



SEETHALAKSHMI RAMASWAMI COLLEGE

(Autonomous)

Affiliated to Bharathidasan University

Tiruchirappalli

Accredited with A+ by NAAC (4th Cycle)



B.Sc. Electronics

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		Semiconductor Devices and Circuits	7	5	EXT	25	75	100
	III	Core Practical-I		Practical-I: Semiconductor Devices and Digital Electronics Lab	2	-	INT	-	-	-
	III	First Allied Course-I		Offered by the Department of Mathematics	4	3	EXT	25	75	100
	III	First Allied Practical-I		Practical-I: Offered by the Department of Mathematics	2	-	-	-	-	-
	III	Cross Disciplinary Course (CDC) (Electronics, Computer Science & BCA)		Nano Electronics	1	-	EXT	-	-	-
	IV	VBE		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		Digital Electronics	5	5	EXT	25	75	100
	III	Core Practical-I		Practical-I: Semiconductor Devices and Digital Electronics Lab	2	4	INT	40	60	100
	III	First Allied Course-II		Offered by the Department of Mathematics	4	3	EXT	25	75	100
	III	First Allied Practical-I		Practical-I: Offered by the Department of Mathematics	2	3	INT	40	60	100
	III	Cross Disciplinary Course (CDC) (Electronics, Computer Science & BCA)		Nano Electronics	3	4	EXT	25	75	100
	IV	EVS		Environmental Studies	2	2	EXT	25	75	100
TOTAL					30	27				800

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		Electrical Circuits and Machines	6	5	EXT	25	75	100
	III	Core Practical-II		Practical-II: Electrical Circuits and Operational Amplifier Lab	2		INT	-	-	-
	III	Second Allied Course-I		Robotics	4	3	EXT	25	75	100
	III	Second Allied Practical-I		Practical-I: Smart Control Lab	2	-	INT	-	-	-
	IV	NME-I		Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE-I		PCB Designing	2	2	EXT	25	75	100
TOTAL					30	18				600

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		Linear Integrated Circuits	6	5	EXT	25	75	100
	III	Core Practical-II		Practical-II: Electrical Circuits and Operational Amplifier Lab	2	4	INT	40	60	100
	III	Second Allied Course-II		Control System	4	3	EXT	25	75	100
	III	Second Allied Practical-I		Practical-I: Smart Control Lab	2	3	INT	40	60	100
	IV	NME-II		Offered by other Departments	2	2	EXT	25	75	100
	IV	SBE-II		Entrepreneurial Electronics	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		Management and Functional Behaviour	6	5	EXT	25	75	100
	III	Core Course-VI		Microprocessor and Microcontroller	5	5	EXT	25	75	100
	III	Core Practical-III		Practical-III: Microprocessor, Communication and Power Electronics Lab	4		INT	-	-	-
	III	MBE-I		Sensors, Transducers and Measurement	5	4	EXT	25	75	100
				In-Plant Training	6	6	INT	40	60	100
	IV	SBE-III		Mobile Servicing	2	2	EXT	25	75	100
	IV	SSD		Soft Skill Development	2	2	INT	25	75	100
	TOTAL									

SEM	PART	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/ EXT	CIA	SE	TOT
VI	III	Core Course-VII		Industrial Electronics	6	5	EXT	25	75	100
	III	Core Practical-III		Practical-III: Microprocessor, Communication and Power Electronics Lab	3	5	INT	40	60	100
	III	Core Practical-IV		Practical-IV: C,C++,Embedded C Lab	4	4	INT	40	60	100
	III	MBE-II		C, C++ and Embedded C	5	4	EXT	25	75	100
	III	MBE-III		Communication System	5	4	EXT	25	75	100
	III	Project		Group Project	6	6	EXT	20	80	100
	V	GS		Gender Studies	1	1	INT	25	75	100
V	Extension		Extension Activity	-	1	INT	-	-	100	
				TOTAL	30	30				800
				GRAND TOTAL	180	140				4100