



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
Sivakasi**

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC,  
College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

**NAAC SSR Cycle IV (2015-2020)**

**1.1. CURRICULUM DESIGN AND DEVELOPMENT**

**1.1.2. REVISION OF SYLLABUS**

**PERCENTAGE OF SYLLABUS REVISION  
2020 AND LATER**



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
SIVAKASI – 626 123.**

(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC,  
College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2020 AND LATER**

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
SIVAKASI.

DEPARTMENT OF COMPUTER SCIENCE  
B.Sc COMPUTER SCIENCE – PROGRAMME CODE: BDCS  
(For those who have joined in June 2020 and later)

S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	2
3.	Part III	5
4.	Part IV	4
Total		15

Total Number of Courses having changes : 15

Total Number of Courses : 44

Percentage of Revision : 34

Signature of the HOD with Seal

**A. LEENA BENITA M.C.A., M.Phil.,  
Head, Dept. of Computer Science,  
S.F.R.College for Women,  
SIVAKASI - 626 123.**



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**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2020 AND LATER**

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI B.Sc. Computer Science– Allotment of Hours and Credits (for those who have joined in 2020 and later)									
Courses	Semester						Total No. of Credits		
	I	II	III	IV	V	VI			
<b>Language Courses</b>									
<b>Part I – Tamil / Hindi/ French Language Course</b>	6(3)	6(3)	6(3)	6(3)	-	-	<b>12</b>		
<b>Part II - English Language Course</b>	6(3)	6(3)	6(3)	6(3)	-	-	<b>12</b>		
<b>Part III – Major, Major Elective and Allied Courses</b>									
<b>Major</b>	Theory	Course I	4(4)	4(4)	4(4)	4(4)	5(5)	5(5)	
		Course II	-	-	4(4)	-	-	4(4)	
	Practical	Lab I	5(4)	5(3)	4(3)	4(3)	5(3)	5(4)	
		Lab II	2(1)	-	-	-	5(3)	-	
		Internship / On-The-Job Training	-	-	-	-	- (1)	-	
Project	-	-	-	-	-	6(4)			
<b>Major Elective</b>	Theory	Course I	-	-	-	-	5(5)	5(5)	
		Course II	-	-	-	-	5(4)	-	
	Practical	Lab I	-	-	-	-	-	-	
<b>Allied</b>	Theory	5(5)	5(5)	3(3)	3(3)	-	-		
	Practical	-	-	3(2)	3(2)	-	-		
<b>Total No. of Credits</b>			<b>14</b>	<b>12</b>	<b>16</b>	<b>12</b>	<b>21</b>	<b>22</b>	<b>97</b>
<b>Part-IV Ability Enhancement Courses</b>									
<b>Value Added Courses</b>									
1) Environmental Studies	2(2)	-	-	-	-	-	-		
2) Value Education & Gender Studies	-	2(2)	-	-	-	-	-		
<b>Non Major Elective Courses</b>									
1) NME I	-	-	-	2(2)	-	-	-		
2) NME II	-	-	-	-	2(2)	-	-		
<b>Skill Based Courses</b>									
1) Computer Literacy	-	2(2)	-	-	-	-	-		
2) Discipline Specific Course	-	-	-	2(2)	-	-	-		
3) Career Guidance	-	-	-	-	2(2)	-	-		
4) Self Employment / Job Oriented Courses – <b>Theory</b>	-	-	-	-	-	2(2)	-		
5) Self Employment/ Job Oriented Courses – <b>Practical / Project</b>	-	-	-	-	-	-	2(2)		
Library and Information Science	-	-	-	-	1(*)	1(*)	-		
<b>Total</b>	<b>2</b>	<b>4</b>	<b>-</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>18</b>		
<b>Part-V: Social Awareness Programme and Physical Education</b>									
National Service Scheme/National Cadet Corps/Extension Activities/Youth Red Cross and Blood Donors Club / Social Service League/Red Ribbon Club/Citizen Consumer Club/Environment Club/Physical Education	1(*)	1(1)	-	-	-	-	1		
<b>Total Credits</b>							<b>140</b>		

*A. Leena Benita*  
SIGNATURE OF THE HOD

**A. LEENA BENITA M.C.A., M.Phil.,**  
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*T. Palavesi*  
PRINCIPAL

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**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2020 AND LATER**

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF COMPUTER SCIENCE B.Sc. COMPUTER SCIENCE (for those who have joined in 2020 and later) OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM PROGRAMME CODE – BDCS PROGRAMME SCHEME								
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
<b>Semester I</b>								
Part I	BDGT11/	சங்க இலக்கியமும் உரைநடையும்	6	3	3	40	60	100
	BDGH11/ BDGF11	HINDI LANGUAGE COURSE – I/ FRENCH LANGUAGE COURSE – I						
Part II	BDGE11	ENGLISH FOR COMMUNICATION – I	6	3	3	40	60	100
Part III	BDCS11	Major Courses PROGRAMMING IN C	4	4	3	40	60	100
	BDCS1L1	PROGRAMMING IN C LAB	5	4	3	50	50	100
	BDCS1L2	PC SOFTWARE LAB	2	1	3	50	50	100
Part IV	BDCS1A	Allied Courses DIGITAL COMPUTER FUNDAMENTALS	5	5	3	40	60	100
	BDES11	Value Added Course ENVIRONMENTAL STUDIES	2	2	2	40	60	100
<b>Total</b>			<b>30</b>	<b>22</b>				<b>700</b>
<b>Semester II</b>								
Part I	BDGT21/	அறிவிலக்கியமும் தன்முன்னேற்றக் கட்டுரைகளும் /	6	3	3	40	60	100
	BDGH21/ BDGF21	HINDI LANGUAGE COURSE -II / FRENCH LANGUAGE COURSE – II						
Part II	BDGE21	ENGLISH FOR COMMUNICATION – II	6	3	3	40	60	100
Part III	BDCS21	Major Courses OBJECT ORIENTED PROGRAMMING IN C++	4	4	3	40	60	100
	BDCS2L	PROGRAMMING IN C++ LAB	5	3	3	50	50	100
	BDCS2A	Allied Courses DATA STRUCTURES	5	5	3	40	60	100
Part IV	BDVG21	Value Added Course VALUE EDUCATION & GENERAL STUDIES	2	2	2	40	60	100
	BDCL21	Skill Based Course COMPUTER INSTALLATION & SERVICING	2	2	2	40	60	100
Part V	BDSA2	Social Awareness Programme and Physical Education	-	1	-	-	-	100
<b>Total</b>			<b>30</b>	<b>23</b>				<b>800</b>



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**B.Sc. COMPUTER SCIENCE**

**JUNE 2020 AND LATER**

Semester III								
Part I	BDGT31/ BDGH31/ BDGF31	சமய இலக்கியமும் நாடகமும்/ HINDI LANGUAGE COURSE - III / FRENCH LANGUAGE COURSE - III	6	3	3	40	60	100
Part II	BDGE31	ENGLISH FOR ENRICHMENT – I	6	3	3	40	60	100
	BDCS31	Major Courses OPERATIONS RESEARCH	4	4	3	40	60	100
	BDCS32	DATABASE MANAGEMENT SYSTEMS	4	4	3	40	60	100
	BDCS3L	DBMS LAB	4	3	3	50	50	100
	BDCS3A	Allied Courses WEB DESIGNING	3	3	3	40	60	100
	BDCS3AL	WEB DESIGNING LAB	3	2	3	50	50	100
<b>Total</b>			<b>30</b>	<b>22</b>				<b>700</b>
Semester IV								
Part I	BDGT41/ BDGH41/ BDGF41	கவிதை இலக்கியமும் சிறுகதையும்/ HINDI LANGUAGE COURSE - IV / FRENCH LANGUAGE COURSE - IV	6	3	3	40	60	100
Part II	BDGE41	ENGLISH FOR ENRICHMENT – II	6	3	3	40	60	100
	BDCS41	Major Courses PHP PROGRAMMING	4	4	3	40	60	100
	BDCS4L	PHP PROGRAMMING LAB	4	3	3	50	50	100
Part III	BDCS4A	Allied Course COMPUTER ORIENTED NUMERICAL METHODS	3	3	3	40	60	100
	BDCS4AL	PYTHON PROGRAMMING LAB	3	2	3	50	50	100
Part IV	BD4N	Non Major Elective Course	2	2	2	40	60	100
	BDCS4DSL	Skill Based Course Discipline Specific Course ANGULAR FRAMEWORK LAB	2	2	3	50	50	100
<b>Total</b>			<b>30</b>	<b>22</b>				<b>800</b>
Semester V								
	BDCS51	Major Courses .NET PROGRAMMING	5	5	3	40	60	100
	BDCS5L1	PROGRAMMING IN JAVA LAB	5	3	3	50	50	100
	BDCS5L2	.NET PROGRAMMING LAB	5	3	3	50	50	100
Part III	BDCS5V	Internship / On-the Job Training	-	1	-	-	100	100
	BDCS5E1 / BDCS5E2	Major Elective Courses PROGRAMMING IN JAVA / BLUETOOTH TECHNOLOGY	5	5	3	40	60	100
	BDCS5E3 / BDCS5E4	OPERATING SYSTEMS / DATA MINING	5	4	3	40	60	100
Part IV	BD5N	Non Major Elective Course	2	2	2	40	60	100
	BDCG51	Skill Based Course CAREER GUIDANCE	2	2	2	40	60	100
	-	LIBRARY AND INFORMATION SCIENCE	1	-	-	-	-	-
<b>Total</b>			<b>30</b>	<b>25</b>				<b>800</b>
Study tour / Field visit mandatory								



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**JUNE 2020 AND LATER**

Semester VI								
Part III	BDSC61	<b>Major Courses</b> COMPUTER GRAPHICS	5	5	3	40	60	100
	BDSC62	SOFTWARE ENGINEERING	4	4	3	40	60	100
	BDSC6L	COMPUTER GRAPHICS LAB	5	4	3	50	50	100
	BDSC6P	PROJECT WORK	6	4	3	-	100	100
	BDSC6E1/ BDSC6E2	<b>Major Elective Course</b> COMPUTER NETWORKS / SYSTEM SOFTWARE	5	5	3	40	60	100
Part IV	BDSE/ BDJO	<b>Skill Based Courses</b> SELF EMPLOYMENT/ JOB ORIENTED COURSES – <b>Theory</b>	2	2	2	40	60	100
	BDSE/ BDJO	SELF EMPLOYMENT/ JOB ORIENTED COURSES – <b>Practical</b>	2	2	3	50	50	100
	-	LIBRARY AND INFORMATION SCIENCE	1	-	-	-	-	-
<b>Total</b>			<b>30</b>	<b>26</b>				<b>700</b>

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI  
DEPARTMENT OF COMPUTER SCIENCE

**COURSES OFFERED FOR OTHER MAJOR STUDENTS**

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
<b>Semester IV</b>								
Part IV	BDSC4N	<b>Non Major Elective Course</b> COMPUTERS TODAY	2	2	2	40	60	100
<b>Semester V</b>								
Part IV	BDSC5N	<b>Non Major Elective Course</b> FLASH	2	2	2	40	60	100
<b>Semester VI</b>								
Part IV	BDSE69	<b>Skill Based Courses – Self-Employment / Job Oriented Courses</b> MOBILE PHONE SERVICING	2	2	2	40	60	100
	BDSE69L	MOBILE PHONE SERVICING LAB	2	2	3	50	50	100
	BDJO63	TALLY	2	2	2	40	60	100
	BDJO63L	TALLY LAB	2	2	3	50	50	100

*A. Leena Benita*

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**NAAC SSR Cycle IV (2015-2020)**

**1.1. CURRICULUM DESIGN AND DEVELOPMENT**

**1.1.2. REVISION OF SYLLABUS**

**PERCENTAGE OF SYLLABUS REVISION  
2017 AND LATER**



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**B.Sc. COMPUTER SCIENCE**

**JUNE 2017 AND LATER**

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
SIVAKASI.

DEPARTMENT OF COMPUTER SCIENCE  
B.Sc COMPUTER SCIENCE – PROGRAMME CODE: GLCS  
(For those who have joined in June 2017 and later)

S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	4
3.	Part III	5
4.	Part IV	3
Total		16

Total Number of Courses having changes : 16

Total Number of Courses : 43

Percentage of Revision : 37

Signature of the HOD with Seal

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PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2017 AND LATER**

**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN, SIVAKASI  
B.Sc. Computer Science – Allotment of Hours and Credits  
(for those who joined in 2017 and later)**

Courses			Semester						Total No. of Credits
			I	II	III	IV	V	VI	
<b>Language Courses</b>									
Part I - Tamil			6(3)	6(3)	6(3)	6(3)	-	-	24
Part II - English Language Course			6(3)	6(3)	6(3)	6(3)	-	-	
<b>Part III – Major and Allied Courses</b>									
b) Major	Theory	Course I	5(5)	4(4)	4(4)	4(4)	5(5)	5(5)	
		Course II	-	-	3(3)	-	5(5)	4(4)	
		Course III	-	-	-	-	5(5)	5(5)	
	Practical	Lab I	6(4)	5(3)	3(2)	4(3)	5(3)	5(4)	
		Lab II	-	-	-	-	5(3)	-	
		Project	-	-	-	-	-	6(4)	
Allied	Theory	5(5)	5(5)	3(3)	3(3)	-	-		
	Practical	-	-	3(2)	3(2)	-	-		
<b>Total</b>			<b>14</b>	<b>12</b>	<b>14</b>	<b>12</b>	<b>21</b>	<b>22</b>	<b>95</b>
<b>Part-IV Value Added / Non-Major / Skill based Courses</b>									
<b>Value Added Courses</b>									
1) Peace Education			2(2)	-	-	-	-	-	20
2) Environment Studies			-	2(2)	-	-	-	-	
<b>Non Major Courses</b>									
i) NME - I			-	-	2(2)	-	-	-	
ii) NME – II			-	-	-	2(2)	-	-	
<b>Skill Based Courses</b>									
1) Computer Literacy			-	2(2)	-	-	-	-	
2) Discipline Specific Course			-	-	-	2(2)	-	-	
3) Career Guidance and Subject Viva			-	-	-	-	2(2)	-	
4) Women Studies			-	-	-	-	2(2)	-	
5) Self Employment / Job Oriented Courses – Theory			-	-	-	-	-	2(2)	
6) Self Employment/ Job Oriented Courses – Practical / Project			-	-	-	-	-	2(2)	
Library and Information Science			-	-	-	-	1(*)	1(*)	
<b>Total</b>			<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>20</b>
<b>Part-V: Extension Activities – Physical Education &amp; Social Awareness Programme</b>									
NSS/NCC/Physical Education/ Extension Activities/Youth Red Cross/ Social Service League/Red Ribbon Club/Citizen Consumer Club/Environmental Club			1(*)	1(1)	-	-	-	-	1
<b>Total Credits</b>									<b>140</b>

*A. I. Eena Benita*

SIGNATURE OF THE HOD

**A. I. EENA BENITA M.C.A., M.Phil.,**  
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**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2017 AND LATER**

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF COMPUTER SCIENCE B.Sc. COMPUTER SCIENCE PROGRAMME (For those who have joined in 2017 and later) CHOICE BASED CREDIT SYSTEM PROGRAMME CODE – GLCS PROGRAMME SCHEME								
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
<b>Semester I</b>								
Part I	GLGT11/ GLGH11/ GLGF11	சங்க இலக்கியமும் உரைநடையும் / Hindi Language Course – I/ French Language Course - I	6	3	3	25	75	100
	Part II	GLEN11	Communicative English-I	6	3	3	25	75
Part III	GLCS11	PROGRAMMING IN C	5	5	3	25	75	100
	GLCS1A	DIGITAL PRINCIPLES AND APPLICATIONS	5	5	3	25	75	100
	GLCS1L	C AND PC SOFTWARE LAB	6	4	3	40	60	100
Part IV	GLPE11	Peace Education	2	2	2	25	75	100
<b>Total</b>			<b>30</b>	<b>22</b>				<b>600</b>
<b>Semester II</b>								
Part I	GLGT21/ GLGH21/ GLGF21	சாப்பிய இலக்கியமும் புதினமும் / Hindi Language Course -II / French Language Course - II	6	3	3	25	75	100
	Part II	GLEN21	Communicative English-II	6	3	3	25	75
Part III	GLCS21	OBJECT ORIENTED PROGRAMMING IN C++	4	4	3	25	75	100
	GLCS2A	COMPUTER ORGANIZATION	5	5	3	25	75	100
	GLCS2L	PROGRAMMING IN C++ LAB	5	3	3	40	60	100
Part IV	GLES21	Value Added Course Environmental studies	2	2	2	25	75	100
	GLCL21	Value Added Course Computer Installation & Servicing	2	2	2	25	75	100
Part V	-	Extension Activities – Physical Education and Social Awareness Programme		1				100
<b>Total</b>			<b>30</b>	<b>23</b>				<b>800</b>
<b>Semester III</b>								
Part I	GLGT31/ GLGH31/ GLGF31	சமய இலக்கியமும் நாடகமும் / Hindi Language Course –III / French Language Course - III	6	3	3	25	75	100
	Part II	GLEN31	Communicative English-III	6	3	3	25	75
Part III	GLCS31	DATA STRUCTURES	4	4	3	25	75	100
	GLCS32	DATABASE MANAGEMENT SYSTEMS	3	3	3	25	75	100
	GLCS3A	OPERATIONS RESEARCH	3	3	3	25	75	100
	GLCS3L	DATA STRUCTURES LAB	3	2	3	40	60	100
	GLCS3AL	DBMS LAB	3	2	3	40	60	100
Part IV	GLNM	Non Major Elective I	2	2	2	25	75	100



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**B.Sc. COMPUTER SCIENCE**

**JUNE 2017 AND LATER**

		Total	30	22				800
<b>Semester IV</b>								
<b>Part I</b>	GLGT41/	கவிதை இலக்கியமும் சிறுகதையும்/						
	GLGH41/ GLGF41	Hindi Language Course -IV/ French Language Course - IV/	6	3	3	25	75	100
<b>Part II</b>	GLEN41	Communicative English-IV	6	3	3	25	75	100
<b>Part III</b>	GLCS41	.NET PROGARMMING	4	4	3	25	75	100
	GLCS4A	COMPUTER ORIENTED NUMERICAL METHODS	3	3	3	25	75	100
	GLCS4L	.NET PROGRAMMING LAB	4	3	3	40	60	100
	GLCS4AL	HTML LAB	3	2	3	40	60	100
<b>Part IV</b>	GLNM	Non Major Elective II	2	2	2	25	75	100
	GLCS4DSL	PYTHON PROGRAMMING LAB	2	2	2	40	60	100
		<b>Total</b>	<b>30</b>	<b>22</b>				<b>800</b>
<b>Semester V</b>								
<b>Part III</b>	GLCS51	WEB TECHNOLOGY	5	5	3	25	75	100
	GLCS5EA	Elective I	5	5	3	25	75	100
	GLCS5EB	Elective II	5	5	3	25	75	100
	GLCS5L1	PROGRAMMING IN JAVA LAB	5	3	3	40	60	100
	GLCS5L2	WEB TECHNOLOGY LAB	5	3	3	40	60	100
<b>Part IV</b>	GLGV51	Value Added Course Career Guidance and Subject Viva	2	2	2	25	75	100
	GLWS51	Value Added Course Women Studies	2	2	2	25	75	100
	-	Library and Information Science	1	-	-	-	-	-
		<b>Total</b>	<b>30</b>	<b>25</b>				<b>700</b>
<b>Semester VI</b>								
<b>Part III</b>	GLCS61	COMPUTER GRAPHICS	5	5	3	25	75	100
	GLCS62	SOFTWARE ENGINEERING	4	4	3	25	75	100
	GLCS6EC	Elective III	5	5	3	25	75	100
	GLCS6L	COMPUTER GRAPHICS LAB	5	4	3	40	60	100
	GLCS6P	PROJECT WORK	6	4	3	-	-	100
<b>Part IV</b>	GLSE/ GLJO	<b>Skill Based Courses (Open to all)</b> Self Employment/ Job Oriented courses – <b>Theory</b>	2	2	2	25	75	100
	GLSE/ GLJO	Self-Employment/ Job Oriented courses – <b>Practical</b>	2	2	3	40	60	100
	-	Library and Information Science	1	-	-	-	-	-
		<b>Total</b>	<b>30</b>	<b>26</b>				<b>700</b>



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
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College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2017 AND LATER**

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI

DEPARTMENT OF COMPUTER SCIENCE

COURSES OFFERED FOR OTHER MAJOR STUDENTS

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
<b>Semester III</b>								
Part IV	GLCS3N	COMPUTERS TODAY	2	2	2	25	75	100
<b>Semester IV</b>								
Part IV	GLCS4N	FLASH	2	2	2	25	75	100
<b>Semester VI</b>								
Part IV		<b>Skill Based Courses (Open to all) Self Employment Courses / JOC MOBILE PHONE SERVICING</b>	2	2	2	25	75	100
	GLSE69	MOBILE PHONE SERVICING	2	2	3	40	60	100
	GLSE69L	MOBILE PHONE SERVICING LAB	2	2	3	40	60	100
	GLJO63	TALLY	2	2	2	25	75	100
	GLJO63L	TALLY LAB	2	2	3	40	60	100

*A. I. Eena Benita*

SIGNATURE OF THE HOD

**A. I. EENA BENITA M.C.A., M.Phil.,  
Head, Dept. of Computer Science,  
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**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
Sivakasi**

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College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

**NAAC SSR Cycle IV (2015-2020)**

**1.1. CURRICULUM DESIGN AND DEVELOPMENT**

**1.1.2. REVISION OF SYLLABUS**

**PERCENTAGE OF SYLLABUS REVISION  
2014 AND LATER**



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
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**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2014 AND LATER**

**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
SIVAKASI.  
DEPARTMENT OF COMPUTER SCIENCE  
B.Sc COMPUTER SCIENCE – PROGRAMME CODE: 14UCS  
(For those who have joined in June 2014 and later)**

S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	4
3.	Part III	6
4.	Part IV	1
<b>Total</b>		<b>15</b>

Total Number of Courses having changes : 15

Total Number of Courses : 43

Percentage of Revision : 34.9

Signature of the HOD with Seal

**A. LEENA BENITA M.C.A., M.Phil.,  
Head, Dept. of Computer Science,  
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SIVAKASI - 626 123.**

Principal

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**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION**

**B.Sc. COMPUTER SCIENCE**

**JUNE 2014 AND LATER**

**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN, SIVAKASI  
B.Sc., Computer Science – Allotment of Hours and Credits  
(for those who joined in 2014 and later)**

Courses			Semester						Total No. of Credits	
			I	II	III	IV	V	VI		
<b>Language Courses</b>										
Part I - Tamil			6(3)	6(3)	6(3)	6(3)	-	-	24	
Part II - English Language Course			6(3)	6(3)	6(3)	6(3)	-	-		
<b>Part III – Major and Allied Courses</b>										
b) Major	Theory	Course I	5(5)	4(4)	4(4)	-	5(5)	5(5)		
		Course II	-	-	3(3)	4(4)	5(5)	4(4)		
		Course III	-	-	-	-	5(5)	5(5)		
	Practical	Lab I	6(4)	5(3)	3(2)	4(2)	5(4)	5(4)		
		Lab II	-	-	-	-	5(3)	-		
		Project	-	-	-	-	-	6(4)		
Allied	Theory	5(5)	5(5)	3(3)	3(3)	-	-			
	Practical	-	-	3(2)	3(2)	-	-			
<b>Total</b>			<b>14</b>	<b>12</b>	<b>14</b>	<b>11</b>	<b>22</b>	<b>22</b>	<b>95</b>	
<b>Part IV – Non Major Courses/Value Added Courses</b>										
Peace Education			2(2)	-	-	-	-	-		
Environment Studies			-	2(2)	-	-	-	-		
i) NME - I			-	-	2(2)	-	-	-		
ii) NME – II			-	-	-	2(2)	-	-		
1) Computer Literacy			-	2(2)	-	-	-	-		
2) Soft Skill enhancement			-	-	-	2(2)	-	-		
3) Career Guidance and Subject Viva			-	-	-	-	2(2)	-		
4) Women Studies			-	-	-	-	2(2)	-		
5) Skill Based Courses : Self Employment / Job Oriented Courses – Theory			-	-	-	-	-	2(2)		
6) Skill Based Courses : Self Employment / Job Oriented Courses – Practical / Field work / Project			-	-	-	-	-	2(2)		
Library and Information Science			-	-	-	-	1(*)	1(*)		
<b>Total</b>			<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>4</b>		<b>20</b>
<b>Part V: Extension Activities–Physical Education &amp; Social Awareness Programme</b>										
NSS/NCC/Physical Education/Extension Activities/Youth Red Cross/Social Service League			1(*)	1(1)	-	-	-	-		1
<b>Total Credits</b>									<b>140</b>	

*A. Leena Benita*  
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**A. LEENA BENITA** M.C.A., M.Phil.,  
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**DEPARTMENT OF COMPUTER SCIENCE  
PERCENTAGE OF SYLLABUS REVISION  
B.Sc. COMPUTER SCIENCE  
JUNE 2014 AND LATER**

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI DEPARTMENT OF COMPUTER SCIENCE B.Sc. COMPUTER SCIENCE PROGRAMME (For those who have joined in 2014 and later) CHOICE BASED CREDIT SYSTEM PROGRAMME CODE – 14UCS PROGRAMME SCHEME									
Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted			
						Internal	External	Total	
<b>Semester I</b>									
Part I	14UGT11/	கந்தாலுலக்கியம்/	6	3	3	25	75	100	
	14UGH11/ 14UGE11	Hindi Language Course – I/ French Language Course – I							
Part II	14UGE11	Communicative English-I	6	3	3	25	75	100	
Part III	14UCS11	PROGRAMMING IN C	5	5	3	25	75	100	
	14UCS1A	DIGITAL PRINCIPLES AND APPLICATIONS	5	5	3	25	75	100	
	14UCS1L	C AND PC SOFTWARE LAB	6	4	3	40	60	100	
Part IV	14UPE11	Peace Education	2	2	2	25	75	100	
<b>Total</b>			<b>30</b>	<b>22</b>				<b>600</b>	
<b>Semester II</b>									
Part I	14UGT21/	பக்திஇலக்கியம்/	6	3	3	25	75	100	
	14UGH21/ 14UGE21	Hindi Language Course -II / French Language Course - II							
Part II	14UGE21	Communicative English-II	6	3	3	25	75	100	
Part III	14UCS21	ADVANCED C PROGRAMMING	4	4	3	25	75	100	
	14UCS2A	COMPUTER ORGANIZATION	5	5	3	25	75	100	
	14UCS2L	ADVANCED C PROGRAMMING LAB	5	3	3	40	60	100	
Part IV	14UES21	<b>Value Added Course</b> Environmental studies	2	2	2	25	75	100	
	14UCL21	<b>Value Added Course</b> Computer Installation & Servicing	2	2	2	25	75	100	
Part V	-	Extension Activities – Physical Education and Social Awareness Programme		1				100	
<b>Total</b>			<b>30</b>	<b>23</b>				<b>800</b>	
<b>Semester III</b>									
Part I	14UGT31/	காப்பியஇலக்கியம்/	6	3	3	25	75	100	
	14UGH31/ 14UGE31	Hindi Language Course –III / French Language Course - III							
Part II	14UGE31	Communicative English-III	6	3	3	25	75	100	
Part III	14UCS31	OBJECT ORIENTED PROGRAMMING IN C++	4	4	3	25	75	100	
	14UCS32	DATA STRUCTURES	3	3	3	25	75	100	
	14UCS3A	RDBMS AND ORACLE	3	3	3	25	75	100	
	14UCS3L	PROGRAMMING IN C++ LAB	3	2	3	40	60	100	
	14UCS3AL	RDBMS LAB	3	2	3	40	60	100	





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**B.Sc. COMPUTER SCIENCE**

**JUNE 2014 AND LATER**

<b>Part IV</b>	14U3N/ 15U3N	Non Major Elective I	2	2	2	25	75	100
<b>Total</b>			<b>30</b>	<b>22</b>				<b>800</b>
<b>Semester IV</b>								
<b>Part I</b>	14UGT41/ 14UGH41/ 14UGF41	சங்கீத இலக்கியம்/ Hindi Language Course -IV/ French Language Course - IV	6	3	3	25	75	100
<b>Part II</b>	14UGE41	Communicative English-IV	6	3	3	25	75	100
<b>Part III</b>	14UCS4I	VISUAL PROGRAMMING	4	4	3	25	75	100
	14UCS4A	DYNAMIC HTML	3	3	3	25	75	100
	14UCS4L	VISUAL PROGRAMMING LAB	4	2	3	40	60	100
	14UCS4AL	HTML LAB	3	2	3	40	60	100
<b>Part IV</b>	14U4N	Non Major Elective II	2	2	2	25	75	100
	14USK4I	Soft Skill Enhancement	2	2	-	40	60	100
<b>Total</b>			<b>30</b>	<b>21</b>				<b>800</b>
<b>Semester V</b>								
<b>Part III</b>	14UCS5I	ASP.NET	5	5	3	25	75	100
	14UCS5EA	Elective I	5	5	5	25	75	100
	14UCS5EB	Elective II	5	5	3	25	75	100
	14UCS5L1	PROGRAMMING IN JAVA LAB	5	4	3	40	60	100
	14UCS5L2	ASP. NET LAB	5	3	3	40	60	100
<b>Part IV</b>	14UGV5I/ 15UGV5I	Value Added Course Career Guidance and Subject Viva	2	2	2	25	75	100
	14UWS5I	Value Added Course Women Studies	2	2	2	25	75	100
	-	Library and Information Science	1	-	-	-	-	-
<b>Total</b>			<b>30</b>	<b>26</b>				<b>700</b>
<b>Semester VI</b>								
<b>Part III</b>	14UCS6I	COMPUTER GRAPHICS	5	5	3	25	75	100
	14UCS62	SOFTWARE ENGINEERING	4	4	3	25	75	100
	14UCS6EC	Elective III	5	5	3	25	75	100
	14UCS6L	COMPUTER GRAPHICS LAB	5	4	3	40	60	100
	14UCS6P	PROJECT WORK	6	4	3	-	-	100
<b>Part IV</b>	14USE/ 14UJO	Skill Based Courses (Open to all) Self Employment/ Job Oriented courses – <b>Theory</b>	2	2	2	25	75	100
	14USEL/ 14UJOL	Self Employment/ Job Oriented courses – <b>Practical</b>	2	2	3	40	60	100
	-	Library and Information Science	1	-	-	-	-	-
<b>Total</b>			<b>30</b>	<b>26</b>				<b>700</b>



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COURSES OFFERED FOR OTHER MAJOR STUDENTS**

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
<b>Semester III</b>								
Part IV	14UCS3N/ 15UCS3N	COMPUTERS TODAY	2	2	2	25	75	100
<b>Semester IV</b>								
Part IV	14UCS4N/ 15UCS4N	FLASH	2	2	2	25	75	100
<b>Semester VI</b>								
Part IV	14USE69 / 15USE69	<b>Skill Based Courses (Open to all) Self Employment Courses / JOC MOBILE PHONE SERVICING</b>	2	2	2	25	75	100
	14USE69L/ 15USE69L	MOBILE PHONE SERVICING LAB	2	2	3	40	60	100
	14UJO63/ 15UJO63	TALLY	2	2	2	25	75	100
	14UJO63L/ 15UJO63L	TALLY LAB	2	2	3	40	60	100

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