



SEETHALAKSHMI RAMASWAMI COLLEGE

(Autonomous)

Affiliated to Bharathidasan University

Tiruchirappalli

Accredited with A+ by NAAC (4th Cycle)



B.Sc. COMPUTER SCIENCE

Revised CBCS - OBE - BASED Curriculum Structure

(For students admitted from 2021 onwards)

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOT
I	I	Language-I		Course-I	6	3	EXT	25	75	100
	II	English-I		Course-I	6	3	EXT	25	75	100
	III	Core Course-I	U211CSMT01	'C' Programming	6	5	EXT	25	75	100
	III	Core Practical-I		Practical-I: 'C' and Java Programming	3	-	INT	-	-	-
	III	First Allied Course-I		Offered by the Department of Physics	4	3	EXT	25	75	100
	III	First Allied Practical-I		Practical-I: Offered by the Department of Physics	2	-	-	-	-	-
	III	Cross Disciplinary Course (CDC) (Chemistry, Computer Science, Physics)	U212XDMT01	Radiation and Safety Management	1	-	EXT	-	-	-
	IV	VBE	U211XVE01	Value Based Education	2	2	EXT	25	75	100
	TOTAL					30	16			

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
II	I	Language-II		Course-II	6	3	EXT	25	75	100
	II	English-II		Course-II	6	3	EXT	25	75	100
	III	Core Course-II	U212CSMT02	Programming in Java	5	5	EXT	25	75	100
	III	Core Practical-I	U212CSMP01	Practical-I: 'C' and Java Programming	2	4	INT	40	60	100
	III	First Allied Course-II		Offered by the Department of Physics	4	3	EXT	25	75	100
	III	First Allied Practical-I		Practical-I: Offered by the Department of Physics	2	3	INT	40	60	100
	III	Cross Disciplinary Course (CDC) (Chemistry, Computer Science, Physics)	U212XDMT01	Radiation and Safety Management	3	4	EXT	25	75	100
	IV	EVS	U212XXES01	Environmental Studies	2	2	EXT	25	75	100
	TOTAL					30	27			

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
III	I	Language-III		Course-III	6	3	EXT	25	75	100
	II	English-III		Course-III	6	3	EXT	25	75	100
	III	Core Course-III	U213CSMT03	Database Management System	5	5	EXT	25	75	100
	III	Core Practical-II		Practical-II: MySQL and PYTHON Programming	3	-	INT	-	-	-
	III	Second Allied Course-I		Offered by the Department of Mathematics	4	3	EXT	25	75	100
	III	Second Allied Practical-I		Practical-I: Offered by the Department of Mathematics	2	-	INT	-	-	-
	IV	NME-I	U213CSNE01	Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE-I	U213CSSE01:1	DHTML Programming	2	2	EXT	25	75	100
	TOTAL					30	18			

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
IV	I	Language-IV		Course-IV	6	3	EXT	25	75	100
	II	English-IV		Course-IV	6	3	EXT	25	75	100
	III	Core Course-IV	U214CSMT04	PYTHON Programming	6	5	EXT	25	75	100
	III	Core Practical-II	U214CSMP02	Practical-II: MySQL and PYTHON Programming	2	4	INT	40	60	100
	III	Second Allied Course-II		Offered by the Department of Mathematics	4	3	EXT	25	75	100
	III	Second Allied Practical-I		Practical-I: Offered by the Department of Mathematics	2	3	INT	40	60	100
	IV	NME-II	U214CSNE02	Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE-II	U214CSSE02:1	Image Editing Tools	2	2	EXT	25	75	100
	TOTAL					30	25			

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
V	III	Core Course-V		Principles of Operating Systems	6	5	EXT	25	75	100
	III	Core Course-VI		Data Structures and Algorithms	6	5	EXT	25	75	100
	III	Core Course-VII		Microprocessor and Applications	5	5	EXT	25	75	100
	III	Core Practical-III		Practical-III: Operating Systems	4	4	INT	40	60	100
	III	MBE-I		Computer Graphics	5	4	EXT	25	75	100
	IV	SBE-III		.NET Programming	2	2	EXT	25	75	100
	IV	SSD		Soft Skill Development	2	2	INT	25	75	100
	TOTAL					30	27			

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HR S	CRD	INT/EXT	CIA	SE	TOT
VI	III	Core Course-VIII		Basics of Computer Networks	6	5	EXT	25	75	100
	III	Core Course-IX		Programming in PHP	6	5	EXT	25	75	100
	III	Core Practical-IV		Practical-IV: Programming in PHP	4	4	INT	40	60	100
	III	Project		Group Project	3	3	EXT	20	80	100
	III	MBE-II		Cloud Computing	5	4	EXT	25	75	100
	III	MBE-III		Basics of Software Development	5	4	EXT	25	75	100
	V	GS		Gender Studies	1	1	INT	25	75	100
	V	Extension		Extension Activity	-	1	INT	-	-	100
	TOTAL				30	27				
	GRAND TOTAL				180	140				4200

MAJOR BASED ELECTIVES COURSES

SEM	PART	GROUP	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
V	III	Group – I (Choose any one Course)		Course-I: Computer Graphics / System Analysis and Design	5	4	EXT	25	75	100
VI	III	Group – II (Choose any one Course)		Course–II: Cloud Computing / Object Oriented Modelling and Programming	5	4	EXT	25	75	100
VI	III	Group – III (Choose any one Course)		Course–III: Basics of Software Development / Management Information System	5	4	EXT	25	75	100
TOTAL					15	12				300

SKILL BASED ELECTIVES

SEM	PART	GROUP	COURSE CODE	COURSES	HRS	CRD	INT/EXT	CIA	SE	TOT
III	IV	Group – I (Choose any One Course)	U213CSSE0 1:1	Course–I: DHTML Programming / C++ Programming	2	2	EXT	25	75	100
IV	IV	Group – II (Choose any One Course)	U214CSSE0 2:1	Course–II: Image Editing Tools / Programming with Oracle	2	2	EXT	25	75	100
V	IV	Group – III (Choose any One Course)		Course–III: .NET Programming / Programming with Visual Basic	2	2	EXT	25	75	100
TOTAL					6	6				300

NON MAJOR BASED ELECTIVES

SEM	PART	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOT
III	IV	U213CSNE01	NME-I: Basics of Internet Concepts	2	2	EXT	25	75	100
IV	IV	U214CSNE02	NME-II: E-Learning	2	2	EXT	25	75	100
TOTAL				4	4				200

UG PROGRAMME – 2021 ONWARDS

PART	DETAILS	NO. OF COURSES	CREDIT/ COURSE	TOTAL CREDIT
I	Language	4	3	12
II	English	4	3	12
III	Core Courses	9	5	45
	Core Practical	4	4	16
	Allied Course	4	3	12
	Allied Practical	2	3	6
	MBE	3	4	12
	Inter Disciplinary Course	1	4	4
IV	SBE	3	2	6
	NME	2	2	4
	EVS	1	2	2
	VBE	1	2	2
	SOFT SKILL	1	2	2
V	GENDER	1	1	1
	EXTENSION	1	1	1
	Group Project	1	3	3
TOTAL CREDITS				140