



**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**

**1.1.3. COURSES FOCUS ON EMPLOYABILITY /
ENTREPRENEURSHIP / SKILL DEVELOPMENT**

**COURSES FOCUS ON EMPLOYABILITY /
ENTREPRENEURSHIP / SKILL
DEVELOPMENT
B.C.A – 2017 AND LATER**



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
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DEPARTMENT OF COMPUTER APPLICATIONS

B.C.A.

**COURSES FOCUS ON EMPLOYABILITY, ENTREPRENEURSHIP AND SKILL DEVELOPMENT
2017 AND LATER**

Department of Computer Applications

2017

COURSES FOCUSING ON EMPLOYABILITY, ENTREPRENEURSHIP AND SKILL DEVELOPMENT

S. No	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	I	GLCA11	Programming with C	Skill Development
2.	I	GLCA1A	Digital Circuits	Skill Development
3.	I	GLCA1L	C Programming Lab	Skill Development
4.	II	GLCA21	Object Oriented Programming with	Skill Development
5.	II	GLCA2A	Computer Oriented Numerical Methods	Employability
6.	II	GLCA2L	C++ Programming Lab	Skill Development
7.	III	GLCA31	Data Structures and Algorithms	Skill Development
8.	III	GLCA32	Programming in Java	Skill Development
9.	III	GLCA3A	Visual Programming	Skill Development
10.	III	GLCA3L	Java Programming Lab	Employability
11.	III	GLCA3AL	Visual Programming Lab	Skill Development
12.	III	GLCA3N	Animation Software	Skill Development
13.	IV	GLCA41	Database Management Systems	Skill Development
14.	IV	GLCA4A	Operating Systems	Skill Development
15.	IV	GLCA4L	DBMS Lab	Skill Development
16.	IV	GLCA4AL	DTP Lab	Skill Development
17.	IV	GLCA4N	Web Designing	Skill Development
18.	V	GLCA51	Software Engineering	Employability
19.	V	GLCA5E1/GLCA5E2/GLCA5E3	Web Technology/Computer Security/Computer Graphics	Skill Development
20.	V	GLCA5E4/GLCA5E5/GLCA5E6	Cloud Computing/ Introduction to Data Mining/ Embedded Systems	Employability
21.	V	GLCA5L1	Web Technology Lab	Entrepreneurship
22.	V	GLCA5L2	Animation Technology Lab	Skill Development
23.	VI	GLCA61	Computer Networks	Skill Development
24.	VI	GLCA62	Dot NET Programming	Skill Development
25.	VI	GLCA6E1/GLCA6E2/GLCA6E3	Operations Research/ Statistical Methods/ Graph Theory	Skill Development
26.	VI	GLCA6L	Dot NET Programming Lab	Skill Development



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27.	VI	GLCA6P	Project Work	Employability
28.	VI	GLJO62	Android Application Development	Entrepreneurship
29.	VI	GLJO62L	Android Application Development Lab	Employability


Signature of the HOD


Principal



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2017 AND LATER**

Department of Computer Applications				
2017				
COURSES FOCUSING ON EMPLOYABILITY, ENTREPRENEURSHIP AND SKILL DEVELOPMENT				
S. No	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	III	HLCA31	Resource Management Techniques	Skill Development
2.	III	HLCA32	Unix and Network Programming	Skill Development
3.	III	HLCA33	Dot NET Programming	Skill Development
4.	III	HLCA34	Principles of Compiler Design	Skill Development
5.	III	HLCA3E1/HLC A3E2/HLCA3E3	Elective III 3DAnimation Techniques/ Distributed Systems/ Advanced Databases	Employability
6.	III	HLCA3L1	Unix and Network Programming Lab	Skill Development
7.	III	HLCA3L2	Dot NET Programming Lab	Skill Development
8.	IV	HLCA41	Software Engineering	Skill Development
9.	IV	HLCA42	Middleware Technologies	Skill Development
10.	IV	HLCA43	XML and Web Services	Employability
11.	IV	HLCA44	Computer Networks	Skill Development
12.	IV	HLCA4E1/HLC A4E2/ HLCA4E3	Elective IV Digital Image Processing/ Soft Computing/ Cloud Computing	Skill Development
13.	IV	HLCA4L1	Middleware Technology Lab	Skill Development
14.	IV	HLCA4L2	XML and Web Services Lab	Skill Development
15.	V	HLCA51	Android Application Development	Skill Development
16.	V	HLCA52	Data Mining and Warehousing	Skill Development
17.	V	HLCA53	Security in Computing	Skill Development
18.	V	HLCA5E1/HLC A5E2/HLCA5E3	Elective V: UGC Net Preparatory Course – Computer Science/Artificial Intelligent Systems/Object Oriented Analysis & Design	Employability



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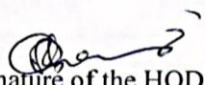
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2017 AND LATER**

19.	V	HLCA5E4/HLC A5E5/HLCA5E6	Elective VI: Web Application Development/ Mobile Computing/ Big Data Analytics	Skill Development
20.	V	HLCA5L1	Android Application Development Lab	Employability
21.	V	HLCA5L2	Software Development Lab	Entrepreneurship
22.	VI	HLCA6P	Project Work and Viva voce	Skill Development


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2016 AND LATER**

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Department of Computer Applications				
2016				
COURSES FOCUSING ON EMPLOYABILITY, ENTREPRENEURSHIP AND SKILL DEVELOPMENT				
S. No	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	I	16UCA11	Programming with C	Skill Development
2.	I	16UCA12	Digital Circuits	Skill Development
3.	I	16UCA1AL	C and Office Automation Lab	Skill Development
4.	II	16UCA21	Object Oriented Programming	Skill Development
5.	II	16UCA22	Data Structures and Algorithms	Skill Development-
6.	II	16UCA2AL	C++ and Data Structures Lab	Skill Development
7.	III	16UCA31	Operating Systems	Skill Development
8.	III	16UCA32	Programming in Java	Employability
9.	III	16UCA3L	Java Programming Lab	Skill Development
10.	III	16UCA3AL	Visual Programming Lab	Skill Development
11.	III	16UCA3N	Animation Software	Entrepreneurship
12.	IV	16UCA41	Database Management Systems	Employability
13.	IV	16UCA4A	Discrete Mathematics	Skill Development
14.	IV	16UCA4L1	DBMS Lab	Employability
15.	IV	16UCA4L2	DTP Lab	Entrepreneurship
16.	IV	16UCA4N	Web Designing	Entrepreneurship
17.	V	16UCA51	Software Engineering	Employability
18.	V	16UCA5E1/ 16UCA5E2	Web Technology/ Computer Security	Skill Development
19.	V	16UCA5E3/ 16UCA5E4	Operations Research/ Numerical Methods	Employability
20.	V	16UCA5L1	Web Technology Lab	Skill Development
21.	V	16UCA5L2	Animation Technology Lab	Skill Development
22.	VI	16UCA61	Computer Networks	Employability
23.	VI	16UCA62	NET Programming	Skill Development
24.	VI	16UCA6E1/ 16UCA6E2/ 16UCA6E3	Cloud Computing/ Microprocessors and Interfacing/ Graphics and Multimedia	Employability



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B.C.A.

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2016 AND LATER**

25.	VI	16UCA6L	.NET Programming Lab	Skill Development
26.	VI	16UCA6P	Project Work	Skill Development
27.	VI	16UJO62	Android Application Development	Entrepreneurship
28.	VI	16UJO62L	Android Application Development Lab	Entrepreneurship

Signature of the HOD

T. Palavesu

Principal
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Department of Computer Applications

2014

COURSES FOCUSING ON EMPLOYABILITY, ENTREPRENEURSHIP AND SKILL DEVELOPMENT

S. No	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	I	14UCA11	Programming with C	Skill Development
2.	I	14UCA12	Digital Circuits And Design	Skill Development
3.	I	14UCA1AL	C and Office Automation Lab	Skill Development
4.	II	14UCA21	Object Oriented Programming	Skill Development
5.	II	14UCA22	Data Structures and Algorithms	Skill Development-
6.	II	14UCA2AL	C++ and Data Structures Lab	Skill Development
7.	III	14UCA31	Operating Systems	Skill Development
8.	III	14UCA32	Visual Programming	Skill Development
9.	III	14UCA33	Programming in Java	Skill Development
10.	III	14UCA3A	Accountancy and Costing	Skill Development
11.	III	14UCA3L1	Visual Programming Lab	Entrepreneurship
12.	III	14UCA3L2	Java Programming Lab	Skill Development
13.	III	14UCA3N	Animation Software	Skill Development
14.	IV	14UCA41	Database Management Systems	Skill Development
15.	IV	14UCA42	Graphics and Multimedia	Skill Development
16.	IV	14UCA4A	Discrete Mathematics	Skill Development
17.	IV	14UCA4L1	DBMS Lab	Skill Development
18.	IV	14UCA4L2	Graphics Lab	Skill Development
19.	IV	14UCA4N	Web Designing	Employability
20.	V	14UCA51	Software Engineering	Employability
21.	V	14UCA5E1/ 14UCA5E2	Web Technology/ Computer Security	Skill Development
22.	V	14UCA5E3/ 14UCA5E4	Operations Research/ Numerical Methods	Employability
23.	V	14UCA5L1	Web Technology Lab	Skill Development
24.	V	14UCA5L2	Animation Technology Lab	Skill Development
25.	VI	14UCA61	Computer Networks	Employability
26.	VI	14UCA62	.NET Programming	Skill Development



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2014 AND LATER**

27.	VI	14UCA6E1/ 14UCA6E2	Cloud Computing/ Microprocessors and Interfacing	Employability
28.	VI	14UCA6L	.NET Programming Lab	Skill Development
29.	VI	14UCA6P	Project Work	Employability
30.	VI	14UJO62	Android Application Development	Entrepreneurship
31.	VI	14UJO62L	Android Application Development Lab	Entrepreneurship

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Department of Computer Applications				
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S. No	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	I	14PCA11	Computer Organization	Skill development
2.	I	14PCA12	Discrete Structures	Skill development
3.	I	14PCA13	Data Structures & Algorithms	Skill development
4.	I	14PCA14	Object Oriented Programming	Skill development
5.	I	14PCA1E1/ 14PCA1E2	Graphics & Multimedia / Management Information System	Employability
6.	I	14PCA1L1	Data Structures & Algorithms Lab	Skill development
7.	I	14PCA1E2	C++ Programming Lab	Skill development
8.	II	14PCA21	Operating Systems	Skill development
9.	II	14PCA22	Internet Programming	Employability
10.	II	14PCA23	Database Management System	Skill development
11.	II	14PCA24	Microprocessors and Interfacing	Skill development
12.	II	14PCA2E	Multimedia Systems	Employability
13.	II	14PCA2L1	Internet Programming Lab	Employability
14.	II	14PCA2L2	DBMS Lab	Skill development
15.	III	14PCA31	Unix and Network Programming	Skill Development
16.	III	14PCA32	Visual Programming	Skill Development
17.	III	14PCA33	Software Engineering	Employability
18.	III	14PCA34	Principles of Compiler Design	Employability
19.	III	14PCA3E	3D Animation Techniques	Entrepreneurship
20.	III	14PCA3L1	Unix and Network Programming Lab	Skill Development
21.	III	14PCA3L2	Visual Programming Lab	Skill Development
22.	IV	14PCA41	Resource Management Techniques	Skill Development
23.	IV	14PCA42	.NET Programming	Skill Development



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24.	IV	14PCA43	Middleware Technologies	Employability
25.	IV	14PCA44	Data communication & networking	Employability
26.	IV	14PCA4L1	Middleware Technology Lab	Skill Development
27.	IV	14PCA4L2	.NET Programming Lab	Skill Development
28.	IV	14PCA4E1/ 14PCA4E2/ 14PCA4E3	Digital Image Processing/ Soft Computing /M-Commerce	Employability
29.	V	14PCA51	XML and Web Services	Skill Development
30.	V	14PCA52	Data Mining and Warehousing	Employability
31.	V	14PCA53	Software Testing	Employability
32.	V	14PCA5L1	XML and Web Services Lab	Skill Development
33.	V	14PCA5L2	Software Development Lab	Skill Development
34.	V	14PCA5E1/ 14PCA5E2/ 14PCA5E3/	ObjectOrientedAnalysis&Design/ Artificial Intelligent Systems/ Software Project Management/	Employability
35.	V	14PCA5E4/ 14PCA5E5/ 14PCA5E6/ 14PCA5E7	Computer Security / Advanced Databases/ Android Application Development/ UGC NET Prelims – Computer Science	Employability
36.	VI	14PCA6P	Project Work and Viva voce	Employability

Signature of the HOD

T. Palavesu

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