

**SRI KALISWARI COLLEGE (AUTONOMOUS), SIVAKASI**  
**(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade (CGPA 3.11) by NAAC)**  
**BOARD OF STUDIES MEETING**

Name of the Department : **BCA**  
 Date : 14.07.2021  
 Course : Bachelor of Computer Applications

S.No	Semester	2018-2021		Semester	2021-2024		Content/Units	Retained/Deletion/Changes/Frame the New Syllabus	Justification
		Course Code	Course Name		Course Code	Course Name			
	I	18UCAC11	Core Course -I : Foundation Course - C Programming	I	21UCAC11	<b>Core Course - I:</b> Programming in C	Units I - V	Nomenclature Changed and Contents Retained	-
		18UCAC1P	Core Course -II : C Programming Lab		21UCAC1P	<b>Core Course - II:</b> Practical: C Programming	24 programs	Changed	As per Board's recommendation programmes using Data structure added.
		18UCAN11	Non Major Elective Course :Basics of Computers		-	-	-	Shifted to Semester- III	To give better understanding of the Interdisciplinary Courses, it is shifted to Semester III.
		18UCAE1P	Enrichment Course I -:Libre Office Lab		21UCAS1P	<b>Skill Enhancement Course - I:</b> Practical: Office Automation	12 Programs	Nomenclature Changed Programs list retained	-

	II	18UCAC21	Core -III: Programming in C++	II	21UCAC21	<b>Core Course - III:</b> Object Oriented Programming with C++	Units I - V	Nomenclature Changed and Contents Retained	-
		18UCAC2P	Core- IV : Programming in C++ Lab		21UCAC2P	<b>Core Course - IV:</b> Practical: Object Oriented Programming with C++	23 Programs	Changed	As per the Board's recommendation File manipulations program included.
		18UCAN21	Non Major Elective Course II :Web Programming		-	-	-	Shifted to semester - IV	To enhance the understanding of the Interdisciplinary Courses, it is shifted to Semester IV.
		18UCAE2P	Enrichment Course-II: Pre-Press Design Lab		21UCAS2P	<b>Skill Enhancement Course - II:</b> Practical : Prepress Designing	13 Programs	Nomenclature Changed and Contents Retained	----
	III	18UCAC31	<b>Core V :</b> Programming in JAVA	III	21UCAC31	<b>Core Course - V:</b> Object Oriented Programming with JAVA	Units I - V	Nomenclature Changed and Contents Retained	----
		18UCAC3P	<b>Core VI :</b> Programming in JAVA Lab		21UCAC3P	<b>Core Course - VI:</b> Practical: Object Oriented Programming with JAVA	18 programs	Nomenclature Changed and Contents Retained	----
		18UCAA31	<b>Allied Course III:</b> Digital		21UCAA31	<b>Allied Course - III:</b> Digital Principles	Units I - III	Retained	As per the Board's recommendation Pipelining

			Principles and Computer Organization		And Computer Organization	Units IV and V	Contents changed	concept included.	
		18UCAS3P	<b>Skill Based Course - I</b> :Digital Lab		21UCAS3P	<b>Skill Enhancement Course - III:</b> Practical: Digital Electronics	11 programs	Nomenclature Changed and Contents Retained	----
		18UCAV3P	<b>Value Based Course - I</b> :Numerical Aptitude		-	-	-	Shifted to semester IV	As per the curriculum structure course is shifted to semester IV
					21UCAN31	<b>Non-Major Elective Course - I:</b> Basics of Computers	-	Shifted from Semester I and retained.	To enhance the understanding of the Interdisciplinary Courses, it is shifted from Semester I.
	IV	18UCAC41	<b>Core Course - VII</b> :Data Base Management System	IV	21UCAC41	<b>Core Course - VII:</b> Open Source Technology And RDBMS	Units I -III	Nomenclature and contents changed Modified contents from DBMS included	Based on the feedback from alumni the Open source technology added with RDBMS concepts.

						Units IV-V	Web programming with open source content added	
		18UCAC4P	<b>Core Course - VIII :</b> Web Programming with Open Source and DBMS Lab		21UCAC4P	<b>Core Course - VIII:</b> Practical : Open Source Technology And RDBMS 20 Programs	Nomenclature Changed and Contents Retained	Based on the feedback from alumni the Open source technology added with RDBMS
		18UCAA41	<b>Allied Course - IV :</b> Basic Financial Accounting		21UCAA41	<b>Allied Course - IV :</b> Basics of Financial Accounting Units I - V	Nomenclature Changed and Contents Retained	-
		18UCA041	<b>Major Elective Course - I :</b> 1. Web Programming with Open Source				Shifted and merged with Core Course and Title of the course is changed.	-
		18UCA042	<b>Major Elective Course - I :</b> 2. Artificial Intelligence & Expert Systems				Shifted to 5 <sup>th</sup> semester	As per the curriculum structure shifted to 5 <sup>th</sup> semester

		18UCA043	<b>Major Elective Course - I :</b> 3. Consumer Affairs					Removed	-
					21UCAM41	<b>Self-paced Learning (Swayam/NPTEL Course)</b> 1. Soft Skills		Introduced the new course	To mobilize credit transfer through self-directed learning
					21UCAM42	2. Cloud Computing		Introduced the new course	To mobilize credit transfer through self-directed learning
				IV	21UCAN41	<b>Non-Major Elective Course - II:</b> Web Programming		Shifted from Semester II and retained	To enhance the understanding of the Interdisciplinary Courses, it is shifted from Semester II.
					21UCAS41	<b>Skill Enhancement Course - IV:</b> Numerical Aptitude	Units I - V	Moved and retained	As per the recommendation of Stake holder this course moved from 3 <sup>rd</sup> Semester
	V	18UCAC51	<b>Core Course -IX :</b> Dot Net Programming					Removed	As per the curriculum structure number of core courses restricted
	V	18UCAC5P	<b>Core Course - X :</b> Dot Net Programming Lab	V				Removed	As per the curriculum structure number of core courses restricted
				V	21UCAC51	<b>Core Course - IX:</b> Computer Graphics And Image Processing	Units I - IV	Shifted from 6 <sup>th</sup> Semester Contents retained	Based on the feedback from alumni this Course shifted from 6 <sup>th</sup> Semester and Multimedia concepts replaced by Digital image

						Unit V	Contents replaced	processing.
				21UCAC5P	<b>Core Course - X:</b> Practical: Computer Graphics And Image Processing	16 programs	Shifted from 6 <sup>th</sup> Semester and Contents changed	Lab Exercises changed as per the Syllabi (Core Course - IX) and new list of programs are included.
		18UCAC52	<b>Core Course - XI :</b> Software Engineering and Testing	21UCAC52	<b>Core Course - XI:</b> Software Engineering	Units I - V	Nomenclature Changed and Contents Retained	-
		18UCAC5P	<b>Core Course - XII:</b> Mobile Application Development Lab	21UCAC5Q	<b>Core Course - XII:</b> Practical: Android Applications & Virtual Gaming	10 Programs	Nomenclature Changed and Contents Changed	As per the curriculum structure number of core courses restricted , Virtual gaming shifted from 6 <sup>th</sup> semester and merged with mobile applications.
		18UCAC53	<b>Core Course - XIII :</b> Computer Networks and Security				Shifted to Major Elective Course - I	As per the curriculum structure number of core courses restricted
				21UCA051	<b>Major Elective Course - I:</b> 1. Computer Networks	Units I - V	Shifted from Core and Retained	As per the curriculum structure number of core courses restricted
				21UCA052	<b>Major Elective Course - I:</b> 2. E-Commerce			As per the Board recommendation this course (E-Commerce Technologies) moved from 6 <sup>th</sup>

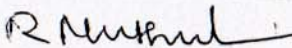
					Technologies			Semester.	
					21UCA053	<b>Major Elective Course - I:</b> 3. Artificial Intelligence & Expert Systems		As per the curriculum structure shifted from 4 <sup>th</sup> semester	
		18UCA051	<b>Major Elective Course - II :</b> 1.Fundamentals of data structures and algorithms		21UCA054	<b>Major Elective Course - II:</b> 1. Data Structures and Algorithms	Units I - V	Nomenclature Changed and Contents Retained	-
		18UCA052	<b>Major Elective Course - II :</b> 2. Cyber Security		21UCA055	<b>Major Elective Course - II:</b> 2. Cyber Security		Retained	-
		18UCA053	<b>Major Elective Course - II :</b> 3. Soft Computing		21UCA056	<b>Major Elective Course - II:</b> 3.Soft Computing		Retained	-
		18UCAS5P	<b>Skill Based Course - II :</b> Accounting Package Lab	V	21UCAS5P	<b>Skill Enhancement Course - V:</b> Practical: Accounting Package	12 Programs	Nomenclature Changed and Contents Retained	-
		18UCAS5Q	<b>Skill Based Course - III :</b> Programming in Python Lab					Shifted from core course XIV	-
		18UCAJ51	On Job Training		21UCAJ51	<b>Internship</b>	-	Nomenclature changed	-

		18UCAC61	<b>Core Course - XIV :Operating System</b>	VI	21UCAC61	<b>Core Course - XIII:</b> System Software and Operating Systems	Unit I	Nomenclature changed System software Contents added	As per the feedback from stakeholders for the better understanding of Operating systems, System software included.
							Units II -V	Contents revised	
					21UCAC62	<b>Core Course - XIV:</b> Programming in Python	Units I - V	Framed the new Syllabus	Introduced as per the recommendation from stakeholders.
					21UCAC6P	<b>Core Course - XV:</b> Practical: Python and R Programming	15 Programs	Framed the new Syllabus	Introduced as per the recommendation from stakeholders Python along with R Programming included.
		18UCAC62	<b>Core Course - XV:</b> Advanced Computing Techniques		21UCAC63	<b>Core Course - XVI:</b> Advanced Computing	Units I - V	Nomenclature changed and Contents revised	As per the Board's recommendation GPRS and Machine Learning concepts included.
		18UCAC63	<b>Core Course - XVI:</b> Computer Graphics & Multimedia				Shifted to 5 <sup>th</sup> Semester		




		18UCAC6P	<b>Core Course- XVI:</b> Computer Graphics Lab					Shifted to 5 <sup>th</sup> Semester and	
		18UCAJ6P	<b>Core Course- XVIII:</b> Project and Viva Voce		21UCAJ61	<b>Core Course - XVII:</b> Project	-	Nomenclature changed.	-
		18UCA061	<b>Major Elective Course-III:</b> 1.Fundamentals of Data Mining and Bioinformatics		21UCA061	<b>Major Elective Course - III:</b> 1. Data Mining and Warehousing	Unit I	Nomenclature changed. Contents retained	Based on the alumni's feedback Bioinformatics replaced by warehousing.
						Units II - V	Contents are revised		
		18UCA062	<b>Major Elective Course-III:</b> 2. Big Data Analytics		21UCA062	<b>Major Elective Course - III:</b> 2. BigData Analytics	Units I - V	Retained	-
		18UCA063	<b>Major Elective Course-III:</b> 3. Introduction to Internet of Things		21UCA063	<b>Major Elective Course - III:</b> 3. Internet of Things	Units I - V	Nomenclature changed and Retained	-

	18UCAS6P	Skill Based Course-IV: Virtual Gaming Lab					Shifted and Merged	-
	18UCAV6Q	Value Based Course II: Linux Shell Programming Lab		21UCAS6P	Skill Enhancement Course - VI: Practical: Shell Programming	13 Programs	Retained	-
<b>CERTIFICATE COURSE</b>								
	18UCAEXP	Advanced Flash Lab		-	-	-	Removed	-
	18UCAEXQ	Worksheet Programming Lab	III	21UCAEXP	Certificate Course in Worksheet Programming	16 Programs	Changed	In order to satisfy the local needs, this course is introduced
			IV	21UCAEXQ	Certificate Course in Advanced Web programming	10 Programs	Framed the new Syllabus	In order to satisfy the global needs, this course is introduced
			V	21UCAEXR	Certificate Course in Information security	Units I - V	Framed the new Syllabus	Based on the feedback from alumni, introduced this course.
			VI	21UCAEXS	Certificate Course in Data Science and Big data analytics	Units I - V	Framed the new Syllabus	In order to satisfy the global needs, this course is introduced.
			VI	21UCAEXT	Certificate Course in Software testing	10 Programs	Framed the new Syllabus	In order to satisfy the global needs, this course is introduced.

  
HOD

  
DEAN OF APPLIED SCIENCE

  
DEAN OF ACADEMIC AFFAIRS

  
PRINCIPAL

## Members Present

1. **Dr. K. Perumal, (University Nominee)**  
Professor, Department of Computer Applications,  
Madurai Kamaraj University, Madurai.
2. **Dr. K. Suthendran, (Academic Expert 1)**  
Head & Associate Professor of Information Technology,  
Kalasalingam Academy of Research and Education,  
Krishnankoil - 626126.
3. **Dr. G. Marimuthu, (Academic Expert 2)**  
Head and Associate Professor,  
Department of Computer Science,  
Yadava College, Madurai.
4. **Ms. R. Muthulakshmi (Chairman of the Board)**  
Vice Principal and Head,  
Associate Professor of Computer Applications  
Sri Kaliswari College (Autonomous), Sivakasi.

**Dr. K. PERUMAL** M.Sc., M.Phil., Ph.D.  
Professor  
Department of Computer Applications  
School of Information Technology  
MADURAI KAMARAJ UNIVERSITY  
MADURAI-625 021.

## Members

5. Mrs. M. Guru Maheswari, Assistant Professor
6. Mr. K. Ganeshbabu, Assistant Professor
7. Mr. R. Prabakaran, Assistant Professor
8. Mr. M. Muthusrinivasan, Assistant Professor
9. Mr. S. V. Pasupathi, Assistant Professor
10. Mr. R. Srijanakiraman, Assistant Professor

- G. Marimuthu

- R. Muthulakshmi

- M. Guru Maheswari

- K. Ganeshbabu

- R. Prabakaran

- M. Muthusrinivasan

- S. V. Pasupathi

- R. Sri Panali Raman

R. Muthulakshmi  
HOD

[Signature]  
Dean of Applied Science

S. Jemins  
Dean of Academic Affairs

[Signature]  
Principal