



SEETHALAKSHMI RAMASWAMI COLLEGE

(Autonomous)

Affiliated to Bharathidasan University

Tiruchirappalli

Accredited with A+ by NAAC (4th Cycle)



BACHELOR OF COMPUTER APPLICATIONS

Revised CBCS - OBE - BASED Curriculum Structure

(For students admitted from 2021 onwards)

SEM	PART	COURSE	COURS ECODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOT
I	I	Language-I	U211XXLT02 / U211XXLH02	Course-I	6	3	EXT	25	75	100
	II	English-I	U211XXEE01	Course-I	6	3	EXT	25	75	100
	III	Core Course-I	U211CAMT01	Problem Solving with C	7	5	EXT	25	75	100
	III	Core Practical-I	U211CAM	Practical-I: Programming in C and Java	2	-	INT	-	-	-
	III	First Allied Course-I	U211MAAT05	Offered by the Department of Mathematics	4	3	EXT	25	75	100
	III	First Allied Practical-I	U212CAMP01	Practical-I: Offered by department of Mathematics	2	-	-	-	-	-
	III	Cross Disciplinary Course (CDC) (Computer Applications , Computer Science, Electronics)	U212XBMT01	Nano Electronics	1	-	EXT	-	-	-
	IV	VBE	U211XXVE01	Value Based Education	2	2	EXT	25	75	100
TOTAL					30	16				500

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOT
II	I	Language-II	US212XXLT02/ US212XXLH02	Course-II	6	3	EXT	25	75	100
	II	English-II	U212XXEE02	Course-II	6	3	EXT	25	75	100
	III	Core Course-II	U212CAMT02	Object Oriented Programming Using Java	5	5	EXT	25	75	100
	III	Core Practical-I	U212CAMP01	Practical-I: Programming in C and Java	2	4	INT	40	60	100
	III	First Allied Course-II	U212MAAT10	Offered by the Department of Mathematics	4	3	EXT	25	75	100
	III	First Allied Practical-I	U212MAAP05	Practical-I: Offered by the Department of Mathematics	2	3	INT	40	60	100
	III	Cross Disciplinary Course (CDC) (Computer Applications , Computer Science, Electronics)	U212XBMT01	Nano Electronics	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	U213XXLT03/ U213XXLH03	Course-III	6	3	EXT	25	75	100
	II	English-III	U213XXEE03	Course-III	6	3	EXT	25	75	100
	III	Core Course-III	U213CAMT03	Programming in Python	6	5	EXT	25	75	100
	III	Core Practical-II	U214CAMP02	Practical-II: Programming in Python and MySQL	2	-	INT	-	-	-
	III	Second Allied Course-I	U213CMAT06	Offered by the Department of Commerce	4	3	EXT	25	75	100
	III	Second Allied Practical-I	U214CMAP03	Practical-I: Offered by the Department of Commerce	2	-	INT	-	-	-
	IV	NME-I	U213CANE01	Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE-I	U213CASE01:1	Shell 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	U214XXLT04 / U214XXLH04	Course-IV	6	3	EXT	25	75	100
	II	English-IV	U214XXEE04	Course-IV	6	3	EXT	25	75	100
	III	Core Course-IV	U214CAMT04	Database Systems	6	5	EXT	25	75	100
	III	Core Practical-II	U214CAMP02	Practical-II: : Programming in Python and MySQL	2	4	INT	40	60	100
	III	Second Allied Course-II	U214CMAT09	Offered by the Department of Commerce	4	3	EXT	25	75	100
	III	Second Allied Practical-I	U214CMAP03	Practical-I: Offered by the Department of Commerce	2	3	INT	40	60	100
	IV	NME-II	U214CANE02	Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE-II	U214CASE02:1	VB.NET Programming	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	U215CAMT05	Fundamentals of Datastructures	6	5	EXT	25	75	100
	III	Core Course-VI	U215CAMT06	Computer Networks	6	5	EXT	25	75	100
	III	Core Course-VII	U215CAMT07	ASP. NET Programming	5	5	EXT	25	75	100
	III	Core Practical-III	U215CAMP03	Practical-III: ASP. NET Programming	4	4	INT	40	60	100
	III	MBE-I	U215CAME01:1	Computer Graphics	5	4	EXT	25	75	100
	IV	SBE-III	U215CASE03:1	Web Technology	2	2	EXT	25	75	100
	IV	SSD	U215XXSS01	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	U216CAMT08	Operating Systems	6	5	EXT	25	75	100
	III	Core Course-IX	U216CAMT09	Programming in PHP	6	5	EXT	25	75	100
	III	Core Practical-IV	U216CAMP04	Practical-IV: Programming in PHP	4	4	INT	40	60	100
	III	Project	U216CAPJ01	Group Project	3	3	EXT	20	80	100
	III	MBE-II	U216CAME02:1	Cloud Computing	5	4	EXT	25	75	100
	III	MBE-III	U216CAME03:1	Software Engineering	5	4	EXT	25	75	100
	V	GS	U216XXGS01	Gender Studies	1	1	INT	25	75	100
	V	Extension	U216XXGE01:2 / U216XXGE01:3 / U216XXGE01:4	Extension Activity	-	1	INT	-	-	100
	TOTAL				30	27				800
	GRAND TOTAL				180	140				4200

MAJOR BASED ELECTIVES COURSES

SEM	PART	GRO UP	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOT
V	III	Group – I (Choose any one Course)	U215CAME01:1	Course-I: Computer Graphics / Business Process Outsourcing	5	4	EXT	25	75	100
VI	III	Group – II (Choose any one Course)	U216CAME02:1	Course–II: Cloud Computing / Big Data Analytics	5	4	EXT	25	75	100
VI	III	Group – III (Choose any one Course)	U216CAME03:1	Course–III: Software Engineering / Data Mining	5	4	EXT	25	75	100
TOTAL					15	12				300

SKILL BASED ELECTIVES

SEM	PART	GROUP	COURSE CODE	COURSE S	HRS	CRD	INT/ EXT	CIA	SE	TOT
III	IV	Group – I (Choose any One Course)	U213CASE01:1	Course–I: Shell Programming / Visual Basic Programming	2	2	EXT	25	75	100
IV	IV	Group – II (Choose any One Course)	U214CASE02:1	Course–II: VB.NET Programming / Programming in Oracle	2	2	EXT	25	75	100
V	IV	Group – III (Choose any One Course)	U215CASE03:1	Course–III: Web Technology / Software Testing	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	U213CANE01	NME-I: Fundamentals of Computers	2	2	EXT	25	75	100
IV	IV	U213CANE02	NME-II: Introduction to e-Commerce	2	2	EXT	25	75	100
TOTAL				4	4				200

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
	CD	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		42		140

