



COMPUTER SOFTWARE COLLEGE  
An ISO 9001 : 2015 Certified Institution



# PROSPECTUS



1986  
Journey Begins



1992  
25  
Centers



2000  
100  
Centers



2006  
200  
Centers



2015  
350  
Centers



**1** LAKH  
STUDENTS  
Trained  
every year



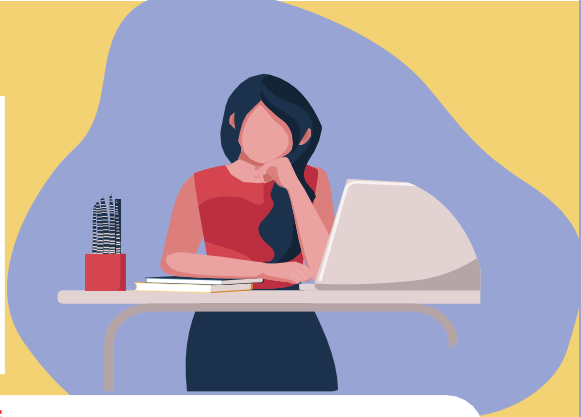
2023  
Marching  
Ahead with  
450+  
Centers



# DCA

# Tally

## Diploma in Computer Application



### 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

#### 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.

#### 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 & LA/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 reconciliation - 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.

#### PROJECT

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

# DCA PROGRAMMING

## Diploma in Computer Application



### 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 - II

##### 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.



# ADPP

## Advanced Diploma in Python Programming



### 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



### 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.

# DFJD

## Diploma in Full Stack Java Developer

## 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

### CoreJAVA

Data Types - Arrays - Classes - Inheritance - Polymorphism  
- Abstraction - Packages - Exception - File Streams.

## 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 FRAME WORK

### 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.



#### 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

#### 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.

## 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 FRAME WORK

### 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.



# HDFD

## Honours Diploma in Full Stack Developer



### 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 PROGRAMMING

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.

#### C++ PROGRAMMING

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.

#### SUN 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 PROGRAMMING

Introduction - Conditional Statements - Looping - Control Statements - String Manipulation - Lists - Tuple - Dictionaries - Functions - Modules - Input/Output - Exception Han-

dling - 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 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 FRAME WORK

#### 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.



#### OBJECTIVE

Upon completion of the course, you will be in a position to develop efficient and user-friendly applications.



#### TARGET AUDIENCE

+2 / Graduate / Undergraduate interested in pursuing a career in Web Programming.



#### PREREQUISITES

No programming experience is required, but a basic understanding of HTML will be helpful.



#### OVERVIEW

PHP, as a scripting language has been very popular due to its simplicity, speed and scalability. There are a number of PHP frameworks that help make this language easier to adopt and among the most popular of these is Laravel- widely adopted due to its simple and elegant syntax that eases the development process and simplifies routing, authentication, caching through built-in templates, libraries and MVC architecture.

### COURSE COVERAGE

#### I. 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.

### II. 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.

### III. SCRIPTING LANGUAGE & FRAME WORK

#### PHP

PHP Basics - Syntax, Data Types, Variables, Constants, Operators and Expressions, Control Structures-Functions -Returning Values, Variable Scope - Arrays - Operations, Iteration, Sorting Array - Security - Formatting and Manipulating Strings with PHP - Web Programming - Forms and URLs, HTTP Headers, Sessions - Session Security - Using Date and Time Function - Working with Forms.

#### LARAVEL

Getting Started – Routing – Controllers – Forms & Request – Views – Redirection – Session & Cookie – Database – Authentication – Eloquent ORM – Rest API CRUD.

# HDCA Tally

## Honours Diploma in Computer Application



- 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 - 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. 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 reconciliation - 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.

### 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.

# HDCA

## PROGRAMMING

Honours Diploma in  
Computer Application



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



### 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.



### 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.

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#### 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 - 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 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.



# .NET

## Diploma in .Net



### OBJECTIVE

At the end of this course the candidate will acquire a deep knowledge in programming, object oriented model, WEB Programming and the enterprise application development.



### TARGET AUDIENCE

A fresh graduate engineer, MCA, M.Sc., B.Sc., BCA, Software professional.



### PREREQUISITES

Basic Programming knowledge is required.



### OVERVIEW

This course is designed to create a new tool in the Software Development using object oriented environment, which will step into the normal programming, Web Technology and the enterprise application. This course is for those who want to become a Software Developer in profession.

## COURSE COVERAGE

### Programming in C#

OOPS concepts – The .NET Framework - Methods and control statements – Arrays – Constructors, Destructors – Polymorphism – Inheritance and Interfaces – Exception Handling – Structures and Properties – File Input/ Output – Multithreading Applications – Delegates - Collection and Generics.

### VB.NET

Intro to Visual Studio IDE – Fundamentals of VB.NET – Functions, Procedures and Properties – Advanced Features of VB.NET – Windows Forms and Controls – MDI Forms and Implementing Help Systems – Working with Dialog Boxes – Printing in Windows Forms – Accessing Data – Introduction to LINQ – Crystal Reports – Globalization and Localization – Working with components and Assemblies – Deploying and Configuring Applications – Windows Presentation Foundation.

### ASP.NET

Intro to Visual Studio and ASP.NET – Creating a Website –

Working with HTML Controls, Web Server Controls, Validation Controls, DataSource Controls and Navigation Controls – Master Pages, Styles, Themes – State Management – Error and Exception Handling – Data Access –XML – User controls and Custom Controls – Caching Techniques and Globalization – Security – Membership and Profiles – Deploying Applications – AJAX – ASP.NET Web parts – Silverlight.

### ADO.NET

Introduction to Database - DML - DCL - Data Centric Applications and ADO.NET - Connecting to Data Sources - Performing Connected Database Operations - Building DataSets - Reading and Writing XML with ADO.NET, Building DataSets from Existing Data Sources.

### PROJECT

Students will develop web based applications like online reservation, Online share trading, live website, etc. Academic project done in this course can be used as final year college project.

# ADJP

## Advanced Diploma in Java Programming



### 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.

### SUN 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.

# MDSA

## Master Diploma in System Administration



### OBJECTIVE



Upon completion of this course one can obtain confidently international certification like A+, N+. Immediately after finishing this course you can be mastered with Hardware & System Administration in Networking.

### TARGET AUDIENCE



Candidates with minimum 10th, Diploma, Degree in Engineering, MCA / BCA or any software professional or Technician in electronics.

### PREREQUISITES



No prior Computer knowledge is required.

### OVERVIEW



Hardware & Networking Course is taught from scratch to subject in detail.

## COURSE COVERAGE

### HARDWARE (A+)

Introduction to Computers - System familiarization - Software classification - Commands - Details about Processor & Mother board - BIOS setup - Storage device (primary & secondary) - Virus & antivirus - About Power Section - Assembling - Installation of OS - OS properties - About Input & Output Devices - Troubleshooting tips.

### NETWORKING (N+)

Introduction to networks - Network essentials - Network Topology - Connecting devices - OSI model - TCP/IP Overview - Installation of OS (Windows) & NOS (Windows Server) - Connectivity and resource sharing - Remote tools - DHCP server configuration - File system & Disk management - Troubleshooting tips.

### Windows Server

Deploying and managing Windows server - Introduction to active directory domain services - Managing Active Directory Domain Services objects - Implementing IPV4 - Implementing dynamic host configuration protocol - Implementing domain name system - Implementing local storage - Implementing file and print services - Implementing group policy - Implementing server virtualization with hyper - Hyper-V - Implementing Windows Deployment Service.

# ADCHN

2 Months Rs.24,500/-





## 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.



### 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.

**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.



## 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.



### 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.

### 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.

# TallyPrime

Certified Computer  
Accountant (CCA)



Tally

## Facts To Learn Tally in CSC

- Trained more than 2 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 vehicles.

## 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 reconciliation - 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.

### PROJECT

Live simulated projects are given to students.

**37**  
YEAR  
ANNIVERSARY

## CELEBRATING 37<sup>TH</sup> YEAR OF SERVICING STUDENTS COMMUNITY IN COMPUTER TRAINING

37 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 37 years. So far 42 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 40 Lakhs students.
- 1,00,000 students are trained every year.
- ISO 9001: 2015 certified curriculum 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.



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