

**ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE  
THIRUPPATHUR**

**DEPARTMENT OF SOFTWARE DEVELOPMENT  
2022-2023**

**Programme Outcome and Course Outcome**

Semester - I				
Course code: 22VSD1C1	Core Course - 1	T/P	C	H/W
	<b>FUNDAMENTALS OF C PROGRAMMING</b>	<b>T</b>	<b>5</b>	<b>5</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the fundamentals of 'C' programming language.</li> <li>To impart Programming skills with C language</li> <li>To enable the students to make use of the constructs in 'C' language for programming</li> </ul>			
<b>Course Outcomes</b>	This course gave insights about: <ul style="list-style-type: none"> <li>Principles and building blocks of 'C' language</li> <li>To develop programs using 'C' language.</li> <li>To apply and implement programs to solve simple real-world problems</li> </ul>			

Semester - I				
Course code: 22VSD1P1	Core Practical I	T/P	C	H/W
	<b>C PROGRAMMING LAB</b>	<b>P</b>	<b>5</b>	<b>5</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the fundamentals of 'C' programming language.</li> <li>To impart Programming skills with C language</li> <li>To enable the students to make use of the constructs in 'C' language for programming</li> </ul>			
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the basic concept of C Programming, and its different modules that include conditional, looping expressions, Arrays and Functions</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Obtain practical knowledge in structured programming</li> <li>Develop simple applications using C language</li> </ul>			

Semester - I				
Course code: 22VSD1P2	Core Practical II	T/P	C	H/W
	<b>OFFICE AUTOMATION LAB</b>	<b>P</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To impart the knowledge about the Office Automation and the features of MS-Office</li> <li>To develop the learner's skills to effective usage of Office Automation package</li> <li>To familiarize the facilities available in Open Office and to learn about the accessibility features within the OpenOffice.org suite of applications and to learn to customize them.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Obtain practical knowledge in office automation</li> <li>get insight about the facilities in MS Office packages</li> <li>gain knowledge about Open office package</li> </ul>			

Semester - I				
Course code: 22VSDA1	Allied – I	T/P	C	H/W
	<b>FUNDAMENTALS OF DIGITAL COMPUTERS AND PROGRAMMING</b>	<b>T</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To impart the knowledge about principles of Digital Computers</li> <li>To facilitate the students with fundamentals of Logic Gates and Circuits</li> <li>To enable the students to learn about algorithms and flowcharts for solving problems.</li> </ul>			
<b>Outcomes</b>	This course gave insights about: <ul style="list-style-type: none"> <li>Various components of computer systems and its circuits</li> <li>Analyze and design algorithms and flowcharts for solving problems.</li> </ul>			

Semester - I				
Course code: 22VSD1G1	General – 1	T/P	C	H/W
	<b>LIFE COPING SKILLS - BASIC</b>	<b>T</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand life skills, its concept, process and practices.</li> <li>To develop the competence in application of life skills for effective learning and planning for career.</li> <li>To provide orientation in Life Coping Skills</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Identify their conflict styles and the basic values of self and others</li> <li>develop meaningful inter-personal relationships in different environments.</li> <li>Inculcate a positive mind set and a humanistic attitude.</li> </ul>			

Semester - II				
Course code: 22VSD2C1	Core – 4	T/P	C	H/W
	<b>WEB TECHNOLOGY</b>	<b>T</b>	<b>5</b>	<b>5</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To impart the fundamentals of Web basic concepts.</li> <li>To understand the various steps in designing a creative webpage using HTML/CSS</li> <li>To design dynamic website using HTML, CSS, JavaScript and XML.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>get in depth knowledge about the Web basics.</li> <li>design creative and dynamic websites using HTML, CSS, Javascript and XML</li> </ul>			

Semester - II				
Course code: 22VSD2P1	Core Practical III	T/P	C	H/W
	<b>WEB TECHNOLOGY LAB</b>	<b>P</b>	<b>5</b>	<b>5</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To impart the fundamentals of Web basic concepts.</li> <li>To understand the various steps in designing a creative webpage using HTML/CSS</li> <li>To design dynamic website using HTML, CSS, JavaScript and XML.</li> </ul>			
<b>Course Outcomes</b>	After completing this course, the students are able to: <ul style="list-style-type: none"> <li>Get the knowledge to analyze the given assignment to select sustainable web development and design methodology</li> <li>To develop interactive website creation skills and make the students to analyse the usability of a website</li> </ul>			

Semester - II				
Course code: 22VSD2P2	Core Practical IV	T/P	C	H/W
	DESKTOP PUBLISHING AND MULTIMEDIA LAB	P	4	4
Course Objectives	<ul style="list-style-type: none"> <li>To identify components of desktop publishing, such as text, graphics, and different page layout</li> <li>It imparts the techniques of multimedia so that the students will come across to produce an appropriate design.</li> </ul>			
Course Outcomes	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>To Manage images appropriately and Demonstrate design and animation concepts</li> </ul>			

Semester - II				
Course code: 22VSDA2	Allied – 2	T/P	C	H/W
	OPERATIONS RESEARCH	T	4	4
Course Objectives	<ul style="list-style-type: none"> <li>To introduce the various Operations Research and their usages.</li> <li>To enable the students to effectively solve the Resource Management problems using Operations Research.</li> </ul>			
Course Outcomes	After completing this course, the students are able to: <ul style="list-style-type: none"> <li>identify and develop operational research models from the verbal description of the real system.</li> <li>understand the mathematical tools that are needed to solve optimization problems.</li> <li>use mathematical software to solve the proposed models</li> </ul>			

Semester - II				
Course code: 22VSD2G1	General – 2	T/P	C	H/W
	LIFE COPING SKILLS - ADVANCED	T	4	4
Course Objectives	<ul style="list-style-type: none"> <li>To make the students manage stress and time effectively.</li> <li>To enable the students to become good team players to acquire problem-solving skills, and creative and critical thinking abilities to develop decisions, and build healthy relationships with their teammates.</li> </ul>			
Course Outcomes	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>The students gain noteworthy knowledge in Life Coping Skills</li> <li>The students will be able to face the challenges of the new millennium, ruled by globalization and market forces.</li> </ul>			

Semester - III				
Course code: 22VSD3C1	Core Course III	T/P	C	H/W
	OPERATING SYSTEMS	T	5	5
Course Objectives	<ul style="list-style-type: none"> <li>To understand the services provided by and the design of an operating system.</li> <li>To understand the structure and organization of the file system.</li> </ul>			
Course Outcomes	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Understands the different services provided by Operating System at different level.</li> <li>Learn real life applications of Operating System in every field.</li> </ul>			

Semester - III				
Course code: 22VSD3P1	Core Practical V	T/P	C	H/W
	DATA STRUCTURES & ALGORITHMS USING C++LAB	P	5	5
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To Understand the Data Structures and Computer Algorithms concept.</li> <li>To know how to use the Data Structures and Computer Algorithms for real worldproblems.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>to understand the concept of Data Structures and Computer Algorithms</li> <li>to compare various techniques by executing the programs using Data Structures and Computer Algorithms</li> </ul>			

Semester - III				
Course code: 22VSD3P2	Core Practical VI	T/P	C	H/W
	CONTENT MANAGEMENT SYSTEM LAB	4	4	4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To make website plan and understand site structure</li> <li>To demonstrate communicating messages to the target audience</li> <li>To get familiarize about developing sites or blogs using WordPress</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Familiar with dynamic website development</li> <li>Install, configure, and design Word Press blogs for technical communication and collaboration.</li> <li>Publish SEO-Optimized blog posts and create content marketing calendars.</li> </ul>			

Semester - III				
Course code: 22VSDAP1	Allied Practical I	T/P	C	H/W
	LINUX AND SHELL PROGRAMMING LAB	P	4	4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To familiarize basic concepts of shell programming</li> <li>To demonstrate use of system calls</li> <li>To demonstrate Inter process communication.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Familiar with Linux commands and Vi editor</li> <li>Use shell script to create files and perform operations on files and directories</li> </ul>			

Semester - III				
Course code: 22VSD3G1	General – 3	T/P	C	H/W
	PROFESSIONAL ETIQUETTES	T	1	2
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To impart various etiquettes, dress code in business environment.</li> <li>To impart understanding about behavioural styles in business environment</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>well verse with business Etiquette, workplace Etiquette, dinning Etiquette, and restaurant Etiquette.</li> <li>improve Professional behaviour in business environment.</li> </ul>			

<b>Semester - III</b>				
<b>Course code:</b> 22VSD3G2	<b>General – 4</b>	<b>T/P</b>	<b>C</b>	<b>H/W</b>
	<b>EXTENSION ACTIVITY</b>	<b>T</b>	<b>1</b>	<b>-</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To enable the students to learn and understand the culture, living environment, values as well as the problems of rural people</li> <li>To bring desirable changes in knowledge, skill and attitude of rural people.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>get awareness about the culture and living environment of rural people.</li> <li>analyze the problems of rural people and find solutions.</li> </ul>			

<b>Semester - IV</b>				
<b>Course code:</b> 22VSD4E1	<b>Discipline Specific Elective – 1</b>	<b>T/P</b>	<b>C</b>	<b>H/W</b>
	<b>A. DATA COMMUNICATION NETWORKS</b>	<b>T</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the concept of Computer network</li> <li>To impart knowledge about networking and inter networking devices.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>understand the principles of computer networks and data communication.</li> <li>Know the importance of protocols used for data communication</li> </ul>			

<b>Semester - IV</b>				
<b>Course code:</b> 22VSD4E2	<b>Discipline Specific Elective – 1</b>	<b>T/P</b>	<b>C</b>	<b>H/W</b>
	<b>B. COMPUTER GRAPHICS</b>	<b>T</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the concept of Computer network</li> <li>To impart knowledge about networking and inter networking devices.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Understand the accounting concepts and conventions.</li> <li>Prepare financial statement in accordance with generally accepted accounting principles.</li> <li>Understand the various methods of charging depreciation and the accounting procedure.</li> <li>Understand the skills to fundamental concepts of Computerized accounting.</li> <li>Develop skills to prepare Computerized accounting</li> </ul>			

<b>Semester - IV</b>				
<b>Course code:</b> 22VSD4P1	<b>Core Practical VII</b>	<b>T/P</b>	<b>C</b>	<b>H/W</b>
	<b>RDBMS LAB</b>	<b>P</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To improve the programming skills of the students in Relational Database Management Systems (RDBMS)</li> <li>To impart the concepts and programming techniques related to query processing using SQL and PL/SQL</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>design and execute SQL queries for real-time applications.</li> <li>implement PL/SQL structures in relational database systems.</li> </ul>			

Semester - IV				
Course code: 22VSD4P2	Core Practical VIII XML LAB	T/P P	C 4	H/W 4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To impart the knowledge about the XML features and its role in Data transformation in Hyper medium.</li> <li>To acquire the skills for creating XML documents, DTD, Style sheets using CSS and XSL for real-time requirements</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Construction of complex queries over XML documents using XPath and XQuery.</li> <li>Programming XML with DOM and SAX.</li> </ul>			

Semester - IV				
Course code: 22VSDAP2	Allied Practical II PC ASSEMBLING & TROUBLESHOOTING LAB	T/P P	C 3	H/W 4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To assemble/setup and to upgrade Personal Computer systems</li> <li>To learn to perform installation, configuration, and to upgrade a Microcomputer Hardware and Software.</li> <li>To learn to diagnose and troubleshoot the microcomputer systems Hardware and Software, and other peripheral equipment issues</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Able to identify the essential components of a computer and troubleshoot hardware components</li> <li>Able to recommend hardware and to develop a computer system proposal/presentation for a client</li> <li>Able to assemble a computer with essential components.</li> </ul>			

Semester - IV				
Course code: 22VSD4G1	General Practical INTERVIEW TECHNIQUES & INTERPERSONAL COMMUNICATIONS #	T/P P	C 2	H/W 2
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the purpose behind the interview process and preparation techniques for the carrier interviews</li> <li>To learn about Social skills and Conflict skills to become a successful person</li> <li>To acquire interpersonal skills in order to improve the relationships with human behavior</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>understand the purpose of interviews &amp; aware of the processes involved in different types of interviews</li> <li>Know how to prepare for interview &amp; be clear about the importance of self-presentation</li> <li>Remember an interview is not one way traffic! Recruitment</li> <li>Costs are high and employers want you as much as you want them.</li> </ul>			

Semester-IV				
Course code: 22VSD4G2	General – 6	T/P	C	H/W
	<b>INDUSTRY VISIT AND COMPREHENSIVE VIVA</b>	<b>P</b>	<b>2</b>	<b>-</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To expose the students about real time working environment, experience and to gain the knowledge through hands on observation and job execution in the Industry</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>get practical experience firsthand how these concepts are put into action.</li> <li>bridge the gap between classroom theoretical training and practical learning in a real-life environment.</li> <li>identify their prospective areas of work.</li> <li>gives students a platform to enhance their interpersonal skills.</li> <li>get to see the best practices opted by different companies for similar work.</li> <li>use the case study approach within the visit to bring out critical thinking among students.</li> </ul>			

Semester - V				
Course code: 22VSD5E1	Discipline Specific Elective – 2	T/P	C	H/W
	<b>A. SOFTWARE ENGINEERING</b>	<b>T</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To learn the basic concepts of Software Engineering and the various phases in Software Development</li> <li>To make the students to become a Software developer with conventional SDLC methodologies.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>understand the principles of computer networks and data communication.</li> <li>Know the importance of protocols used for data communication</li> </ul>			

Semester - V				
Course code: 22VSD5E2	Discipline Specific Elective – 2	T/P	C	H/W
	<b>B. CLOUD COMPUTING</b>	<b>T</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To introduce the fundamental principles of cloud computing and its related paradigms</li> <li>To discuss the concepts of virtualization technologies along with the architectural models of cloud computing</li> <li>To understand the cloud computing technologies available in the market place</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>learn the fundamental principles of cloud computing and its related paradigms</li> <li>describe the concepts of virtualization technologies along with the architectural models of cloud computing</li> <li>understand the cloud computing technologies available in the market place</li> </ul>			

<b>Semester - V</b>				
<b>Course code:</b> 22VSD5C1	<b>Core Course V</b> <b>JAVA PROGRAMMING</b>	<b>T/P</b> <b>T</b>	<b>C</b> <b>4</b>	<b>H/W</b> <b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the fundamental concepts of Object-Oriented programming with Java language.</li> <li>To understand the facilities of Java language such as, Applets, Exception handling and I/O streams</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>comprehend the efficiency and complexity of Java language in designing the Software components.</li> <li>acquire knowledge themselves in the area of Internet Programming</li> </ul>			

<b>Semester - V</b>				
<b>Course code:</b> 22VSD5P1	<b>Core Practical IX</b> <b>JAVA PROGRAMMING LAB</b>	<b>T/P</b> <b>P</b>	<b>C</b> <b>4</b>	<b>H/W</b> <b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the fundamental concepts of Java Programming, and its different modules that includes Interfaces, Packages, Threads, I/O streams, Applets and JDBC</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students can: <ul style="list-style-type: none"> <li>understand and implement the Object-Oriented Programming concepts using Java</li> <li>practice Exception Handling, Graphical User Interface and Event Handling using Java.</li> </ul>			

<b>Semester - V</b>				
<b>Course code:</b> 22VSD5P2	<b>Core Practical X</b> <b>PYTHON LAB</b>	<b>T/P</b> <b>P</b>	<b>C</b> <b>3</b>	<b>H/W</b> <b>3</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To develop higher-order programming skills in core Python</li> <li>To apply the theoretical elements of Python for problem solving</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Analyze and understand the various programming constructs through simple python programs</li> <li>Illustrate the programming elements of Python</li> </ul>			

<b>Semester - V</b>				
<b>Course code:</b> 22VSD5P3	<b>Core Practical XI</b> <b>SOFTWARE DESIGN LAB</b>	<b>T/P</b> <b>P</b>	<b>C</b> <b>3</b>	<b>H/W</b> <b>3</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To impart comprehensive knowledge on Software design</li> <li>To introduce different types of UML diagrams used for Software design</li> </ul>			
<b>Course outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>gain comprehensive knowledge on Software design</li> <li>describe different types of UML diagrams used for Software design</li> </ul>			

Semester - V				
Course code: 22VSD5G1	General – 7	T/P	C	H/W
	PYTHON PROGRAMMING	T	4	4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To develop logical thinking, problem solving and implementation skills using Python.</li> <li>To understand the data structures of Python namely lists, dictionaries and tuples.</li> <li>To augment the knowledge on object-oriented programming using Python</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Understand the core elements of the Python Programming</li> <li>Resolve on the ideal usage of complex data structures as well as exceptions.</li> <li>Describe the files, OOPs concepts in python</li> </ul>			

Semester - V				
Course code: 22VSD5G2	General – 8	T/P	C	H/W
	ANDROID PROGRAMMING	T	2	2
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the fundamental concepts of android programming.</li> <li>To independently create simple Android Applications.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>understand the fundamentals of Android programming</li> <li>develop simple Android Applications</li> </ul>			

Semester - V				
Course code: 22VSD5G3	General – 9	T/P	C	H/W
	COMPETITIVE EXAMINATION SKILLS	T	2	2
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To build a sense of awareness among students through proper guidance about various competitive examinations</li> <li>To motivate students for prospective career in government and corporate sector</li> <li>To intensively guide students for competitive examinations like TNPSC, UPSC, SSC, RRB, IBPS etc.</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>gain awareness about competitive examinations</li> <li>get trained in different skills required for clearing the competitive examinations</li> </ul>			

Semester - V				
Course code: 22VSD5G4	General – 10	T/P	C	H/W
	QUANTITATIVE APPETITUDE	T	4	4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To demonstrate various principles in solving mathematical problems and thereby reduce the time taken for performing job functions and to enable the students to acquire skills for facing their job interviews</li> <li>To learn to critically evaluate and solve various real-life problems using mathematical techniques</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>gain awareness about competitive examinations</li> <li>get trained in different skills required for clearing the competitive examinations</li> </ul>			

Semester - VI			
Course code: 22VSD6I	INDUSTRY INTERSHIP	C	H/W
		12	14
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To get exposure about the work environment in the industry</li> <li>To gain training from the industry experts</li> <li>To gain practical knowledge and participate in Industry projects</li> </ul>		
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Participate in the projects in industries during his or her industrial training</li> <li>Describe use of advanced tools and techniques encountered during industrial training</li> <li>Interact with industrial personnel and follow engineering practices and discipline prescribed in industry.</li> <li>Prepare professional work reports and presentations</li> </ul>		

Semester - VI			
Course code: 22VSD6DV	DISSERTATION AND VIVA VOCE	C	H/W
		6	4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>Check that the dissertation is the candidate's own work.</li> <li>confirm that the candidate understands what he or she has written.</li> <li>investigate the candidate's awareness of where his or her original work sits in relation to the wider research field.</li> <li>provide the candidate with an opportunity to justify their arguments and conclusions.</li> <li>establish whether the dissertation is of a sufficiently high standard to merit the award of the UG degree</li> </ul>		
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Knowledge of the most advanced research in the candidate's specialization area (Track) of Software Development, respectively</li> <li>In-depth understanding of academic theory and the preparation of high-quality research pertinent to the field of study</li> <li>Ability to select appropriate research methods and techniques suitable for the candidate's research field</li> <li>In-depth understanding the current state of the art in the individual research area, and the ability to appropriately employ methods and existing research results in the development of new knowledge, theories and presentation of research in the individual research area</li> </ul>		

Semester - VI				
Course code: 22VSD6G1	General Practical	T/P	C	H/W
	OPEN SOURCE LAB	P	4	4
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To introduce and impart the programming principles, language structures of PHP &amp; PEARL</li> <li>To enable the students to create a complete Website using PHP and MySQL</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Implement various applications using build systems</li> <li>Understand the installation of various packages in open source operating systems</li> <li>Create simple GUI applications using Gambas 3</li> <li>Understand various version control systems</li> <li>Understand the kernel configuration and virtual environment</li> </ul>			

<b>Semester - VI</b>				
<b>Course code: 22VSD6G2</b>	<b>General Practical</b>	<b>T/P</b>	<b>C</b>	<b>H/W</b>
	<b>DISTRIBUTED PROGRAMMING LAB</b>	<b>P</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To understand the underlying concepts of distributed programming techniques in developing a Software product using distributed environment.</li> <li>To understand and implement timing and other events in distributed environment and to understand and use the concepts of ADO.NET and AJAX</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Understand the Microsoft .NET Framework and ASP.NET page structure</li> <li>Design web application with variety of controls</li> <li>Access the data using inbuilt data access tools</li> <li>Use Microsoft ADO.NET to access data in web Application</li> <li>Configure and deploy Web Application</li> <li>Develop secured web application</li> </ul>			

<b>Semester - VI</b>				
<b>Course code: 22VSD6G3</b>	<b>General – 13</b>	<b>T/P</b>	<b>C</b>	<b>H/W</b>
	<b>CORPORATE GROOMING AND FINISHING SKILLS</b>	<b>T</b>	<b>4</b>	<b>4</b>
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To enhance and sharpen the required skills and proper business etiquettes among the students to build good corporate relationship with the customers and their colleagues</li> <li>To learn to build a consistent professional image with respective organization's vision and mission</li> </ul>			
<b>Course Outcomes</b>	After Completing this course, the students are able to: <ul style="list-style-type: none"> <li>Build a consistent professional image with organization vision and mission</li> <li>Build good corporate relationships with your customers</li> <li>Influence others with power image and relevant body language</li> <li>Enhancing confidence in presenting yourself</li> <li>Exercise proper business etiquette</li> </ul>			