



P.K.R. ARTS COLLEGE FOR WOMEN

(An Autonomous Institution-Affiliated to Bharathiar University, Coimbatore)
 Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade
 Gobichettipalayam – 638 476, Erode District, Tamil Nadu, India Website:
 www.pkrarts.org |E.mail: pkroffice@gmail.com | Phone: 04285 - 222128

NAAC
2nd Cycle
Criterion I
Metric 1.1.1

Courses focus on Global, National, Regional and Local Needs Academic Year: 2021-2022

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2021-2022	B.Sc CS	21CSU06	Programming in Java-Practical			✓	✓	To understand the basic programming constructs of Java Language.
2021-2022	B.Sc CS	21CSU07	Internet Programming			✓	✓	To learn about the Internet programming concepts.
2021-2022	B.Sc CS	21CSU11	Shell Programming – Practical			✓	✓	To learn about the Linux Operating System and Shell Programming
2021-2022	B.Sc CS	21CSU12	Software Engineering			✓	✓	To enable the students to learn about Software Engineering concepts.
2021-2022	B.Sc CS	21AEU01	Information Security			✓	✓	To learn about the basics of Information Security.
2021-2022	B.Sc CS	21CSU15	SQL and PL/SQL-Practical			✓	✓	This course covers the conception creation of relational databases, storing, retrieving, Updating and displaying data using Structured Query Language (SQL) integrated into Stored Procedures, Functions, Packages and Triggers (PL/SQL Programming).It is designed to provide hands-on experience to create database-level applications using Oracle SQL and PL/SQL.
2021-2022	B.Sc CS	21SECSU01	Animation - Practical			✓	✓	To understand the designing of Photoshop and flash
2021-2022	B.Sc CS	21CSU19	Programming in Python - Practical			✓	✓	The Paper offers the understanding of basic principles in python and skills to create computer programs for small scale usage
2021-2022	B.Sc CS	21CSU22A	Internet of Things			✓	✓	This course gives an overview of the basic concepts of building an IoT system and its application in various fields.
2021-2022	B.Sc CS	21CSU22C	Artificial Intelligence			✓	✓	To learn about the concepts of artificial intelligence.



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Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2021-2022	B.Sc CS	21CSU26	Programming in VB.Net - Practical			✓	✓	To enable the students to learn about the .NET Framework and VB.NET programming.
2021-2022	B.Sc CS	21CSU27A	Network Security			✓	✓	To provide grounding in basic and advanced techniques in network security and its effective algorithms.
2021-2022	B.Sc CS	21CSU27C	Informatics			✓	✓	To understand the basics of Informatics.
2021-2022	B.Sc CS	21CSU28A	Multimedia Systems			✓	✓	To understand the basic concepts of Multimedia
	B.Sc CS	21CSU28C	Big data Analytics			✓	✓	To enable the students to learn the concepts of Big Data Analytics.
2021-2022	B.Sc CS	21SECSU03	E-Commerce			✓	✓	To enable the students to learn the concepts of E-Commerce.
2021-2022	B.Sc CS	21PECSU01	Case Tools	✓	✓			To learn about the concepts of Case Tools Concepts and its Applications.



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Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2021-2022	B.Sc CS	21CSU26	Programming in VB.Net - Practical			✓	✓	To enable the students to learn about the .NET Framework and VB.NET programming.
2021-2022	B.Sc CS	21CSU27A	Network Security			✓	✓	To provide grounding in basic and advanced techniques in network security and its effective algorithms.
2021-2022	B.Sc CS	21CSU27C	Informatics			✓	✓	To understand the basics of Informatics.
2021-2022	B.Sc CS	21CSU28A	Multimedia Systems			✓	✓	To understand the basic concepts of Multimedia
	B.Sc CS	21CSU28C	Big data Analytics			✓	✓	To enable the students to learn the concepts of Big Data Analytics.
2021-2022	B.Sc CS	21SECSU03	E-Commerce			✓	✓	To enable the students to learn the concepts of E-Commerce.
2021-2022	B.Sc CS	21PECSU01	Case Tools	✓	✓			To learn about the concepts of Case Tools Concepts and its Applications.

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Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2020-2021	B.Sc CS	20CSU08	Programming in HTML- Practical			✓	✓	To enable the students to develop HTML web page
2020-2021	B.Sc CS	20CSU11	Internet of Things			✓	✓	This course gives an overview of basic concepts of building an IoT system and its application in various fields.
2020-2021	B.Sc CS	20CSU13	Programming in Java – Practical			✓	✓	Enable to create wide range of Applications and Applets using Java.
2020-2021	B.Sc CS	20CSU19	Operating System - Practical			✓	✓	To enable the students to gain skills in Operating system and Linux shell programming
2020-2021	B.Sc CS	20CSU24	Programming in Python and Oracle- Practical			✓	✓	To enable the students to develop applications using python and develop queries and PL/SQL programming using oracle.
2020-2021	B.Sc CS	20CSU26C	Artificial Intelligence			✓	✓	To learn about the concepts of artificial intelligence and expert systems.
2020-2021	B.Sc CS	20CSU28	Research Methodology			✓	✓	To enhance the ethical conduct of research and to gain basic knowledge on research methodologies.
2020-2021	B.Sc CS	20CSU30	Programming in VB.Net - Practical			✓	✓	To enable the students to work effectively with VB.NET and Oracle.
2020-2021	B.Sc CS	20CSU31A	Network Security			✓	✓	To provide grounding in basic and advanced methods in network security and its effective algorithms.
2020-2021	B.Sc CS	20CSU31C	Block chain Technology			✓	✓	To gain fundamental knowledge of block chain and its related concepts and technologies.



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Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
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2020-2021	B.Sc CS	20CSU32B	Virtual Reality Systems			✓	✓	The Proposed Paper offers to explore materials and processes used in immersive virtual reality; show a basic awareness and understanding of historical and theoretical contexts relevant to immersive virtual reality; and demonstrates an understanding of the importance of critical and self-reflective practice.
2020-2021	B.Sc CS	20CSU32C	Big data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce, Hive, Apache Pig and Hadoop
2020-2021	B.Sc CS	20SEUCS03	Programming in 3D Max - Practical			✓	✓	enable the students to equip them with graphics and multimedia skills
2020-2021	B.Sc CS	20SEUCS01	Tally – Practical	✓	✓			To impart knowledge on the different accounting applications using Tally.
2020-2021	B.Sc CS	20PECSU01	Software Project Management	✓	✓			To inculcate the knowledge on how to manage a Software Project.



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				Local	Regional	National	Global	
2020-2021	B.Sc CS	20CSU32B	Virtual Reality Systems			✓	✓	The Proposed Paper offers to explore materials and processes used in immersive virtual reality; show a basic awareness and understanding of historical and theoretical contexts relevant to immersive virtual reality; and demonstrates an understanding of the importance of critical and self-reflective practice.
2020-2021	B.Sc CS	20CSU32C	Big data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce, Hive, Apache Pig and Hadoop
2020-2021	B.Sc CS	20SEUCS03	Programming in 3D Max - Practical			✓	✓	enable the students to equip them with graphics and multimedia skills
2020-2021	B.Sc CS	20SEUCS01	Tally – Practical	✓	✓			To impart knowledge on the different accounting applications using Tally.
2020-2021	B.Sc CS	20PECSU01	Software Project Management	✓	✓			To inculcate the knowledge on how to manage a Software Project.

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				Local	Regional	National	Global	
2019-2020	B.Sc CS	19CSU08	Programming in HTML-Practical			✓	✓	This course provide complete knowledge in HTML
2019-2020	B.Sc CS	19CSU11	Internet of Things			✓	✓	To learn about the basics of Internet of Things and their applications
2019-2020	B.Sc CS	19CSU13	Programming in Java – Practical			✓	✓	This course provides hands on experience on Java Programming
2019-2020	B.Sc CS	19CSU19	Operating System - Practical			✓	✓	This course provides programming knowledge in advanced Operating System
2019-2020	B.Sc CS	19CSU24	Programming in Python and Oracle - Practical			✓	✓	This course provide complete knowledge in Python and Oracle
2019-2020	B.Sc CS	19SEUCS3	Programming in PHP - Practical			✓	✓	This course provides programming skills in PHP
2019-2020	B.Sc CS	19CSU28	Research Methodology			✓	✓	To enhance the ethical conduct of research and to learn about its techniques
2019-2020	B.Sc CS	19CSU29	Programming in VB.Net			✓	✓	To enable the students to learn about the .NET Framework and VB.NET programming
2019-2020	B.Sc CS	19CSU31A	Network Security			✓	✓	To provide grounding in basic and advanced methods in network security and its effective algorithms
2019-2020	B.Sc CS	19CSU32B	Artificial Intelligence			✓	✓	To learn about the concepts of artificial intelligence and expert systems.



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2019-2020	B.Sc CS	19CSU32C	Big Data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem
2019-2020	B.Sc CS	19SEUCS4	Programming in 3D Max - Practical			✓	✓	This course provides hands on experience on 3D Max Programming
2019-2020	B.Sc CS	19SEUCS2	Tally - Practical	✓	✓			To include the different accounting applications using Tally.
2019-2020	B.Sc CS	19CSU26C	Introduction and Role of ICT in Agriculture	✓	✓			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media
2019-2020	B.Sc CS	19CSU31C	E-Agriculture	✓	✓			To enhance the ethical conduct of ICT involving human subjects requires a balancing of Agriculture interests in protecting the rights of subjects in developing knowledge that can benefit the subject or society as a whole



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2019-2020	B.Sc CS	19CSU32C	Big Data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem
2019-2020	B.Sc CS	19SEUCS4	Programming in 3D Max - Practical			✓	✓	This course provides hands on experience on 3D Max Programming
2019-2020	B.Sc CS	19SEUCS2	Tally - Practical	✓	✓			To include the different accounting applications using Tally.
2019-2020	B.Sc CS	19CSU26C	Introduction and Role of ICT in Agriculture	✓	✓			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media
2019-2020	B.Sc CS	19CSU31C	E-Agriculture	✓	✓			To enhance the ethical conduct of ICT involving human subjects requires a balancing of Agriculture interests in protecting the rights of subjects in developing knowledge that can benefit the subject or society as a whole

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				Local	Regional	National	Global	
2018-2019	B.Sc CS	18CSU08	Programming in HTML- Practical			✓	✓	This course provide complete knowledge in HTML
2018-2019	B.Sc CS	18CSU11	Internet of Things			✓	✓	To learn about the basics of Internet of Things and their applications
2018-2019	B.Sc CS	18CSU13	Programming in Java – Practical			✓	✓	This course provides hands on experience on Java Programming
2018-2019	B.Sc CS	18CSU19	Programming in Linux - Practical			✓	✓	This course provides programming knowledge in Linux
2018-2019	B.Sc CS	18CSU24	Programming in Python and Oracle - Practical			✓	✓	This course provide complete knowledge in Python and Oracle
2018-2019	B.Sc CS	18SEUCS3	Programming in PHP with symfony-Practical			✓	✓	This course provides programming skills in PHP
2018-2019	B.Sc CS	18CSU28	Research Methodology			✓	✓	To enhance the ethical conduct of research and to learn about its techniques
2018-2019	B.Sc CS	18CSU30	Programming in VB.Net - Practical			✓	✓	This course provides hands on experience on VB.NET Programming and Oracle
2018-2019	B.Sc CS	18CSU31A	Cloud Computing Techniques			✓	✓	To learn about cloud computing technologies, functions and its uses
2018-2019	B.Sc CS	18CSU32B	Green Computing			✓	✓	To acquire knowledge to adopt green computing practices to minimize negative impacts on the environment, skill in energy saving practices in their use of hardware, examine technology tools that can reduce paper waste and carbon footprint by user, and to understand how to minimize equipment disposal requirements.



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2018-2019	B.Sc CS	18CSU32C	Big Data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem
2018-2019	B.Sc CS	18SEUCS4	Programming in 3D Max - Practical			✓	✓	This course provides hands on experience on 3D Max Programming
2018-2019	B.Sc CS	18SEUCS2	Tally - Practical	✓	✓			To include the different accounting applications using Tally
2018-2019	B.Sc CS	18CSU26C	Introduction and Role of ICT in Agriculture	✓	✓			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media
2018-2019	B.Sc CS	18CSU31C	E-Agriculture	✓	✓			To enhance the ethical conduct of ICT involving human subjects requires a balancing of Agriculture interests in protecting the rights of subjects in developing knowledge that can benefit the subject or society as a whole



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				Local	Regional	National	Global	
2018-2019	B.Sc CS	18CSU32C	Big Data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem
2018-2019	B.Sc CS	18SEUCS4	Programming in 3D Max - Practical			✓	✓	This course provides hands on experience on 3D Max Programming
2018-2019	B.Sc CS	18SEUCS2	Tally - Practical	✓	✓			To include the different accounting applications using Tally
2018-2019	B.Sc CS	18CSU26C	Introduction and Role of ICT in Agriculture	✓	✓			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media
2018-2019	B.Sc CS	18CSU31C	E-Agriculture	✓	✓			To enhance the ethical conduct of ICT involving human subjects requires a balancing of Agriculture interests in protecting the rights of subjects in developing knowledge that can benefit the subject or society as a whole

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				Local	Regional	National	Global	
2017-2018	B.Sc.CS	17CSU07	Programming in HTML- Practical			✓	✓	To enable the students to develop HTML web page
2017-2018	B.Sc.CS	17CSU11	Programming in Java – Practical			✓	✓	Enable to create wide range of Applications and Applets using Java.
2017-2018	B.Sc.CS	17CSU17	Programming in Linux - Practical			✓	✓	To enable the students to gain skills in shell programming
2017-2018	B.Sc.CS	17CSU22	Programming in VB.Net and Oracle - Practical			✓	✓	To enable the students to work effectively with VB.NET and Oracle
2017-2018	B.Sc.CS	17CSU24A	E-Learning			✓	✓	To understand the basic concepts of E-Learning and its tools.
2017-2018	B.Sc.CS	17CSU24C	Mobile Computing Techniques			✓	✓	To learn about the mobile computing basics and advanced techniques.
2017-2018	B.Sc.CS	17CSU26	Research Methodology			✓	✓	To enhance the ethical conduct of research and to learn about its techniques
2017-2018	B.Sc.CS	17CSU28	Programming in 3D Max- Practical			✓	✓	To enable the students to equip them with graphics and multimedia skills
2017-2018	B.Sc.CS	17CSU29B	Cloud Computing Techniques			✓	✓	To learn about cloud computing technologies, functions and its uses



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2017-2018	B.Sc.CS	17CSU30A	Big Data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem
2017-2018	B.Sc.CS	17CSU30B	Green Computing			✓	✓	To acquire knowledge to adopt green computing practices to minimize negative impacts on the environment, skill in energy saving practices in their use of hardware, examine technology tools that can reduce paper waste and carbon footprint by user, and to understand how to minimize equipment disposal requirements.
2017-2018	B.Sc.CS	17SEUCS2	Tally – Practical	✓	✓			To impart knowledge on the different accounting applications using Tally
2017-2018	B.Sc.CS	17SEUCS3	Photoshop-Practical	✓	✓			To enable the students to develop designing skills in Photoshop



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2017-2018	B.Sc.CS	17CSU30A	Big Data Analytics			✓	✓	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem
2017-2018	B.Sc.CS	17CSU30B	Green Computing			✓	✓	To acquire knowledge to adopt green computing practices to minimize negative impacts on the environment, skill in energy saving practices in their use of hardware, examine technology tools that can reduce paper waste and carbon footprint by user, and to understand how to minimize equipment disposal requirements.
2017-2018	B.Sc.CS	17SEUCS2	Tally – Practical	✓	✓			To impart knowledge on the different accounting applications using Tally
2017-2018	B.Sc.CS	17SEUCS3	Photoshop-Practical	✓	✓			To enable the students to develop designing skills in Photoshop

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