



**Sai College®**

**PROGRAMME & COURSE OUTCOMES**

**OF**

**POST GRADUATE DIPLOMA IN COMPUTER APPLICATION**

**(PGDCA)**

**VISION**

To empower the graduates to be technologically adept, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a center of excellence in providing globally standard education, through a conducive Teaching and Learning environment, that responds swiftly to the challenges of the ever-changing world.

**MISSION**

- To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogies and hands on experience on latest tools and technologies.
- To prepare students to be continuous learners in a connected world and imbibe professional skills and ethical responsibilities in them. To strengthen the Industry-Academia interface that will help the graduates to emerge as leaders in academics or an inspiring revolutionary in entrepreneurship.

**COURSE OBJECTIVES**

**Demonstrate employability skills and a commitment to professionalism.** Operate a variety of advanced spreadsheet, operating system and word processing functions. Solve a range of problems using office productivity applications, and adapt quickly to new software releases.

**PGDCA – I<sup>st</sup> Semester**

Paper	Name of Paper
PGDCA 101	Introduction to Software Organisation
PGDCA 102	Programming in 'C' Language
PGDCA 103	Office Automation & Tally

### Course Outcomes

At the end of this course, a student will have developed ability to:

Paper	Name of Paper	Course Outcomes
<b>PGDCA 101</b>	Introduction to Software Organisation	<b>CO-1:</b> Understand about computers and their evolution with time. <b>CO-2:</b> Learn about basic organization of a computer system. <b>CO-3:</b> Understand the concept of computer software and their requirements. <b>CO -4:</b> Learn about programming concepts. <b>CO-5:</b> Understand about networking and connection of computers across the world.
<b>PGDCA 102</b>	Programming in 'C' Language	<b>CO-1:</b> Learn basics of programming in 'C' Language. <b>CO-2:</b> Learn to use control structures for repetitive execution of commands. <b>CO-3:</b> Learn to use functions and arrays for collection of data and modularization of programs. <b>CO-4:</b> Learn to use pointers for easily accessing data. <b>CO-5:</b> Learn to use structure and union to bind data in a single unit.
<b>PGDCA 103</b>	Office Automation & Tally	<b>CO -1:</b> Understanding about WINDOWS OS and desktop. <b>CO-2:</b> Learn to format a document using WORD and manipulate data using EXCEL. <b>CO-3:</b> Learn to create presentation using Power Point. <b>CO -4:</b> Learn to access and manipulate database using MS Access. <b>CO -5:</b> Learn to manage accounts using Tally Software.

**PGDCA – II<sup>nd</sup> Semester**

<b>Paper</b>	<b>Name of Paper</b>
<b>PGDCA 106</b>	Programming in Visual Basic
<b>PGDCA 107</b>	Database Management System
<b>PGDCA 108</b>	Essential of E-Commerce

**Course Outcomes**

<b>Paper</b>	<b>Name of Paper</b>	<b>Course Outcomes</b>
<b>PGDCA 106</b>	Programming in Visual Basic	<b>CO-1:</b> Understand about event driven programming and will create program using objects and controls. <b>CO-2:</b> Learn to use control instructions and program execution. <b>CO-3:</b> Learn using various controls and error debugging. <b>CO-4:</b> Learn to handle files and manipulate data using SQL <b>CO-5:</b> Learn to generate report of a project.
<b>PGDCA 107</b>	Database Management System	<b>CO-1:</b> Understanding about data, information, and its importance. <b>CO-2:</b> Learn to generalize and specialized data using ER diagrams. <b>CO-3:</b> Learn about relational model of data. <b>CO -4:</b> Understand about pitfalls in database design and their solutions. <b>CO-5:</b> Learn to manipulate data using Structured Query Language and provide security to data.
<b>PGDCA 108</b>	Essential of E-Commerce	<b>CO-1:</b> Understand E-Commerce, its emergence and overview. <b>CO-2:</b> Learn about securing E-Commerce business and its various models. <b>CO-3:</b> Learn the basic concepts of designing a website using HTML basic tags. <b>CO-4:</b> Learn to link different webpages and

		inserting images and details to webpages. <b>CO -5:</b> Understanding about search engines and downloading, uploading, and hosting websites.
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