

RATHINAM COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

Scheme of Curriculum for BCA Computer Applications for the Batch admitted during 2017-2018 Onwards

Sem	Part	Type	Sub Code	Subject	Credit	Per Week	CIA	ESE	Total	Exam Hours
1	1	L1	LANG1	Language - I	3	6	40	60	100	3
1	2	E1	17BGE12E	English for Communication	3	6	40	60	100	3
1	3	C1	17BCA13A	Core - I - Problem Solving techniques using C	4	6	40	60	100	3
1	3	CP1	17BCA13P	Core Practical – I - C Programming Lab	4	5	40	60	100	3
1	3	A1	17BCA1AA	Allied – I PC & Mobile Hardware Trouble Shooting	4	5	40	60	100	3
1	4	AEC1	17BGE1FA	Ability Enhancement Compulsory Course-I – Environmental Studies @	2	2	50	0	50	3
1	6	VAC	17BCA1VA	Value Added Course - I@	2	-	100	-	100	3
2	1	L2	LANG2	Language - II	3	6	40	60	100	3
2	2	E2	17BCA22E	English for Computer Science	3	6	40	60	100	3
2	3	C2	17BCA23A	Core - II - Java Programming - I	4	4	40	60	100	3
2	3	C3	17BCA23B	Core III – Data Structure	4	4	40	60	100	3
2	3	CP2	17BCA23P	Core Practical - II - Java Programming Lab	4	3	40	60	100	3
2	3	A2	17BCA2AA	Allied – II Mathematics for Computer Applications	4	5	40	60	100	3
2	4	AEC2	17BGE2FB	Ability Enhancement Compulsory Course-II – Value Education Human Rights @	2	2	50	0	50	3
2	6	VAC	17BCA2VA	Value Added Course - II@	2	-	100	-	100	3
3	3	C4	17BCA33A	Core - IV - Web Technology	4	7	40	60	100	3
3	3	CP3	17BCA33P	Core Practical – III - Web Technology Lab	4	7	40	60	100	3
3	3	A3	17BCA3AC	Allied - III Entrepreneurship for IT	4	6	40	60	100	3
3	3	CP4	17BCA33V	Core Practical – IV – Industrial Training Report	2	0	0	50	50	3
3	4	S1	17BCA3ZA	Skill Enhancement Courses – I Computer Graphics and Animation	4	6	40	60	100	3
3	4	AEC3	17BGE3FC	Ability Enhancement Compulsory Course-III – (Tamil / Advanced Tamil (OR) Non-major elective-1 (Yoga for Human Excellence) / Women’s Rights / Career Enhancement – I) @	2	2	50	0	50	3
3	6	VAC	17BCA3VA	Value Added Course - III@	2	-	100	-	100	3
3	6	IDL	IDL1	Inter Department Learning – I#	2	2	-	100	100	3

4	3	C5	17BCA43A	Core - V - Windows Programming	4	6	40	60	100	3
4	3	CP5	17BCA43P	Core Practical – V – Windows Programming Lab	4	5	40	60	100	3
4	3	A4	17BCA44C	Allied - IV Quantitative and Aptitude	4	6	40	60	100	3
4	4	S2	17BCA4ZB	Skill Enhancement Courses – II Information and Cyber Security	4	6	40	60	100	3
4	4	SP1	17BCA4ZP	Skill Lab – I	4	3	40	60	100	3
4	4	AEC4	17BGE4FD	Ability Enhancement Compulsory Course-IV – (Tamil / Advanced Tamil (OR) Non-major elective-II (General Awareness) / Career Enhancement – II) @	2	2	50	0	50	3
4	6	VAC	17BCA4VA	Value Added Course - IV@	2	-	100	-	100	3
4	6	IDL	IDL2	Inter Department Learning – II#	2	2	-	100	100	3
5	3	C6	17BCA53A	Core - VI - Android App Development	5	6	40	60	100	3
5	3	EL1	ELE1	Elective - I	5	6	40	60	100	3
5	3	EL2	ELE2	Elective - II	5	6	40	60	100	3
5	3	CP6	17BCA53P	Core Practical – VI - Android App Development Lab	4	6	40	60	100	3
5	3	CP7	17BCA53V	Core Practical – VII – Mini-project	3		-	100	100	3
5	4	S3	17BCA5ZC	Skill Enhancement Courses – III PHP & MySQL	4	6	40	60	100	3
5	6	VAC	17BCA5VA	Value Added Course - V@	2	-	100	-	100	3
6	3	EL3	ELE3	Elective - III	5	6	40	60	100	3
6	3	EL4	ELE4	Elective - IV	5	6	40	60	100	3
6	3	CP8	16BCA63P	Core Practical – VIII – Elective Lab	4	4	40	60	100	3
6	3	CP9	16BCA63V	Core Project	8	8	80	120	200	3
6	4	S4	16BCA6ZD	Skill Enhancement Courses – IV Software Project Management	4	6	40	60	100	3
6	5	EX	17BGE65A	Extension Activity@	2		50		50	
TOTAL					154	180	1990	2210	4200	129

Elective	Sub code	Subject
Elective-I	17BSC5EA	Data Mining
	17BSC5EB	Computer Networks
	17BSC5EC	Human Computer Interface
	17BSC5ED	Software engineering

	17BSC5EE	Information Storage Management System
Elective-II	17BSC5EF	R Programming
	17BSC5EG	Cryptography and Network Security
	17BSC5EH	Learning Maya 2
	17BSC5EI	Software Testing
	17BSC5EJ	Grid Computing
Elective-III	17BSC6EA	Big Data Analytics
	17BSC6EB	TCP / IP Protocol Suite
	17BSC6EC	3D Animation Essentials
	17BSC6ED	Software Quality Assurance
	17BSC6EE	Cloud Computing
Elective-IV	17BSC6EF	Hadoop Programming
	17BSC6EG	Wireless Sensor Network
	17BSC6EH	Adobe illustrator & After Effects
	17BSC6EI	Tools for Software Testing
	17BSC6EJ	Cloud Infrastructure Services

Inter Department Learning

ALC	Sub Code	Subject
SEM3	17BSC3LA	Fundamentals of IT & Hardware
	17BSC3LB	Desktop Publishing (office Automation)
	17BSC3LC	E-Resources
	17BSC3LD	Web Designing
SEM4	17BSC4LA	Cyber Law
	17BSC4LB	Animation Techniques
	17BSC4LC	E-Learning
	17BSC4LD	E-Commerce