



KIT-Kalaignarkarunanidhi Institute of Technology

(An Autonomous Institution)

Coimbatore – 641 402.

Department of Electronics and Communication Engineering

Conceptual Frame work

(For Students admitted from the Academic Year 2019-20 and onwards)

Semester	Level of Course	Hours / Week	No of Courses	Range of Credits/ Courses	Total Credits	
PART I						
A - Foundation Courses						
I to II	Humanities and Social Sciences (HS)	3	2	3	6	
I to IV	Basic Sciences (BS)	3-4	8	2 - 4	26	
I to III	Engineering Sciences (ES)	3-6	6	1-4	15	
B - Professional Core Courses						
II to VII	Professional Core (PC)	3-4	29	1-4	80	
C - Elective Courses						
V to VIII	Professional Elective (PE)	3	5	3	15	
V to VIII	Open Elective (OE)	3	4	3	12	
D – Project Work						
VI, VII & VIII	Project Work (PW)	4 -16	3	2 - 8	12	
E - Mandatory Courses Prescribed by AICTE/UGC (Not to be Included for CGPA)						
I, III & IV	Mandatory Course (MC)	3	4	NC	NC	
Total Credit					166	
PART II - Career Enhancement Courses (CEC)						
II	Soft Skills - I	2	1	1	1	
III	Soft Skills - II	2	1	1	1	
	Professional Certificate Course-I	2	1	1	1	
III or IV	In plant Training	-	-	-	NC	
	Online Certificate Course (like NPTEL, COURSERA, UDEMY, etc)	-	-	-	NC	
IV	Career Ability Course - I	2	1	-	NC	
V	Career Ability Course - II	2	1	-	NC	
	Professional Certificate Course-II	2	1	1	1	
V or VI	Summer Internship	-	1	1	1	
	Online Certificate Course (like NPTEL, COURSERA, UDEMY, etc)	-	-	-	NC	
VI	Career Ability Course - III	2	1	-	NC	
Total Credit					05	
Total Credit to be Earned					171	
PART III (Additional Credit Course - Not to be Included for CGPA)						
Semester	Course Code	Level of Course	Hours	No of Courses	Range of Credits/ Courses	Total Credits
III	B19ECA301	Hands on Training	20-30	1	-	1
IV	B19ECA401	Hands on Training	20-30	1	-	1
V	B19ECA501	Emerging Technology – Certificate Course - I	40-60	1	-	1
VI	B19ECA601	Emerging Technology – Certificate Course - II	40-60	1	-	1
VII	B19ECA701	Emerging Technology – Certificate Course - III	30-40	1	-	1


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Scheme of Instructions and Examinations

(For Students admitted from the Academic Year 2019-20 and onwards)

Semester I											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
Induction Programme											
B19ENT101	Functional English	HS	3	2	0	1	3	40	60	100	3
B19MAT101	Matrices and Differential calculus	BS	4	3	0	1	3	40	60	100	4
B19PHT101	Engineering Physics	BS	3	3	0	0	3	40	60	100	3
B19CST101	Problem Solving and Python Programming	ES	3	3	0	0	3	40	60	100	3
B19MET101	Engineering Graphics	ES	6	2	4	0	3	40	60	100	4
B19PHP101	Physics Laboratory	BS	4	0	4	0	3	40	60	100	2
B19CSP101	Problem Solving and Python Programming Laboratory	ES	4	0	4	0	3	40	60	100	2
B19MCP101	Life Skills	MC	2	0	2	0	-	100	-	100	NC
Total Contact Hours/Week			29	13	14	2	Total Credits				21

Semester II											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ENT201	Professional English	HS	3	2	0	1	3	40	60	100	3
B19MAT201	Integral Calculus and Complex Analysis	BS	4	3	0	1	3	40	60	100	4
B19CHT101	Engineering Chemistry	BS	3	3	0	0	3	40	60	100	3
B19ECT201	Circuit Analysis	PC	3	3	0	0	3	40	60	100	3
B19ECT202	Electron Devices	PC	3	3	0	0	3	40	60	100	3
B19CHP101	Chemistry Laboratory	BS	4	0	4	0	3	40	60	100	2
B19ECP201	Circuits and Devices Laboratory	PC	4	0	4	0	3	40	60	100	2
B19MEP201	Basic Workshop Practices Laboratory	ES	4	0	4	0	3	40	60	100	2
B19CEP201	Soft Skills I	CEC	2	0	2	0	-	100	-	100	1
Total Contact Hours/Week			30	14	14	2	Total Credits				23

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Semester III											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19MAT302	Linear Algebra, Transforms and Partial Differential Equations	BS	4	3	0	1	3	40	60	100	4
B19CST305	Fundamentals of Data Structures in C	ES	3	3	0	0	3	40	60	100	3
B19ECT301	Electronic circuits I	PC	3	3	0	0	3	40	60	100	3
B19ECT302	Digital Electronics	PC	3	3	0	0	3	40	60	100	3
B19ECT303	Signals and Systems	PC	4	3	0	1	3	40	60	100	4
B19MCT301	Environmental Sciences	MC	3	3	0	0	-	100	-	-	NC
B19CSP303	Fundamentals of Data Structures in C Laboratory	ES	2	0	2	0	3	40	60	100	1
B19ECP301	Analog and Digital Circuits Laboratory	PC	4	0	4	0	3	40	60	100	2
B19CEP301	Soft Skills II	CEC	2	0	2	0	-	100	-	100	1
B19CEP302	Professional Certificate Course I	CEC	2	0	2	0	-	100	-	100	1
Total Contact Hours/Week			30	18	10	2	Total Credits				22

In plant Training – Minimum ONE WEEK has to be completed (Review will be conducted in first week of SEMIV and its credit will be included in SEMIV and it will be included in SEMIV mark statement)

Semester IV											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19MAT404	Probability and Random Processes	BS	4	3	0	1	3	40	60	100	4
B19ECT401	Electronic Circuits II	PC	3	3	0	0	3	40	60	100	3
B19ECT402	Communication Theory	PC	3	3	0	0	3	40	60	100	3
B19ECT403	Electromagnetic Fields	PC	4	3	0	1	3	40	60	100	4
B19ECT404	Linear Integrated Circuits	PC	3	3	0	0	3	40	60	100	3
B19MCT302	Indian Constitution	MC	3	3	0	0	-	100	-	-	NC
B19ECP401	Circuits Design and Simulation Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP402	Linear Integrated Circuits Laboratory	PC	4	0	4	0	3	40	60	100	2
B19CEP401	Career Ability Course I	CEC	2	0	2	0	-	100	-	100	NC
B19CEP402	In plant Training	CEC	-	-	-	-	-	-	-	-	NC
B19CEP403	Online Certificate Course	CEC	-	-	-	-	-	-	-	-	NC
Total Contact Hours/Week			30	18	10	2	Total Credits				21

Summer Internship – THREE WEEKS (Review will be conducted in first week of SEM V and its credit will be included in SEM V)

Online Certificate Course (like NPTEL, COURSERA, UDEMY, ect) has to be completed within second year (NC)

Semester V											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECT501	Digital Communication	PC	3	3	0	0	3	40	60	100	3
B19ECT502	Discrete-Time Signal Processing	PC	4	3	0	1	3	40	60	100	4
B19ECT503	Control Systems	PC	3	3	0	0	3	40	60	100	3
B19ECT504	Transmission Lines and Wave Guides	PC	3	3	0	0	3	40	60	100	3
	Professional Elective I	PE	3	3	0	0	3	40	60	100	3
	Open Elective I	OE	3	3	0	0	3	40	60	100	3
B19ECP501	Digital Signal Processing Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP502	Communication Systems Laboratory	PC	4	0	4	0	3	40	60	100	2
B19CEP501	Career Ability Course II	CEC	2	0	2	0	-	100	-	100	NC
B19CEP502	Professional Certificate Course II	CEC	2	0	2	0	-	100	-	100	1
B19CEP503	Summer Internship	CEC	-	-	-	-	-	-	-	-	1
Total Contact Hours/Week			31	18	12	1	Total Credits				25

Semester VI											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECT601	Microprocessors and Microcontrollers	PC	3	3	0	0	3	40	60	100	3
B19ECT602	VLSI Design	PC	3	3	0	0	3	40	60	100	3
B19ECT603	Computer Networks	PC	3	3	0	0	3	40	60	100	3
	Professional Elective II	PE	3	3	0	0	3	40	60	100	3
	Professional Elective III	PE	3	3	0	0	3	40	60	100	3
	Open Elective II	OE	3	3	0	0	3	40	60	100	3
B19ECP601	Communication Networks Laboratory	PC	2	0	2	0	3	40	60	100	1
B19ECP602	Microprocessors and Microcontrollers Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP603	VLSI Design Laboratory	PC	2	0	2	0	3	40	60	100	1
B19ECP604	Mini Project	PW	4	0	4	0	-	100	-	100	2
B19CEP601	Career Ability Course III	CEC	2	0	2	0	-	100	-	100	NC
B19CEP602	Online Certificate Course	CEC	-	-	-	-	-	-	-	-	NC
Total Contact Hours/Week			32	18	14	0	Total Credits				24
Online Certificate Course (like NPTEL, COURSERA, UDEMY, ect) has to be completed within Third year (NC)											

Semester VII											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECT701	Optical Communication	PC	3	3	0	0	3	40	60	100	3
B19ECT702	Embedded and Real Time Systems	PC	3	3	0	0	3	40	60	100	3
B19ECT703	Microwave Engineering	PC	3	3	0	0	3	40	60	100	3
	Professional Elective IV	PE	3	3	0	0	3	40	60	100	3
	Open Elective III	OE	3	3	0	0	3	40	60	100	3
B19ECP701	Embedded Systems Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP702	Advanced Communication Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP703	Project work (Phase I)	PW	4	0	4	0	3	40	60	100	2
Total Contact Hours/Week			27	15	12	0	Total Credits				21

Semester VIII											
Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
	Professional Elective V	PE	3	3	0	0	3	40	60	100	3
	Open Elective IV	OE	3	3	0	0	3	40	60	100	3
B19ECP801	Project Work (Phase II)	PW	16	0	16	0	3	40	60	100	8
Total Contact Hours/Week			22	6	16	0	Total Credits				14


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HUMANITIES AND SOCIALSCIENCES (HS)

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ENT101	Functional English	HS	3	2	0	1	3	40	60	100	3
B19ENT201	Professional English	HS	3	2	0	1	3	40	60	100	3

BASIC SCIENCES (BS)

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19MAT101	Matrices and Differential Calculus	BS	4	3	0	1	3	40	60	100	4
B19PHT101	Engineering Physics	BS	3	3	0	0	3	40	60	100	3
B19PHP101	Physics Laboratory	BS	4	0	4	0	3	40	60	100	2
B19MAT201	Integral Calculus and Complex Analysis	BS	4	3	0	1	3	40	60	100	4
B19CHT101	Engineering Chemistry	BS	3	3	0	0	3	40	60	100	3
B19CHP101	Chemistry Laboratory	BS	4	0	4	0	3	40	60	100	2
B19MAT301	Linear Algebra, Transforms and Partial Differential Equations	BS	4	3	0	1	3	40	60	100	4
B19MAT404	Probability and Random Processes	BS	4	3	0	1	3	40	60	100	4


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ENGINEERING SCIENCES (ES)

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19CST101	Problem Solving and Python Programming	ES	3	3	0	0	3	40	60	100	3
B19MET101	Engineering Graphics	ES	6	2	4	0	3	40	60	100	4
B19CSP101	Problem Solving and Python Programming Laboratory	ES	4	0	4	0	3	40	60	100	2
B19MEP201	Basic Workshop Practices Laboratory	ES	4	0	4	0	3	40	60	100	2
B19CST305	Fundamentals of Data Structures In C	ES	3	3	0	0	3	40	60	100	3
B19CSP303	Fundamentals of Data Structures in C Laboratory	ES	2	0	2	0	3	40	60	100	1

PROFESSIONAL CORE (PC)

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECT201	Circuit Analysis	PC	3	3	0	0	3	40	60	100	3
B19ECT202	Electron Devices	PC	3	3	0	0	3	40	60	100	3
B19ECP201	Circuits and Devices Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECT301	Electronic circuits I	PC	3	3	0	0	3	40	60	100	3
B19ECT302	Digital Electronics	PC	3	3	0	0	3	40	60	100	3
B19ECT303	Signals & Systems	PC	4	3	0	1	3	40	60	100	4
B19ECP301	Analog and Digital Circuits Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECT401	Electronic Circuits II	PC	3	3	0	0	3	40	60	100	3
B19ECT402	Communication Theory	PC	3	3	0	0	3	40	60	100	3
B19ECT403	Electromagnetic Fields	PC	4	3	0	1	3	40	60	100	4
B19ECT404	Linear Integrated Circuits	PC	3	3	0	0	3	40	60	100	3
B19ECP401	Circuits Design and Simulation Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP402	Linear Integrated Circuits Laboratory	PC	4	0	4	0	3	40	60	100	2

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B19ECT501	Digital Communication	PC	3	3	0	0	3	40	60	100	3
B19ECT502	Discrete-Time Signal Processing	PC	4	3	0	1	3	40	60	100	4
B19ECT503	Control Systems Engineering	PC	3	3	0	0	3	40	60	100	3
B19ECT504	Transmission Lines and Wave Guides	PC	3	3	0	0	3	40	60	100	3
B19ECP501	Digital Signal Processing Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP502	Communication Systems Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECT601	Microprocessors and Microcontrollers	PC	3	3	0	0	3	40	60	100	3
B19ECT602	VLSI Design	PC	3	3	0	0	3	40	60	100	3
B19ECT603	Computer Networks	PC	3	3	0	0	3	40	60	100	3
B19ECP601	Communication Networks Laboratory	PC	2	0	2	0	3	40	60	100	1
B19ECP602	Microprocessors and Microcontrollers Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP603	VLSI Design Laboratory	PC	2	0	2	0	3	40	60	100	1
B19ECT701	Optical Communication	PC	3	3	0	0	3	40	60	100	3
B19ECT702	Embedded and Real Time Systems	PC	3	3	0	0	3	40	60	100	3
B19ECT703	Microwave Engineering	PC	3	3	0	0	3	40	60	100	3
B19ECP701	Embedded Systems Laboratory	PC	4	0	4	0	3	40	60	100	2
B19ECP702	Advanced Communication Laboratory	PC	4	0	4	0	3	40	60	100	2

PROFESSIONAL ELECTIVES (PE)

Semester V

Professional Elective I

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19CST301	Computer Architecture	PE	3	3	0	0	3	40	60	100	3
B19CST303	Operating Systems	PE	3	3	0	0	3	40	60	100	3
B19CSE507	Data Sciences	PE	3	3	0	0	3	40	60	100	3
B19CSE605	Artificial intelligence	PE	3	3	0	0	3	40	60	100	3

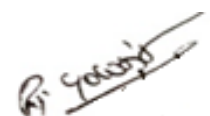
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Semester VI
Professional Elective II

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECE601	Antennas and Wave Propagation	PE	3	3	0	0	3	40	60	100	3
B19ECE602	Wireless Communication	PE	3	3	0	0	3	40	60	100	3
B19ECE603	Wireless Networks	PE	3	3	0	0	3	40	60	100	3
B19ECE604	Neural Networks	PE	3	3	0	0	3	40	60	100	3
B19CSE613	Introduction to Web Technology	PE	3	3	0	0	3	40	60	100	3

Semester VI
Professional Elective III

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECE605	Cognitive Radio	PE	3	3	0	0	3	40	60	100	3
B19ECE606	Foundation Skills in Integrated Product Development	PE	3	3	0	0	3	40	60	100	3
B19ECE607	Satellite Communication	PE	3	3	0	0	3	40	60	100	3
B19MGE602	Disaster Management	PE	3	3	0	0	3	40	60	100	3
B19CSE611	Machine Learning Techniques	PE	3	3	0	0	3	40	60	100	3



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Semester VII
Professional Elective IV

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECE701	CMOS Analog IC Design	PE	3	3	0	0	3	40	60	100	3
B19MAE601	Operations Research	PE	3	3	0	0	3	40	60	100	3
B19MGE601	Total Quality Management	PE	3	3	0	0	3	40	60	100	3
B19CSE704	Soft Computing	PE	3	3	0	0	3	40	60	100	3
B19ECE705	Digital Image Processing	PE	3	3	0	0	3	40	60	100	3

Semester VIII
Professional Elective V

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECE801	Nano Technology and Applications	PE	3	3	0	0	3	40	60	100	3
B19ECE802	Professional Ethics in Engineering	PE	3	3	0	0	3	40	60	100	3
B19ECE803	Electronics Packaging and Testing	PE	3	3	0	0	3	40	60	100	3
B19ECE804	Power Electronics Applications to Renewable Energy Systems	PE	3	3	0	0	3	40	60	100	3
B19ECE805	Principles of Speech Processing	PE	3	3	0	0	3	40	60	100	3


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OPEN ELECTIVES (OE)**Semester V****Open Elective I**

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19AEO501	Basics of Flight Mechanics	OE	3	3	0	0	3	40	60	100	3
B19AGO501	Environment and Agriculture	OE	3	3	0	0	3	40	60	100	3
B19BMO501	Introduction to Medical Physics	OE	3	3	0	0	3	40	60	100	3
B19BTO501	Food Processing and Preservation	OE	3	3	0	0	3	40	60	100	3
B19CSO501	Fundamentals of Database Management System	OE	3	3	0	0	3	40	60	100	3
B19EEO501	Rotating Machines and Transformers	OE	3	3	0	0	3	40	60	100	3
B19MEO501	Robotics	OE	3	3	0	0	3	40	60	100	3

Semester – VI**Open Elective II**

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19AEO601	Aircraft Electrical and Electronic Systems	OE	3	3	0	0	3	40	60	100	3
B19AGO601	Water Resources Management	OE	3	3	0	0	3	40	60	100	3
B19BMO601	Introduction to Biomedical Engineering	OE	3	3	0	0	3	40	60	100	3
B19BTO601	Basic Bioinformatics	OE	3	3	0	0	3	40	60	100	3
B19CSE610	E-Commerce	OE	3	3	0	0	3	40	60	100	3
B19EEO601	Fundamentals of Power Electronics	OE	3	3	0	0	3	40	60	100	3
B19MEO601	Entrepreneurship Development	OE	3	3	0	0	3	40	60	100	3



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Semester VII

Open Elective III

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19AEO701	Basics of Rocket and Missiles	OE	3	3	0	0	3	40	60	100	3
B19AGO701	Production Technology in Agricultural Machinery	OE	3	3	0	0	3	40	60	100	3
B19BMO701	Telemedicine	OE	3	3	0	0	3	40	60	100	3
B19BTO701	Fundamentals of Nano Biotechnology	OE	3	3	0	0	3	40	60	100	3
B19CSO701	Fundamentals of Cloud Computing	OE	3	3	0	0	3	40	60	100	3
B19EEO701	Hybrid Electric Vehicles	OE	3	3	0	0	3	40	60	100	3
B19MEO701	3D Printing and Design	OE	3	3	0	0	3	40	60	100	3

Semester VIII

Open Elective IV

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19AEO801	UAV System Design	OE	3	3	0	0	3	40	60	100	3
B19AGO801	Agricultural finance, Banking and Co-operation	OE	3	3	0	0	3	40	60	100	3
B19BMO801	Medical Imaging Techniques	OE	3	3	0	0	3	40	60	100	3
B19BTO801	Bioreactor Design	OE	3	3	0	0	3	40	60	100	3
B19CSO801	Internet of Things	OE	3	3	0	0	3	40	60	100	3
B19EEO801	Energy Conservation and Management	OE	3	3	0	0	3	40	60	100	3
B19MEO801	Lean Six Sigma	OE	3	3	0	0	3	40	60	100	3


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PROJECT WORK (PW)

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECP604	Mini Project	PW	4	0	4	0	-	100	-	100	2
B19ECP703	Project work (Phase I)	PW	6	0	6	0	3	40	60	100	2
B19ECP801	Project Work (Phase II)	PW	16	0	16	0	3	40	60	100	8

CAREER ENHANCEMENT COURSE (CEC)

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19CEP201	Soft Skills I	CEC	2	0	2	0	-	100	-	100	1
B19CEP301	Soft Skills II	CEC	2	0	2	0	-	100	-	100	1
B19CEP302	Professional Certificate Course I	CEC	2	0	2	0	-	100	-	100	1
B19CEP401	Career Ability Course I	CEC	2	0	2	0	-	100	-	100	NC
B19CEP402	In plant Training	CEC	-	-	-	-	-	-	-	-	NC
B19CEP403	Online Certificate Course	CEC	-	-	-	-	-	-	-	-	NC
B19CEP501	Career Ability Course II	CEC	2	0	2	0	-	100	-	100	NC
B19CEP502	Professional Certificate Course II	CEC	2	0	2	0	-	100	-	100	1
B19CEP503	Summer Internship	CEC	-	-	-	-	-	-	-	-	1
B19CEP601	Career Ability Course III	CEC	2	0	2	0	-	100	-	100	NC
B19CEP602	Online Certificate Course	CEC	-	-	-	-	-	-	-	-	NC

MANDATORY COURSE (MC)

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19MCP101	Life Skills	MC	2	0	2	0	-	100	-	100	NC
B19MCT301	Environmental Sciences	MC	3	3	0	0	-	100	-	100	NC
B19MCT302	Indian Constitution	MC	3	3	0	0	-	100	-	100	NC



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OPEN ELECTIVE COURSES-OFFERED BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Course Code	Course Name	Category	Instructional Hours				Assessment				Credit
			Contact Periods	T	P	TU	Hours of Exam. (ESE)	CIA	ESE	Total	
B19ECO501	Logic and Distributed Control System	OE	3	3	0	0	3	40	60	100	3
B19ECO601	Geographic Information System	OE	3	3	0	0	3	40	60	100	3
B19ECO701	Telecommunication Network Management	OE	3	3	0	0	3	40	60	100	3
B19ECO801	Fundamentals of Planetary Remote Sensing	OE	3	3	0	0	3	40	60	100	3



BoS CHAIRMAN