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**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		N	eed		Description
-				Local	Regional	National	Global	
2021-2022	BCA	21CAU06	Programming in Java -Practical			1	1	To understand the basic programming constructs of Java Language.
2021-2022	BCA	21CAU11	Open Source Technology - Practical			1	1	To understand the Open Source Technology.
2021-2022	BCA	21AEU01	Information Security			1	1	To learn about the basics of Information Security.
2021-2022	BCA	21CAU15	SQL and PL/SQL- Practical			<b>√</b>	1	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 created database-level applications using Oracle SQL and PL/SQL.
2021-2022	BCA	21CAU19	Programming in Python - Practical			1	1	The Paper offers the understanding of basic principles in python and skills to create computer programs for small scale usage
2021-2022	BCA	21CAU22C	Internet of Things			1	1	This course gives an overview of the basic concepts of building an IoT system and its application in various fields.
2021-2022	BCA	21CAU24	Mobile Computing			1	1	To understand the mobile computing applications, techniques and its environment

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2021-2022	BCA	21CAU26	Programming in VB.Net - Practical			-	1	To enable the students to learn about the .NET Framework and VB.NET programming.
2021-2022	BCA	21CAU27A	Network Security			1	1	To provide grounding in basic and advanced techniques in network security and its effective algorithms
2021-2022	BCA	21CAU27B	Big Data Analytics			1	1	To enable the students to learn the concepts of Big Data Analytics.
2021-2022	BCA	21CAU27 C	Web Services			1	1	To learn about the web services technologies
2021-2022	BCA	21CAU28 A	Informatics					To understand the basics of Informatics.
2021-2022	BCA	21CAU28 B	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
2021-2022	BCA	21CAU28 C	Artificial Intelligence					To learn about the concepts of artificial intelligence.
2021-2022	BCA	21CAU07	Office Automation	-				To provide a crisp knowledge on basic fundamentals of the computers, working procedure on the windows and practice the system environment functions
2021-2022	BCA	21SECAU 01	Programming in Tally -Practical	1	1			To impart basic accounting knowledge
2021-2022	BCA	21PECAU 01	Case Tools	<ul> <li>Image: A set of the set of the</li></ul>	<ul> <li>✓</li> </ul>			To learn about the concepts of Case Tools Concepts and its Applications.



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Metric 1.1.1

Description Need Title of the Course Code Programme Year of Local Regional National Global Syllabus. To learn about the web services technologies Revision 1 1 Web Services To understand the basics of Informatics. 21CAU27C BCA 2021-2022 To acquire knowledge to adopt green computing Informatics BCA 21CAU28A 2021-2022 practices to minimize negative impacts on the Green Computing 21CAU28B BCA 2021-2022 environment, skill in energy saving practices in their use of hardware, examine technology tools that can reduce paper waste and carbon footprint by user To learn about the concepts of artificial intelligence. To provide a crisp knowledge on basic Artificial Intelligence 21CAU28C 2021-2022 BCA fundamentals of the computers, working procedure 1. 1 Office Automation 21CAU07 BCA 2021-2022 on the windows and practice the system environment functions To impart basic accounting knowledge 21SECAU01 Programming in Tally -Practical To learn about the concepts of Case Tools Concepts 1 1 BCA 2021-2022 1 1 21PECAU01 Case Tools and its Applications. BCA 2021-2022 P.H.et Head, Depariment J. Structure Science P.K.R. Arts College for Women (Autonomous) Gobichettipalayam - 638 476. \* \*



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Metric 1.1.1

# **Courses focus on Global, National, Regional and Local Needs Academic Year: 2020-2021**

Year of	Programme	Code	Title of the			Need		Description
Syllabus Revision			Course	Local	Re gio nal	Natio nal	Global	
2020-2021	BCA	20CAU08	Programming in HTML- Practical			1	1	To enable the students to develop HTML web page
2020-2021	BCA	20CAU08	Internet of Things			1	1	This course gives an overview of basic concepts of building an IoT system and its application in various fields.
2020-2021	BCA	20CAU11	Programming in Java – Practical			1	1	Enable to create wide range of Applications and Applets using Java.
2020-2021	BCA	20CAU13	Operating System - Practical			1	1	To enable the students to gain skills in Operating system and Linux shell programming
2020-2021	BCA	20CAU19	Programming in PHP-Practical			1	1	To enable the students to develop web based application
2020-2021	BCA	20SEUCA01	Programming in Python and Oracle - Practical			1	1	To enable the students to develop applications using python and develop queries and PL/SQL programming using oracle.
2020-2021	BCA	20CAU24	Virtual Reality Systems			1	1	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	BCA	20CAU26C	Research Methodology			1	1	To enhance the ethical conduct of research and to gain basic knowledge on research methodologies.



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Metric 1.1.1

2020-2021	BCA	20CAU28	Programming in VB.Net - Practical		1	This course provides hands on experience on VB.NET Programming and Oracle
2020-2021	BCA	20CAU30	Network Security	1	1	To provide grounding in basic and advanced methods in network security and its effective algorithms
2020-2021	BCA	20CAU31B	Big Data Analytics	1		To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem

Year of	Programme	Code	Title of the		N	eed		Description
Syllabus Revision			Course	Local	Regional	National	Global	
2020-2021	BCA	20CAU31C	Block chain Technology			1	1	To gain fundamental knowledge of block chain and its related concepts and technologies.
2020-2021	BCA	20CAU32B	Green Computing			1	1	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.
2020-2021	BCA	20CAU32C	Web Services			1	1	To learn about the web services technologies
2020-2021	BCA	20SEUCA03	Programming in 3D Max - Practical			1	1	This course provides hands on experience on 3D Max Programming
2020-2021	BCA	20PECAU01	Software Project Management	1				To inculcate the knowledge on how to manage a Software Project.

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Metric 1.1.1

Courses focus on Global, National, Regional and Local Needs Academic Year: 2020-2021

Year of	Programme	Code	Title of the		N	eed	0.00	Description
Syllabus Revision			Course	Local	Regional	National	Global	the state of the s
2020-2021	BCA	20CAU31C	Block chain Technology			1	1	To gain fundamental knowledge of block chain and its related concepts and technologies.
2020-2021	BCA	20CAU32B	Green Computing			5	1	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.
2020-2021	BCA	20CAU32C	Web Services			1	1	To learn about the web services technologies
2020-2021	BCA	20SEUCA03	Programming in 3D Max - Practical			1	1	This course provides hands on experience on 3D Max Programming
2020-2021	BCA	20PECAU01	Software Project Management	1	✓.			To inculcate the knowledge on how to manage a Software Project.

P. H. L. K Head, Department of Computer Science P.K.R. Arts College for Women (Autonomous) Gobichettipalayam-638476.



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**Criterion I** 

Metric 1.1.1

# Courses focus on Global, National, Regional and Local Needs Academic Year: 2019-2020

Year of	Programme	Code	Title of the		N	eed		Description
Syllabus Revision			Course	Local	Regional	National	Global	
2019-2020	BCA	19CAU08	Programming in HTML- Practical			1	1	This course provide complete knowledge in HTML
2019-2020	BCA	19CAU11	Internet of Things			1	1	To learn about the basics of Internet of Things and their applications
2019-2020	BCA	19CAU13	Programming in Java – Practical			1	1	This course provides hands on experience on Java Programming
2019-2020	BCA	19SEUCA2	Programming in PHP –Practical			1	1	This course provides programming skills in PHP
2019-2020	BCA	19CAU24	Programming in Python and Oracle - Practical			1	1	This course provide complete knowledge in Python and Oracle
2019-2020	BCA	19CAU28	Research Methodology			1	1	To enhance the ethical conduct of research and to learn about its techniques
2019-2020	BCA	19CAU30	Programming in VB.Net - Practical			1	1	This course provides hands on experience on VB.NET Programming and Oracle
2019-2020	BCA	19CAU31A	Network Security			1	1	To provide grounding in basic and advanced methods in network security and its effective algorithms
2019-2020	BCA	19CAU31B	Big Data Analytics			1	1	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem
2019-2020	BCA	19CAU32B	Green Computing			1	1	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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**Criterion I** 

Metric 1.1.1

Year of	Programme	Code	Title of the Course		N	eed		Description
Syllabus Revision				Local	Regional	National	Global	
2019-2020	BCA	19SEUCA4	Programming in 3D Max - Practical			1	1	This course provides hands on experience on 3D Max Programming
2019-2020	BCA	19CAU26C	Introduction and Role of ICT in Agriculture	1	1			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media
2019-2020	BCA	19SEUCA3	Tally- Practical	1	1			To include the different accounting applications using Tally
2019-2020	BCA	19CAU31C	E-Agriculture	1	1			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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Metric 1.1.1

N	Programme	Code	Title of the Course		N	eed		Description		
Year of Syllabus	Programme	Code	The of the course	Local	Regional	National Global				
Revision 2019-2020	BCA	19SEUCA4	Programming in 3D Max - Practical			1	1	This course provides hands on experience on 3D Max Programming		
2019-2020	BCA	19CAU26C	Introduction and Role of ICT in Agriculture	1	5			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media		
2019-2020	BCA	19SEUÇA3	Tally- Practical	.1	1			To include the different accounting applications using Tally		
2019-2020	BCA	19CAU31C	E-Agriculture	J				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		

#### P.H.e.K.

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**Criterion I** 

Metric 1.1.1

# Courses focus on Global, National, Regional and Local Needs Academic Year: 2018-19

Year of Syllabus	Programme	Code	Title of the Course	]	Need		Description
Revision	C			Local Regiona	National	Global	•
2018-2019	BCA	18CAU08	Programming in HTML- Practical		1	<b>\$</b>	This course provide complete knowledge in HTML
2018-2019	BCA	18CAU11	Internet of Things		1	1	To learn about the basics of Internet of Things and their applications
2018-2019	BCA	18CAU13	Programming in Java – Practical		1	1	This course provides hands on experience on Java Programming
2018-2019	BCA	18CAU19	Programming in Linux - Practical		1	1	This course provides programming knowledge in Linux
2018-2019	BCA	18SEUCA2	Programming in PHP with Symfony - Practical		<b>√</b>	1	This course provides programming skills in PHP
2018-2019	BCA	18CAU24	Programming in Python and Oracle - Practical		<b>√</b>	1	This course provide complete knowledge in Python and Oracle
2018-2019	BCA	18CAU28	Research Methodology		<b>√</b>	1	To enhance the ethical conduct of research and to learn about its techniques
2018-2019	BCA	18CAU30	Programming in VB.Net - Practical		1	1	This course provides hands on experience on VB.NET Programming and Oracle
2018-2019	BCA	18CAU31A	Network Security		1	1	To provide grounding in basic and advanced methods in network security and its effective algorithms
2018-2019	BCA	18CAU31B	Big Data Analytics		1	<ul> <li>Image: A set of the set of the</li></ul>	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem



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Criterion I

Metric 1.1.1

Year of	Programme	Code	Title of the		N	eed		Description
Syllabus Revision			Course	Local	Regional	National	Global	
2018-2019	BCA	18CAU32B	Green Computing			~	<ul> <li>Image: A second s</li></ul>	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.
2018-2019	BCA	18CAU32C	E-Commerce			<b>√</b>	~	To enable the students to learn the concepts of E-commerce and its usage
2018-2019	BCA	18SEUCA4	Programming in 3D Max - Practical			<b>~</b>	<ul> <li>Image: A set of the set of the</li></ul>	This course provides hands on experience on 3D Max Programming
2018-2019	BCA	18CAU26C	Introduction and Role of ICT in Agriculture	1	1			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media
2018-2019	BCA	18SEUCA3	Tally- Practical	<ul> <li>Image: A set of the set of the</li></ul>	1			To include the different accounting applications using Tally
2018-2019	BCA	18CAU31C	E-Agriculture	1	1			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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Metric 1.1.1

						-		Description
Syllabus	Programme	Code	Title of the Course	Local	Regional	ed National	Global	
Revision 2018-2019	BCA	18CAU32B	Green Computing			-	1	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.
2018-2019	BCA	18CAU32C	E-Commerce			1	1	To enable the students to learn the concepts of E-commerce and its usage
2018-2019	BCA	18SEUCA4	Programming in 3D Max - Practical			1	1	This course provides hands on experience on 3D Max Programming
2018-2019	BCA	18CAU26C	Introduction and Role of ICT in Agriculture	1.	1			To acquaint the students with scope of information and communications technology in agriculture, networking and communication media
2018-2019	BCA	18SEUCA3	Tally- Practical	1	1			To include the different accounting applications using Tally

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**Criterion I** 

Metric 1.1.1

# Courses focus on Global, National, Regional and Local Needs Academic Year: 2017-2018

Year of Syllabus	Programme	Code	Title of the Course	Need				Description
Revision				Local	Regional	National	Global	-
2017-2018	B.C.A	17CAU07	Programming in HTML- Practical			1	1	To enable the students to develop HTML web page
2017-2018	B.C.A	17CAU11	Programming in Java – Practical			1	1	Enable to create wide range of Applications and Applets using Java.
2017-2018	B.C.A	17CAU17	Programming in Linux - Practical			1	1	To enable the students to gain skills in shell programming
2017-2018	B.C.A	17SEUCA2	Programming in PHP with Symfony -Practical			1	1	To introduce the details about basic concepts of programming in PHP.
2017-2018	B.C.A	17CAU22	Programming in VB.Net and Oracle - Practical	:le -		1	1	To enable the students to work effectively with VB.NET and Oracle
2017-2018	B.C.A	17CAU26	Research Methodology			1	1	To enhance the ethical conduct of research and to learn about its techniques
2017-2018	B.C.A	17CAU28	Programming in 3D Max- Practical	✓     ✓     To enable the students to multimedia skills		To enable the students to equip them with graphics and multimedia skills		
2017-2018	B.C.A	17CAU29A/	Network Security			1	1	To provide grounding in basic and advanced methods in network security and its effective algorithms
2017-2018	B.C.A	17CAU29B	Big Data Analytics			1	1	To provide grounding in basic and advanced methods to big data technology and tools, including MapReduce and Hadoop and its ecosystem

		P.K.R. ARTS CO (An Autonomous Institution-Af Approved by Government of	filiated to Bharathiar Ui Tamil Nadu and Accred	NAAC 2 <sup>nd</sup> Cycle		
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2017-2018	B.C.A 170	CAU30A E-Commerce		1	1	To enable the students to learn the concepts of E-commerce and its usage

Year of	Programme	Code	Title of the		Need			Description
Syllabus Revision			Course	Local	Regional	National	Global	
2017-2018	B.C.A	17CAU30B	Green Computing			~	1	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.C.A	17SEUCA3	Tally- Practical	1	1			To impart knowledge on the different accounting applications using Tally



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Criterion I

Metric 1.1.1

Description Need Title of the Code Programme Local Regional National Global Year of Course To acquire knowledge to adopt green computing practices to Syllabus Revision minimize negative impacts on the environment, skill in energy 1 1 17CAU30B Green B.C.A 2017-2018 saving practices in their use of hardware, examine technology tools Computing that can reduce paper waste and carbon footprint by user, and to understand how to minimize equipment disposal requirements. To impart knowledge on the different accounting applications using 1 1 17SEUCA3 Tally-B.C.A Tally 2017-2018 Practical

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