

**P.K.R ARTS COLLEGE FOR WOMEN**  
(Accredited with 'A' Grade by NAAC)  
An Autonomous Institution – Affiliated to Bharathiar University  
Gobichettipalayam – 638476.

**POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS**  
Course Scheme and Scheme of Examinations (Regular Stream)  
(For students admitted from 2023-24& onwards)

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper I	Core : I	23PGDCA01	<b>INTRODUCTION TO INFORMATION TECHNOLOGY</b>	72	4

**Course Outcomes**

On the successful completion of the course, students will be able to

COs	Course Outcome	Knowledge Level (RBT)
<b>CO1</b>	Enumerate the concepts of computers, Ms-office and Internet Applications	<b>K1</b>
<b>CO2</b>	explain the process of computers and Ms-Office utilities	<b>K2</b>
<b>CO3</b>	Utilise the functions of different generation of computers and Ms-office functions with Internet options	<b>K3</b>
<b>CO4</b>	Infer the options of Utilities and characteristics of computers	<b>K4</b>
<b>CO5</b>	Elucidate Ms-Word, Ms-Excel, Ms-Powerpoint functions and operating system functions	<b>K5</b>
<b>CO6</b>	Design and develop real –time applications using Ms-Office	<b>K6</b>

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper - II	Core : II	23PGDCA02	<b>OPERATING SYSTEM</b>	72	4

### Course Outcomes

On the successful completion of the course, students will be able to

<b>Cos</b>	<b>Course Outcome</b>	<b>Knowledge Level (RBT)</b>
<b>CO1</b>	Recall the Operating System concepts	<b>K1</b>
<b>CO2</b>	Describe all functions of operating system and I/O Management	<b>K2</b>
<b>CO3</b>	Apply the operating system operations	<b>K3</b>
<b>CO4</b>	analyse I/O devices and files	<b>K4</b>
<b>CO5</b>	Judge types of operating systems and distributed systems	<b>K5</b>
<b>CO6</b>	Construct and discuss the function and process of operating system	<b>K6</b>

<b>Category</b>	<b>Course Type</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Contact Hours</b>	<b>Credit (C)</b>
Paper - III	Core : III	23PGDCA03	<b>PROGRAMMING IN C</b>	72	4

### Course Outcomes

On the successful completion of the course, students will be able to

<b>Cos</b>	<b>Course Outcome</b>	<b>Knowledge Level (RBT)</b>
<b>CO1</b>	Recall the concepts of C Language	<b>K1</b>
<b>CO2</b>	Explain operators, decision making statements and other programming concepts	<b>K2</b>
<b>CO3</b>	Illustrate all functions of C Language with programs	<b>K3</b>
<b>CO4</b>	Analyze the different concepts of C language with examples	<b>K4</b>
<b>CO5</b>	Find errors in programs in C language	<b>K5</b>
<b>CO6</b>	Develop and solve real time problems using C Programming language	<b>K6</b>

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper - IV	Core : IV	23PGDCA04	<b>OFFICE AUTOMATION – LAB</b>	72	4

**Objectives:** On successful completion of the course the students will understand the concepts of Ms-Office and expertise in using Internet Applications

Cos	Course Outcome	Knowledge Level (RBT)
<b>CO1</b>	Recall the concepts of Office Suite and Internet Applications	<b>K1</b>
<b>CO2</b>	Explain the Office utilities and accounting features	<b>K2</b>
<b>CO3</b>	Demonstrate the functions of office Suite with Internet options	<b>K3</b>
<b>CO4</b>	Categorize the Office utilities using programs	<b>K4</b>
<b>CO5</b>	Find errors in Word Processor, Spreadsheet and Presentation	<b>K5</b>
<b>CO6</b>	Construct real –time applications using Office Suite	<b>K6</b>

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper - V	Core : V	23PGDCA05	<b>PROGRAMMING IN C – LAB</b>	72	4

**Objectives:** On successful completion of the course the students will understand the concepts of C language and expertise in using C

Cos	Course Outcome	Knowledge Level (RBT)
<b>CO1</b>	Recall the concepts of C Language	<b>K1</b>
<b>CO2</b>	Explain operators, decision making statements and other programming concepts	<b>K2</b>

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<b>CO3</b>	Illustrate all functions of C Language with programs	<b>K3</b>
<b>CO4</b>	Analyze the different concepts of C language with examples	<b>K4</b>
<b>CO5</b>	Find errors in programs using C language	<b>K5</b>
<b>CO6</b>	Develop and solve real time problems using C structures and functions	<b>K6</b>

**SEMESTER – II**

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper -VI	Core : VI	23PGDCA06	<b>NETWORKING FUNDAMENTALS</b>	72	4

**Course Outcomes**

On the successful completion of the course, students will be able to

Cos	Course Outcome	Knowledge Level (RBT)
CO1	Outline the overview of OSI model and Layers	K1
CO2	Explain the concept of seven layers and its working	K2
CO3	Apply protocols and algorithms in appropriate layers	K3
CO4	Summarize the technical trends in of computer networking	K4
CO5	Evaluate the challenges in building networks and solutions	K5
CO6	Discuss the key technological components of the network	K6

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper- VII	Core : VII	23PGDCA07	<b>WEB TECHNOLOGY</b>	72	4

### Course Outcomes

On the successful completion of the course, students will be able to

Cos	Course Outcome	Knowledge Level (RBT)
CO1	Describe the concept of Internet applications and dealing with web designing languages	K1
CO2	Derive the structure of Web Architecture using HTML, XML and WAP	K2
CO3	Apply the HTML and XML tags to develop a web page	K3
CO4	Analyze the insight on dynamic web pages and other programming languages	K4
CO5	assess the needs of WAP and XML and how it differs from static web page	K5
CO6	Develop real time web applications using HTML and XML	K6

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper - VIII	Core : VIII	23PGDCA08	<b>RDBMS &amp; ORACLE</b>	72	4

### Course Outcomes

On the successful completion of the course, students will be able to

<b>Cos</b>	<b>Course Outcome</b>	<b>Knowledge Level (RBT)</b>
<b>CO1</b>	Remember the basic concepts of database system	<b>K1</b>
<b>CO2</b>	Describe the implementation concepts using syntax in relational database	<b>K2</b>
<b>CO3</b>	Demonstrate the DML statements and DDL statements	<b>K3</b>
<b>CO4</b>	Classify PL/SQL programs with different operations using Database syntaxes	<b>K4</b>
<b>CO5</b>	Summarize all PL/SQL statements with syntax	<b>K5</b>
<b>CO6</b>	Generalize the function of cursors and PL/ SQL statements	<b>K6</b>

<b>Category</b>	<b>Course Type</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Contact Hours</b>	<b>Credit (C)</b>
Paper- IX	Core : IX	<b>23PGDCA09</b>	<b>Networking and Web Programming – Lab</b>	72	4

**Objectives:** On successful completion of the course the students will be able to build system architecture and networking and web programming options.

<b>Cos</b>	<b>Course Outcome</b>	<b>Knowledge Level (RBT)</b>
<b>CO1</b>	identify the network commands, HTML commands	<b>K1</b>
<b>CO2</b>	Classify the network commands and HTML tags	<b>K2</b>
<b>CO3</b>	Apply different procedures to configure networks and illustrate web page commands	<b>K3</b>
<b>CO4</b>	Analyze the file information in network and background tags with images in HTML	<b>K4</b>

<b>CO5</b>	Compare the network commands in different networks and find errors in HTML tags	<b>K5</b>
<b>CO6</b>	Construct HTML procedures for webpage creation and configure different types of networks	<b>K6</b>

Category	Course Type	Course Code	Course Title	Contact Hours	Credit (C)
Paper - X	Core : X	23PGDCA10	<b>RDBMS &amp; Oracle – Lab</b>	72	4

**Objectives:** On successful completion of the course the students will be able to build real world applications using PL/SQL and Oracle

Cos	Course Outcome	Knowledge Level (RBT)
<b>CO1</b>	Recall the basic concepts of database system	<b>K1</b>
<b>CO2</b>	Illustrate the features available in a RDBMS package	<b>K2</b>
<b>CO3</b>	Construct appropriate DDL and DML queries for database manipulation	<b>K3</b>
<b>CO4</b>	Analyse database requirements to design database	<b>K4</b>
<b>CO5</b>	Assess data in tables against appropriate constraints	<b>K5</b>
<b>CO6</b>	Build simple solutions to real world problems using SQL queries	<b>K6</b>