Using R

150 Hrs

OBJECTIVE

To develop basic proficiency in R programming for data analysis, enabling learners to work with datasets, perform simple statistical tasks, and create visualizations as a foundation for data science and analytics.

TARGET AUDIENCE

Graduate / Post Graduate (Arts/ Science / Commerce / IT), Engineering students and professionals.

PREREQUISITES

Familiarity with high school–level mathematics (algebra and basic statistics is helpful but not mandatory)

OVERVIEW

By the end of the course, participants can confidently use R to analyze data and build simple, reproducible projects, forming a strong foundation for further study in data science and analytics.

COURSE COVERAGE

ADVANCED EXCEL FOR DATA ANALYSIS

Data cleaning and formatting
Sorting, filtering, conditional formatting
Formulas & functions (logical, text, date, lookup)
Pivot tables and pivot charts
Business reports and dashboards
Importing and exporting data

SQL FOR DATA ANALYSTS

Introduction to databases and tables
SELECT, WHERE, ORDER BY
Aggregate functions (SUM, COUNT, AVG)
GROUP BY and HAVING
JOINs (INNER, LEFT, RIGHT)
Subqueries and nested queries
Case-based SQL problem solving

R PROGRAMMING FUNDAMENTALS

R environment and RStudio
Variables, data types, vectors, lists
Matrices and data frames
Control structures
Writing reusable functions

DATA HANDLING & CLEANING IN R

Importing CSV and Excel files
Data manipulation with dplyr
Data reshaping using tidyr
Handling missing values and outliersData validation and consistency checks

DATA VISUALIZATION & EDA (R)

Base R plotting
ggplot2 for professional visualizations
Bar, line, scatter, box, histogram
Exploratory Data Analysis (EDA)
Insight storytelling through charts

STATISTICS FOR DATA ANALYSIS

Descriptive statistics
Probability basics
Normal and binomial distribution
Sampling techniques
Central Limit Theorem
Correlation and covariance

INFERENTIAL STATISTICS & DECISION MAKING

Hypothesis testing framework
t-test and z-test
ANOVA, Chi-square test
Confidence intervals
Practical decision interpretation

REGRESSION & ANALYTICS MODELING (R)

Simple linear regression
Multiple regression
Model interpretation
Assumptions checking
Business use cases

R SHINY – INTERACTIVE DASHBOARDS

Shiny UI and Server fundamentals
Interactive plots and tables
Filters, dropdowns, sliders
Integrating analysis into dashboards
Deploying Shiny applications

REPORTING & DOCUMENTATION

R Markdown
Reproducible reports
Combining code, charts, and explanations
Presenting insights to stakeholders

CAPSTONE PROJECT (END-TO-END)

Business problem understanding
Data extraction using SQL
Data analysis using Excel & R
Statistical validation
Dashboard creation using Shiny
Final report and presentation

HDFD

Honours Diploma in Full Stack Developer

450 Hrs

OBJECTIVE

After completing the program, you will be eligible for a variety of career opportunities and build your career in front-end developer, back-end developer, API, or full stack developer roles in organizations ranging from start-ups to Fortune 500 companies.

TARGET AUDIENCE

School Final / Diploma / Graduates / Engineering

PREREQUISITES

No prior Computer knowledge is required.

OVERVIEW

This course is designed for beginners to specialize in program solving skills with Programming Languages and building the complete modern web sites with Front-End, Back-End and Web Framework technologies, Database Management Systems. Upon completion of this course, you are 100% fit for the campus placements.

COURSE COVERAGE

I. PROGRAMMING LANGUAGE

"C" LANGUAGE

Data Types - Operators - Expressions - Conditional Compilation - Looping & Branching - Arrays - Functions - Storage Classes - Structures and Unions - Pointers - Dynamic Memory Allocation - File Handling - Linked Lists - Double Linked List - Circular Linked List - Bit Manipulation - Introduction to Data Structure.

OOPS USING C++

Introduction to OOPS - Input & Output Streams - Classes & Objects - Member Functions - Function Overloading - Friend Functions & Classes - Operator Overloading - Constructor & Destructor - Inheritance - Polymorphism - File handling using Stream Classes - Instance - Templates.

JAVA

Data Types - Arrays - Functions - Classes - Methods - Inheritance - Polymorphism - Interfaces -Packages - Garbage Collection - Exception Handling - Data Structures - Collection - Generics - File Streams - Serialization - Multi Threading - Networking - Socket Programming - JDBC - JFC / Swing

PYTHON

Introduction - Conditional Statements - Looping - Control Statements - String Manipulation - Lists - Tuple - Dictionaries - Functions - Modules - Input/Output - Exception Handling - Files - Packages - OOPS Concept - Class and objects - Inheritance - Polymorphism - Data Structure - MySQL Database Access - GUI Programming (Tkinter) - Image Processing in Python with Pillow & OPENCV.

II. FRONT-END LANGUAGE & LIBRARY

HTML5

HTML Basics - New Elements - Canvas - Multimedia - Form Elements, Semantic.

CSS3

Syntax - Id, Class, Tag Styling - Using Text - Fonts - Links - Lists and Tables - Box Model - Text Effects - Transition - Animations.

BOOTSTRAP

Responsive layouts with Grids - Themes - Components - Building Forms.

ADVANCED JAVASCRIPT

Basics, Arrays - Functions and Objects - DOM Model - Event Handling - Arrow Functions - Closures - Array Filter and Array Reduce - Regular Expression - OOPs - Promises - Async/Wait.

REACT JS

Creating an app - Using Templates - Components - Working with Props and State - Event Handling - Routing - Hooks - useState - useEffect - useRef - useCallback - useContext - Server Integration with API calls.

III. DATABASE MANAGEMENT SYSTEM

MySQL

Client / Server Concepts - Relational Model - Data Definition Using SQL - Modify Tables - Using ALTER TABLE Queries, Add a Column, Add an Index, Add a Primary Key - INSERT and DELETE Queries - UPDATE Queries - Using Select

django spring boot mongoDB Bootstrap

Queries - SELECT, WHERE, LIMIT, ORDER BY, GROUP BY, JOIN - Constraints and Indexes - Views - Expressions - Grouping - Using Functions - Math Functions, Compare String values, Work with Dates - JOIN and Subqueries - Advanced MySQL Query Processing.

MongoDB

Introduction to NOSQL databases, CRUD operations, Data Indexing & Aggregation, Working with Unstructured Data.

IV. WEB FRAMEWORK

ELECTIVE - I

DJANGO

What Is a Web Framework - The MVT Design Pattern - Django template tags - If/else - If/elif/else – For – Comments – Filters - Using templates to display data in the site – Forms Creation - CRUD operations - The Form class - Processing the form - Widgets – Validation - Forms in templates - Using Models and ORM - Building Web APIs using Django REST - Generic Views in Django Rest – Serializers - Working with Images - Authentication with tokens - Postman - Related models - Contenttypes app.

ELECTIVE - II

SPRING BOOT

Spring Boot Annotations – CRUD Operations – Spring Data JPA – CrudRespository & JpaRespository – findBy methods in JPA – Custom Queries in JPA – Forms Development – Hibernate – JAVA REST API – REST API Media Types – Exception Handling – Connecting Spring Boot and React.

PROJECT

To enhance the skills of the Student as full-stack developer they are given web development projects like E-Commerce Website, Food Delivery App, Content Management System, Project Management Dashboard, etc.

DCE

Diploma in Cybersecurity & Ethical Hacking

150 Hrs

OBJECTIVE

Build practical skills to identify, prevent, and respond to cyber threats using ethical hacking techniques and modern security tools.

PREREQUISITES

Basic computer knowledge

TARGET AUDIENCE

10+2 / Diploma / Degree students

OVERVIEW

This diploma program provides hands-on training in cybersecurity fundamentals and ethical hacking practices. Students learn how hackers think, how attacks are performed, and how to defend systems effectively.

COURSE COVERAGE

KALI LINUX / UBUNTU

- Install & setup security lab environment
- Basic terminal workflow

VIRTUALIZATION

- VirtualBox
- VMware Workstation Player

NETWORKING ESSENTIALS

- IP Addressing, Ports & Protocols
- DNS, HTTP, HTTPS
- LAN, WAN • TCP vs UDP • Firewalls

LINUX ESSENTIALS

- **Files:** ls, cd, cp, mv, rm
- **Permissions:** chmod, chown
- **Editors:** nano, vi
- **System:** ps, top, df, du
- **Network:** ifconfig, ip a, iwconfig
- **Search:** grep, find
- **Logs:** /var/log

PYTHON (CYBER USE CASES)

- Variables, loops, conditions, functions
- File handling, modules
- Password strength checker
- Simple port scanner
- Log analysis, hash generation

HTML BASICS (FORMS)

- Input fields, view source
- Understanding vulnerable code basics

CYBERSECURITY FUNDAMENTALS

- CIA Triad • Threat vs Vulnerability
- Malware types • Phishing & Social Engineering
- Encryption vs Hashing • Authentication basics

ETHICAL HACKING WORKFLOW

- Reconnaissance • Scanning • Enumeration
- Gaining Access • Maintaining Access • Reporting
- **Tools:** Nmap, Netdiscover, Whois, nslookup, theHarvester
- **Web:** OWASP ZAP, Nikto, Dirb/Dirbuster, WhatWeb, Burp Suite
- **Passwords/Exploitation:** Hydra, John the Ripper, Hashcat, Metasploit
- **Network:** Wireshark, Tcpdump

WEB APPLICATION SECURITY

- SQL Injection • XSS • CSRF
- File upload attacks • Broken authentication
- Security misconfiguration
- **Labs:** DVWA, OWASP Juice Shop, bWAPP, Metasploitable2

DEFENSIVE SECURITY

- UFW Firewall • ClamAV • Fail2Ban
- Snort • Security logs analysis

CYBER LAWS & ETHICS

- IT Act 2000
- Ethical hacking rules • Legal vs illegal hacking
- Responsible disclosure • Bug bounty basics

DFJD

Diploma in
Full Stack Java Developer

150 Hrs

OBJECTIVE
This course help participants to master both front-end and back- end Java technologies and accelerate their career as a full stack software developer

TARGET AUDIENCE
Diploma / Graduates / Engineering Students.

PREREQUISITES
Basic knowledge of Computing.

OVERVIEW
A Java full stack web developer is a developer with extensive knowledge and expertise in full stack tools and frameworks that works with java. This Full Stack Java Developer course is designed to give you an essence of front-end, middleware, and back-end Java web developer technologies. You will learn to build an end-to-end application and store data using MySql / MongoDB.

COURSE COVERAGE

FRONT-END LANGUAGE & LIBRARY

HTML5
HTML Basics - New Elements - Canvas - Multimedia - Form Elements, Semantic.

CSS3
Syntax - Id, Class, Tag Styling - Using Text - Fonts - Links - Lists and Tables - Box Model - Text Effects - Transition - Animations.

BOOTSTRAP
Responsive layouts with Grids - Themes - Components - Building Forms.

ADVANCED JAVASCRIPT
Basics, Arrays - Functions and Objects - DOM Model - Event Handling - Arrow Functions - Closures - Array Filter and Array Reduce - Regular Expression - OOPs - Promises - Async/Wait.

REACT JS
Creating an app - Using Templates - Components - Working with Props and State - Event Handling - Routing - Hooks - useState - useEffect - useRef - useCallback - useContext - Server Integration with API calls.

LANGUAGE

JAVA
Data Types - Arrays - Functions - Classes - Methods - Inheritance - Polymorphism - Interfaces -Packages - Garbage Collection - Exception Handling - Data Structures - Collection - Generics - File Streams - Serialization - Multi Threading - Networking - Socket Programming - JDBC - JFC / Swing.

DATABASE MANAGEMENT SYSTEM

MySQL
Client / Server Concepts - Relational Model - Data Definition Using SQL - Modify Tables - Using ALTER TABLE Queries, Add a Column, Add an Index, Add a Primary Key - INSERT and DELETE Queries - UPDATE Queries - Using Select Queries - SELECT, WHERE, LIMIT, ORDER BY, GROUP BY, JOIN - Constraints and Indexes - Views - Expressions - Grouping - Using Functions - Math Functions, Compare String values, Work with Dates - JOIN and Subqueries - Advanced MySQL Query Processing.

MongoDB
Introduction to NOSQL databases, CRUD operations, Data Indexing & Aggregation, Working with Unstructured Data

WEB FRAMEWORK

SPRING BOOT
Spring Boot Annotations – CRUD Operations – Spring Data JPA – CrudRespository & JpaRespository – findBy methods in JPA – Custom Queries in JPA – Forms Development – Hibernate – JAVA REST API – REST API Media Types – Exception Handling – Connecting Spring Boot and React.

CODE MANAGEMENT

GIT
Setting up a GIT repository - Version Control - Branching & Merging – Collaboration.

React mongoDB Bootstrap spring boot

DFPD

Diploma in
Full Stack Python Developer

150 Hrs

OBJECTIVE
This course help the participants to understand from basic to advance level in the application of Python.

TARGET AUDIENCE
Diploma / Graduates / Engineering Students.

PREREQUISITES
Python programming language is mandatory

OVERVIEW
Python Full Stack Developer course is designed for beginners and developers to specialize in building complete modern web sites with Front-End, Back-End and Web Framework technologies, Database Management Systems. With rapid development in technologies, Python Full Stack Developer professionals are in demand.

COURSE COVERAGE

FRONT-END LANGUAGE & LIBRARY

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ADVANCED PYTHON PROGRAMMING
- MySQL Database Access
- GUI Programming (Tkinter)
- Image Processing in Python with Pillow & OPENCV
- Web Scraping

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DJANGO
What Is a Web Framework - The MVT Design Pattern - Django template tags - If/else - If/elif/else – For – Comments – Filters - Using templates to display data in the site – Forms Creation - CRUD operations - The Form class - Processing the form - Widgets – Validation - Forms in templates - Using Models and ORM - Building Web APIs using Django REST - Generic Views in Django Rest – Serializers - Working with Images - Authentication with tokens - Postman - Related models - Contenttypes app.

CODE MANAGEMENT

GIT
Setting up a GIT repository - Version Control - Branching & Merging – Collaboration.

Bootstrap React mongoDB django

DCA

Diploma in Computer Application (Tally)

225 Hrs

OBJECTIVE

Upon completion of this course the participant will have a thorough knowledge in Microsoft Office suite and TallyPrime.

TARGET AUDIENCE

School Final / Diploma / B.Com / M.Com / MBA.

PREREQUISITES

No prior Computer knowledge is required.

OVERVIEW

This course provides the participant the knowledge of MS-Office and Accounting which is the basic requirement of any organisation.

COURSE COVERAGE

END-USER APPLICATION

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Excel Formatting Cells - Charts - Pivot table - Data Table - Forms - Scenarios - Goal seek - Macros and Modules.

PowerPoint Creating Presentations - OLE - Enhancing Presentation - Adding Audio & Video - Special Effects.

INTERNET

Introduction to Internet, www, http & E-mail - Creating E-mail ID - Receiving & Sending E-mail - Chatting - Locating Information - Downloading.

TallyPrime

INTRODUCTION TO TallyPrime : Principles of Accounting – 5 Steps - Maintaining Company Data - F11 Features, F12 Configure.

MASTERS : Group-Ledger-Chart of accounts-Stock Group-Stock Category-Unit of measurement-Godown-Stock Item.

TALLY VOUCHERS : Accounting, Inventory Vouchers.

REPORTS : Balance Sheet - P & L A/c - Ratio Analysis - Cash Flow, Fund flow Statements - Ageing Analysis - Movement Analysis.

ADVANCED ACCOUNTING : Bill wise Details - Cost Centres and Cost Categories - Voucher Classes and Cost centre Classes - Multiple Currencies - Bank reconcilliation - Interest Calculation - Budgets & Scenario - Job Costing.

ADVANCED INVENTORY : Order Processing - Reorder Levels - Tracking Numbers - Batch wise Details - Additional cost Details - Bill of Materials - Price List.

SYSTEM ADMINISTRATION AND OTHER UTILITIES
Consolidation of Accounts - Tally vault - Security Control - Tally Audit - Back up and Restore - Split company Data - Export and Import of Data - ODBC Compliance.

POINT OF SALES : Predetermination of Invoice - Multi payment Modes - Small & Smart Bills - POS Sales Register.

MULTI LANGUAGE : Supporting OS - Translation or Transliteration - System & Phonetic Keyboard - Sourcing from other Software.

GOODS & SERVICE TAX (GST) : Accounting of Purchase or Sales returns - Inter State Trade Accounting - Accounting of Exempted Items - Accounting Purchases from Unregistered Dealers - Accounting Input Credit on Capital Goods - GST Computation & Forms.

TDS & TCS : Entry - Calculator - Reports - e Returns.

PAYROLL : Introduction to Payroll - Configuring Tally for Payroll - Creation of Payroll Masters - Recording of attendance - Preparation of Payroll Vouchers based on attendance - Preparation of a Salary Disbursement Voucher - Payroll Reports (Pay slip, Pay Sheet, Payroll Statement, Payment Advice, Payroll Register, Attendance Sheet, Attendance Register) - Introduction to Provident Fund.

ADD-ON FEATURES : WhatsApp Connect - Import from Excel - Dashboard.

PROJECT

With our guidance, students will develop Financial Accounting System, Inventory control, etc.

CHATGPT

ChatGPT is a free-to-use AI system. Use it for engaging conversations, gain insights, automate tasks, and witness the future of AI, all in one place.

Microsoft Office | TallyPrime | ChatGPT

DCA

Diploma in Computer Application (Programming)

225 Hrs

OBJECTIVE

Upon completion of this course the participant will have a thorough knowledge in Microsoft Office suite and can create application using object oriented concept.

TARGET AUDIENCE

School Final / Diploma / B.Sc. / M.Sc. / BCA / MCA / Engineering Student

PREREQUISITES

No prior Computer knowledge is required.

OVERVIEW

This course provides the participant the knowledge of programming which is the basic requirement of any student to enter into the world of computer.

COURSE COVERAGE

END-USER APPLICATION

WINDOWS

Computer Fundamentals - Introduction to OS/GUI Wordpad - Notepad - Paintbrush - Windows Explorer - Control Panel.

MS OFFICE

Word Creating Text and Documents - Indexes and Tables - Embedding Picture - Table Manipulation - Mail Merge - Macro.

Excel Formatting Cells - Charts - Pivot table - Data Table - Forms - Scenarios - Goal seek - Macros and Modules.

PowerPoint Creating Presentations - OLE - Enhancing Presentation - Adding Audio & Video - Special Effects.

INTERNET

Introduction to Internet, www, http & E-mail - Creating E-mail ID - Receiving & Sending E-mail - Chatting - Locating Information - Downloading.

PROGRAMMING TOOL

ELECTIVE - I

"C" LANGUAGE

Data Types - Operators - Expressions - Conditional Compilation - Looping & Branching - Arrays - Functions - Storage Classes - Structures and Unions - Pointers - Dynamic Memory Allocation - File Handling - Linked Lists - Double Linked List - Circular Linked List -Bit Manipulation -Introduction to Data Structure.

OOPS Using C++

Introduction to OOPS -Input & Output Streams - Classes & Objects - Member Functions - Function Overloading - Friend Functions & Classes - Operator Overloading - Constructor & Destructor - Inheritance - Polymorphism - File handling using Stream Classes- Instance- Templates.

PROJECT Development of System / Graphical Utility.

ELECTIVE - I I

PYTHON

Introduction to Python - History - Features - Working with Python - Basic Syntax - Variable and Data Types – Operator and Expressions - Conditional Statements - If - If- else - Nested if-else – Looping – For - While - Nested loops - Control Statements - Break - Continue – Pass - String Manipulation - Accessing Strings - Basic Operations - String slices - Function and Methods – Lists - Introduction - Accessing list - Operations - Working with lists - Function and Methods – Tuple - Introduction -Accessing tuples - Operations - Working - Functions and Methods – Dictionaries - Introduction - Accessing values in dictionaries - Working with dictionaries - Properties – Functions - Defining a function - Calling a function - Types of functions - Function Arguments - Anonymous functions - Global and local variables – Modules - Importing module - Math module - Random module - Packages – Composition - Input-Output - Printing on screen - Reading data from keyboard - Opening and closing file - Reading and writing files – Functions - Exception Handling - Exception - Except clause - OOPs concept - Class and object - Attributes - Inheritance - Overloading - Overriding - Data hiding – Polymorphism – Data Structure.

ADVANCED PYTHON PROGRAMMING

- MySQL Database Access
- GUI Programming (Tkinter)
- Image Processing in Python with Pillow & OPENCV
- Web Scraping

PROJECT

Using Python students will develop web development, data science, desktop applications, and more.

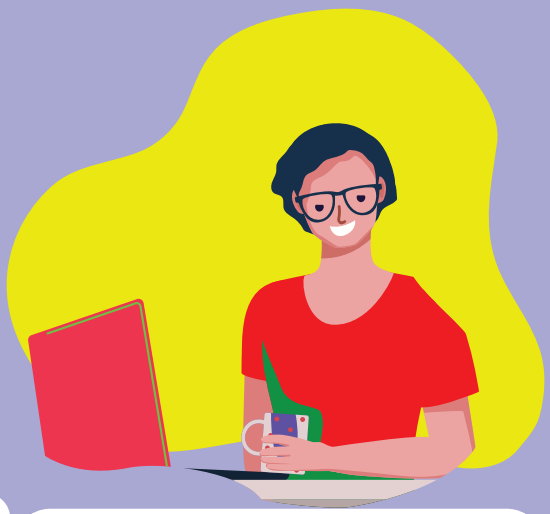
CHATGPT

ChatGPT is a free-to-use AI system. Use it for engaging conversations, gain insights, automate tasks, and witness the future of AI, all in one place.

DCC

Diploma in Cloud Computing

150 Hrs



OBJECTIVE

This Course Provides a Comprehensive Understanding of Cloud Computing, Covering key Concepts, Benefits, Service Models (IaaS, PaaS, SaaS), and real-world Applications. Participants will gain hands-on experience in Data Processing, Storage, and Analytics, Preparing them for Practical Cloud-Based Solutions.

TARGET AUDIENCE

Individuals with a Bachelor's Degree in IT or a related field.

PREREQUISITES

Basic knowledge of Computer architecture, Networking, Programming, Operating systems, Databases, Security, and Privacy.

OVERVIEW

Learners will explore fundamental cloud computing concepts, standard cloud services, clustering, storage, and deployment. By the end of the course, you'll have a strong foundation for further cloud computing studies and to work with cloud-based solutions effectively.architecture.

COURSE COVERAGE

1. INTRODUCTION TO CLOUD COMPUTING

BASICS OF CLOUD COMPUTING

- Cloud Computing Concepts: IaaS, PaaS, SaaS, Public, Private, Hybrid Clouds
- Benefits and Challenges: Scalability, Cost Efficiency, Flexibility, Security, Data Management

2. HADOOP ECOSYSTEM

HADOOP OVERVIEW

- Introduction to Hadoop: History and Evolution, Components.
- Architecture: HDFS, YARN, MapReduce

HDFS

- Architecture: HDFS Nodes, Block Storage
- File Operations: Commands and Management

MAPREDUCE

- Programming Model: Mapper and Reducer, Job Configuration
- Writing Jobs: Development and Testing

HADOOP INSTALLATION & CONFIGURATION

- Setting Up a Hadoop Cluster: Installation Steps, Basic Configuration
- Cluster Management: Daemon Management

DATA INGESTION WITH HADOOP

- Flume: Setup and Usage
- Sqoop: Data Import/Export Commands

HADOOP ECOSYSTEM TOOLS

- Apache Pig: Pig Latin Basics
- Apache Oozie: Workflow Scheduling

3. APACHE SPARK

SPARK OVERVIEW

- Introduction: History and Components, Architecture
- RDDs, DataFrames, Datasets

SPARK INSTALLATION & CONFIGURATION

- Setup: Installation Process

CORE SPARK COMPONENTS

- Spark SQL: Basics
- Spark Streaming: Real-time Processing
- Spark MLlib: Machine Learning

SPARK PROGRAMMING

- Development: Writing Applications in Python, Scala, Java
- Data Processing: DataFrames and RDDs

PERFORMANCE TUNING

- Optimizing Jobs: Metrics and Tools
- Resource Management: Configuration

4. APACHE HIVE

HIVE OVERVIEW

- Introduction: Architecture and Hive Metastore

HIVE QUERY LANGUAGE

- Basic Operations: DDL and DML Statements
- Advanced Queries: Joins and Aggregations

HIVE CONFIGURATION

- Setup: Configuration and Integration with Hadoop

ADVANCED HIVE FEATURES

- UDFs: User-Defined Functions
- Partitions and Bucketing: Optimization Techniques

5. OPEN-SOURCE TOOLS

NOSQL DATABASES

- HBase Overview: Architecture and Operations
- Integration with Hadoop: Data Management

CONTAINERIZATION

- Docker Basics: Container Management
- Kubernetes Overview: Orchestration Basics

ADAD

Advanced Diploma in
Artificial Intelligence & Data Science

150 Hrs

OBJECTIVE

The objective of this course is to provide participants with comprehensive understanding of Artificial Intelligence (AI) and Data Science concepts, tools, and techniques. The course aims to empower learners to apply these skills to solve real-world problems and make data-driven decisions.

TARGET AUDIENCE

School Final / Diploma / B.Sc / B.C.A / M.Sc / M.C.A / Engineering Students

PREREQUISITES

Participants should have a very basic understanding of any of the programming languages is beneficial but not mandatory.

OVERVIEW

Participants will gain hands-on experience with popular tools and frameworks such as TensorFlow and scikit-learn. Through a combination of theoretical knowledge and practical exercises, learners will develop the skills necessary to excel in the dynamic fields of AI and Data Science.

COURSE COVERAGE

LANGUAGE SKILLS

PYTHON

Basic syntax and data types - Control flow - Functions and modules - File handling - Exception handling - List comprehensions and lambda functions - Object-oriented programming (OOP) concepts

DATA MANAGEMENT

MySQL

Creating and modifying tables - Data manipulation (INSERT, UPDATE, DELETE) - Querying databases (SELECT, JOIN, GROUP BY) - Aggregation functions (SUM, AVG, COUNT) – JOIN and Subquerie.

MongoDB

Introduction to NoSQL databases – CRUD operations – Data Indexing & Aggregation – Working with Unstructured Data

DATA WRANGLING

NUMPY

Arrays and array operations - Indexing and slicing - Mathematical functions - Linear algebra operations - Random module - Broadcasting.

PANDAS

Series and DataFrame - Indexing and selecting data - Data cleaning and manipulation - Merging and joining data - Grouping and aggregating data - Handling missing data - Time series data

DATA VISUALIZATION

MATPLOTLIB

Basic plotting (line plots, scatter plots, bar plots) - Customizing plots (labels, titles, legends) - Multiple subplots - Histograms and box plots - 3D plotting.

MACHINE LEARNING

SCIKIT-LEARN

Data preprocessing - Model selection and evaluation - Supervised learning algorithms (e.g., regression, classification) - Unsupervised learning algorithms (e.g., clustering, dimensionality reduction) - Pipelines

DEEP LEARNING

TENSORFLOW & KERAS

Basics of neural networks –CNN – RNN – NLP - Building and training simple models - Layers and activation functions - Loss functions and optimizers - Model evaluation and validation - Transfer learning.

CODE MANAGEMENT

GIT

Setting up a GIT repository - Version Control - Branching & Merging – Collaboration.

NumPy pandas scikit learn TensorFlow

ADDA

Advanced Diploma in Data Analytics

150 Hrs

OBJECTIVE

The objective of this Data Analytics and Visualization course is to provide participants with a solid foundation in data analytics. The course aims to equip learners with the skills needed to efficiently analyze and visualize data for effective decision-making

TARGET AUDIENCE

Diploma / Any Graduate.

PREREQUISITES

No prior coding experience is required.

OVERVIEW

Through hands-on exercises and practical examples, participants will develop a versatile skill set for data analytics and reporting.

COURSE COVERAGE

DATA MANAGEMENT

EXCEL

Introduction – Formatting Worksheet – Conditional formatting - Pivot tables and charts - Formulas and functions (VLOOKUP, INDEX-MATCH, SUMIF, etc.) -Data cleaning and transformation -Data validation and sorting – Macros - Excel VBA and User Forms – Connect with External Data – Creating an Automation Project

MySQL

Creating and modifying tables - Data manipulation (INSERT, UPDATE, DELETE) - Querying databases (SELECT, JOIN, GROUP BY) - Aggregation functions (SUM, AVG, COUNT) – JOIN and Subquerie.

MongoDB

Introduction to NoSQL databases – CRUD operations – Data Indexing & Aggregation – Working with Unstructured Data

DATA VISUALIZATION

MATPLOTLIB

Basic plotting (line plots, scatter plots, bar plots) - Customizing plots (labels, titles, legends) - Multiple subplots - Histograms and box plots - 3D plotting.

POWER BI

Connecting to data sources- Data transformation and cleaning - Building visualizations charts, tables, maps) - Creating dashboards - Applying filters and slicers - Implementing advanced analytics in Power BI.

LANGUAGE SKILLS

PYTHON

Basic syntax and data types - Control flow - Functions and modules - File handling - Exception handling - List comprehensions and lambda functions - Object-oriented programming (OOP) concepts.

DATA WRANGLING

NUMPY

Arrays and array operations - Indexing and slicing - Mathematical functions - Linear algebra operations - Random module - Broadcasting.

PANDAS

Series and DataFrame - Indexing and selecting data - Data cleaning and manipulation - Merging and joining data - Grouping and aggregating data - Handling missing data - Time series data.

CODE MANAGEMENT

GIT

Setting up a GIT repository - Version Control - Branching & Merging – Collaboration.

NumPy pandas Power BI matplotlib

DBDA

Diploma in Big Data Analytics

150 Hrs

OBJECTIVE

This Course Focuses on Acquiring Skills to Collect, Store, Process, and Analyze large Datasets, Using Specialized Tools to Extract Insights and Make Strategic Business Decisions.

TARGET AUDIENCE

Software Engineers, Professionals, Project Managers, Graduates, Undergraduates, and Career Changers Interested in Big Data.

PREREQUISITES

Database Knowledge, Programming Skills, and Analytical Problem-Solving Abilities.

OVERVIEW

The course covers big data management and analysis, including data storage (Hadoop Distributed File System), processing frameworks (Apache Spark), data manipulation (SQL), and data visualization.

COURSE COVERAGE

1. BIG DATA ANALYTICS

What is Big Data? Characteristics (Volume, Velocity, Variety, Veracity, Value) - Importance and Applications of Big Data Analytics Introduction to Big Data Ecosystem and Tools

DATA COLLECTION AND DATA WAREHOUSING

Data Sources and Types (Structured, Semi-Structured, Unstructured)

Introduction to Data Warehousing

Tools and Techniques for Data Collection

2. PYTHON FOR DATA ANALYSIS

PYTHON BASICS

Variables, Data Types, Loops, Functions, OOP

NUMPY

Arrays and array operations - Indexing and slicing - Mathematical functions - Linear algebra operations - Random module - Broadcasting.

PANDAS

Series and DataFrame - Indexing and selecting data - Data cleaning and manipulation - Merging and joining data - Grouping and aggregating data - Handling missing data - Time series data.

MATPLOTLIB

Basic plotting (line plots, scatter plots, bar plots) - Customizing plots (labels, titles, legends) - Multiple subplots - Histograms and box plots - 3D plotting.

3. HADOOP

INTRODUCTION TO HADOOP

Overview of Hadoop and HDFS

Introduction to MapReduce

Installing and setting up Hadoop

Understanding YARN and its role in Hadoop

4. APACHE SPARK

INTRODUCTION TO SPARK

Overview of Spark and its components (Spark Core, Spark SQL, Streaming, MLlib)

Comparison of Spark and Hadoop

Installing and setting up Spark

Spark Cluster Architecture and Execution Model

DATA ANALYSIS WITH SPARK

Data loading and processing with Spark

Data transformations and actions

Integrating Spark with Python

Working with Large-Scale Datasets in Spark

MACHINE LEARNING BASICS

Introduction to Machine Learning (Supervised vs. Unsupervised Learning)

Overview of Scikit-learn

Simple Algorithms: Linear Regression, Classification

BIG DATA VISUALIZATION

Tools and Libraries (Matplotlib, Plotly, Seaborn)

Creating interactive visualizations

ADCA

Advanced Diploma in Computer Application

225 Hrs

OBJECTIVE

This course aims to provide a comprehensive understanding of programming by leveraging the strengths of both Java and Python. Students will gain proficiency in core programming principles, including object-oriented programming, data structures, and algorithms, equipping them with the skills needed for various tech careers.

OVERVIEW

By learning both Java and Python, students can explore diverse career opportunities in Web Development, Data Science, Software Engineering and Mobile App Development.

TARGET AUDIENCE

Students, Career Changers, and Individuals looking to pursue a career in tech.

PREREQUISITES

No prior coding experience is required. This course is designed for beginners and covers fundamental concepts from the ground up.

COURSE COVERAGE

I. PROGRAMMING LANGUAGE

"C" LANGUAGE

Data Types - Operators - Expressions - Conditional Compilation - Looping & Branching - Arrays - Functions - Storage Classes - Structures and Unions - Pointers - Dynamic Memory Allocation - File Handling - Linked Lists - Double Linked List - Circular Linked List - Bit Manipulation - Introduction to Data Structure.

OOPS USING C++

Introduction to OOPS - Input & Output Streams - Classes & Objects - Member Functions - Function Overloading - Friend Functions & Classes - Operator Overloading - Constructor & Destructor - Inheritance - Polymorphism - File handling using Stream Classes - Instance - Templates.

JAVA

Data Types - Arrays - Functions - Classes - Methods - Inheritance - Polymorphism - Interfaces -Packages - Garbage Collection - Exception Handling - Data Structures - Collection - Generics - File Streams - Serialization - Multi Threading - Networking - Socket Programming - JDBC - JFC / Swing.

PYTHON

Introduction to Python - History - Features - Working with Python - Basic Syntax - Variable and Data Types – Operator and Expressions - Conditional Statements - If - If- else - Nested if-else – Looping – For - While - Nested loops - Control Statements - Break - Continue – Pass - String Manipulation - Accessing Strings - Basic Operations - String slices - Function and Methods – Lists - Introduction - Accessing list - Operations - Working with lists - Function and Methods – Tuple - Introduction -Accessing tuples - Operations - Working - Functions and Methods – Dictionaries - Introduction - Accessing values in dictionaries - Working with dictionaries - Properties – Functions - Defining a function - Calling a function - Types of functions - Function Arguments - Anonymous functions - Global and local variables – Modules - Importing module - Math module - Random module - Packages – Composition - Input-Output - Printing on screen - Reading data from keyboard - Opening and closing file - Reading and writing files – Functions - Exception Handling - Exception - Except clause - OOPs concept - Class and object - Attributes - Inheritance - Overloading - Overriding - Data hiding – Polymorphism – Data Structure.

ADVANCED PYTHON PROGRAMMING

- MySQL Database Access
- GUI Programming (Tkinter)
- Image Processing in Python with Pillow & OPENCV
- Web Scraping

PROJECT

Students will develop projects such as a Calculator App, To-Do List Application, Student Management System, Number Guessing Game, Chat Application, Online Quiz System, Expense Tracker and more using Java or Python.

DMO

Diploma in MS-Office

75 Hrs

OBJECTIVE

Upon completion of this course, the participant will be an expert in using all Windows products and surfing the internet.

TARGET AUDIENCE

House Wife / Elders, Professionals, Executives, Secretaries and students.

OVERVIEW

This course is a complete office suite preparing documentations, making graphs, displaying statistics, giving presentations using the MS-Office package and will enable the participants to handle any office work independently using computers.

COURSE COVERAGE

WINDOWS

Computer Fundamentals - Introduction to OS/GUI - Wordpad - Notepad - Paintbrush - Windows Explorer - Control Panel.

MS-OFFICE

Word Creating Text and Documents - Indexes & Tables - Embedding Picture - Table Manipulation - Mail Merge - Macro.

Excel Formatting Cells - Charts - Pivot Table - Data Table - Forms - Scenarios - Goal seek - Macros and modules.

PowerPoint Creating Presentations - OLE - Enhancing Presentation - Adding Audio & Video - Special Effects.

INTERNET

Creating E-mail ID - Receiving & Sending E-mail - Chatting - Locating Information - Downloading.

CASE STUDY

A case study reflecting a real-time situation would be given to the students, so that it gives confidence for them to manage any office work independently using computers.

CCAE

Certificate Course in Advanced Excel

75 Hrs

OBJECTIVE

Upon completion of this course, the participant will be an expert in advanced Excel features including macro programming and functions.

TARGET AUDIENCE

BBA, MBA Students, Data Analyst, Auditor, BPOs, Call centres professionals, Data conversion technicians, Programmers.

OVERVIEW

This course helps in promoting Excel professionals in advanced stage.

COURSE COVERAGE

ADVANCED EXCEL

Introduction to MS Excel and Understanding Basic Working with it - Formatting Worksheet - Working with Formulas/Functions (Lookup and Reference Functions, Logical Function, Database Functions, Date and Time Functions, Information Functions, Math and Trigonometry Functions, Statistical Functions, Text Functions) - Conditional Formatting - Connect to other Database - Data Sorting and Filtering - Pivot Tables& Charts.

VBA PROGRAMMING

VBA Overview - VBA Programming Variables - Conditional Logic - String and String Functions - Programming Loops - Programming Arrays - Subs and Functions - Creating your first Macro - Excel VBA - Excel Objects - Excel Events - Excel VBA Error Handling - Excel VBA and User forms - Connect with an external data - Work on automation project.

ADPP

Advanced Diploma in Python Programming

150 Hrs

OBJECTIVE

Upon completion of this course, the participant will be in a position to create components for the net and integrate them.

TARGET AUDIENCE

Diploma / Graduates / Engineering Students.

PREREQUISITES

Basic knowledge of Computing.

OVERVIEW

This course enables you with skills to do effective programming for internet applications. It teaches you advanced programming techniques for the internet.

COURSE COVERAGE

"C" LANGUAGE

Data Types - Operators - Expressions - Conditional Compilation - Looping & Branching - Arrays - Functions - Storage Classes - Structures and Unions - Pointers - Dynamic Memory Allocation - File Handling - Linked Lists - Double Linked List - Circular Linked List - Bit Manipulation- Introduction to Data Structure.

OOPS USING C++

Introduction to OOPS - Input & Output Streams - Classes & Objects - Member Functions - Function Overloading - Friend Functions & Classes - Operator Overloading - Constructor & Destructor - Inheritance - Polymorphism - File handling using Stream Classes-Instance - Templates.

PYTHON

Introduction to Python - History - Features - Working with Python - Basic Syntax - Variable and Data Types – Operator and Expressions - Conditional Statements - If - If- else - Nested if-else – Looping – For - While - Nested loops - Control Statements - Break - Continue – Pass - String Manipulation - Accessing Strings - Basic Operations - String slices - Function and Methods – Lists - Introduction - Accessing list - Operations - Working with lists - Function and Methods – Tuple - Introduction -Accessing tuples - Operations - Working - Functions and Methods – Dictionaries - Introduction - Accessing values in dictionaries - Working with dictionaries - Properties – Functions - Defining a function - Calling a function - Types of functions - Function Arguments - Anonymous functions - Global and local variables – Modules - Importing module - Math module - Random module - Packages – Composition - Input-Output - Printing on screen - Reading data from keyboard - Opening and closing file - Reading and writing files – Functions - Exception Handling - Exception - Except clause - OOPs concept - Class and object - Attributes - Inheritance - Overloading - Overriding - Data hiding – Polymorphism – Data Structure.

ADVANCED PYTHON PROGRAMMING

- MySQL Database Access
- GUI Programming (Tkinter)
- Image Processing in Python with Pillow & OPENCV
- Web Scraping

ADJP

Advanced Diploma in Java Programming

150 Hrs

OBJECTIVE

Upon completion of this course, the participant will be in a position to create components for the net and integrate them.

TARGET AUDIENCE

Diploma / Graduates / Engineering Students.

PREREQUISITES

Basic knowledge of Computing.

OVERVIEW

This course enables you with skills to do effective programming for internet applications. It teaches you advanced programming techniques for the internet.

COURSE COVERAGE

"C" LANGUAGE

Data Types - Operators - Expressions - Conditional Compilation - Looping & Branching - Arrays - Functions - Storage Classes - Structures and Unions - Pointers - Dynamic Memory Allocation - File Handling - Linked Lists - Double Linked List - Circular Linked List - Bit Manipulation- Introduction to Data Structure.

OOPS USING C++

Introduction to OOPS - Input & Output Streams - Classes & Objects - Member Functions - Function Overloading - Friend Functions & Classes - Operator Overloading - Constructor & Destructor - Inheritance - Polymorphism - File handling using Stream Classes-Instance - Templates.

HTML Tags - Links - Anchors - Adding Pictures - Lists - Tables - Frames - Forms - Menu Controls.

CSS3

Syntax - Id, Class, Tag Styling - Using Text - Fonts - Links - Lists and Tables - Box Model - Text Effects - Transition - Animations.

JAVA

Data Types - Arrays - Functions - Classes - Methods - Inheritance - Polymorphism - Interfaces -Packages - Garbage Collection - Exception Handling - Data Structures - Collection - Generics - File Streams - Serialization - Multi Threading - Networking - Socket Programming - JDBC - JFC / Swing.

PROJECT

Students will develop web based applications like online reservation, Online share trading, live website, etc., and will be in a position to create java components for the internet.

TallyPrime

Certified Computer Accountant (CCA)

115 Hrs

Facts To Learn Tally in CSC

- Trained more than 2.50 lakhs Tally students.
- Well structured Course Material with Exercise and Example.
- Live stimulated Accounting Management Projects.
- First ever Institute to teach TallyPrime with GST along with projects.

OBJECTIVE

Upon completion of this course the candidate will get exposed to all features of TallyPrime and to cater financial needs of any business organization.

TARGET AUDIENCE

B.Com., M.Com., BCA., BCS., ICWA, CA, ACS, CFA, MBA, Accounting professional and +2 Students.

PREREQUISITES

Basic knowledge in Accounting.

OVERVIEW

This course extensively covers TallyPrime with Live examples based on industrial verticles.

COURSE COVERAGE

INTRODUCTION TO TallyPrime

Principles of Accounting – 5 Steps - Maintaining Company Data - F11 Features, F12 Configure.

MASTERS

Group-Ledger-Chart of accounts-Stock Group-Stock Category-Unit of measurement-Godown-Stock Item.

TALLY VOUCHERS

Accounting, Inventory Vouchers.

REPORTS

Balance Sheet - P & L A/c - Ratio Analysis - Cash Flow, Fund flow Statements - Ageing Analysis - Movement Analysis.

ADVANCED ACCOUNTING

Bill wise Details - Cost Centres and Cost Categories - Voucher Classes and Cost centre Classes - Multiple Currencies - Bank reconcilliation - Interest Calculation - Budgets & Scenario - Job Costing.

ADVANCED INVENTORY

Order Processing - Reorder Levels - Tracking Numbers - Batch wise Details - Additional cost Details - Bill of Materials - Price List.

SYSTEM ADMINISTRATION AND OTHER UTILITIES

Consolidation of Accounts - Tally vault - Security Control - Tally Audit - Back up and Restore - Split company Data - Export and Import of Data - ODBC Compliance.

POINT OF SALES

Predetermination of Invoice - Multi payment Modes - Small & Smart Bills - POS Sales Register.

MULTI LANGUAGE

Supporting OS - Translation or Transliteration - System & Phonetic Keyboard - Sourcing from other Software.

GOODS & SERVICE TAX (GST)

Accounting of Purchase or Sales returns - Inter State Trade Accounting - Accounting of Exempted Items - Accounting Purchases from Unregistered Dealers - Accounting Input Credit on Capital Goods - GST Computation & Forms.

TDS & TCS

Entry - Calculator - Reports - e Returns.

PAYROLL

Introduction to Payroll - Configuring Tally for Payroll - Creation of Payroll Masters - Recording of attendance - Preparation of Payroll Vouchers based on attendance - Preparation of a Salary Disbursement Voucher - Payroll Reports (Pay slip, Pay Sheet, Payroll Statement, Payment Advice, Payroll Register, Attendance Sheet, Attendance Register) - Introduction to Provident Fund.

ADD-ON FEATURES

WhatsApp Connect - Import from Excel - Dashboard.

PROJECT

Live simulated projects are given to students.

TallyPrime

CELEBRATING 40TH YEAR OF SERVICING STUDENTS COMMUNITY IN COMPUTER TRAINING

40 years of continuous and uncompromised quality Computer Education at affordable cost. CSC is the one and only institute in the IT training industry to have completed 40 years. So far 50 lakhs Students are benefitted through CSC Brand.

CURRICULUM DESIGN AND DEVELOPMENT

The curriculum has been designed by the ISO 9001 : 2015 certified committee with meticulous care, taking valuable inputs from Industries, Customers and Academia, which helps the students to easily shift to other computer platforms depending on the industrial needs from time to time.

CREDENTIALS OF CSC COMPUTER EDUCATION

- An alumnus base of over 50 Lakhs students.
- 1,00,000 students are trained every year.
- ISO 9001: 2015 certified curiculum design and development process.
- Trained 1,00,000 Government officials
  TAHDCO BSNL ITCOT ICDS MoRD TAMCO BC & MBC Welfare Dept. SJSRY TNEB Indian Bank Health Care Dept Magalir Thittam, Revenue & Survey Dept
- Center in the vicinity of every 15 kms.
- Project based training.
- Well structured course material.
- Experienced & Knowledgeable faculties.
- Unlimited computer lab timing.

EDUCATIONAL PARTNERS

- Tally India Pvt Ltd
- IBT Institute Pvt Ltd (Bank / SSC / Railways / TNPSC Coaching)
- Speak Easy English Training (P) Ltd.

CSC
COMPUTER SOFTWARE COLLEGE
An ISO 9001 : 2015 Certified Institution

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