

Amrita Vishwa Vidyapeetham
Amrita School of Engineering, Amritapuri
Department of Electronics & Communication Engineering (ECE)

Course Book(July - Dec 2020)

S1EAC						
Cat	Code	Title	Name of Faculty	L T P	Cr	ES
SCI	19MAT101	Single Variable Calculus	Sarika S G(Maths)	1 0 0	1	
SCI	19MAT102	Matrix Algebra	Sarika S G(Maths)	2 0 0	2	
ENGG	19EAC101	Introduction to Computer Engineering	AnuChalil	3 0 0	3	
ENGG	19CSE100	Problem Solving and Algorithmic Thinking	Namitha K(CSE)	2 1 3	4	
SCI	19PHY103	Physics of Electronic Materials	Dr Sanjay K Ram	3 0 0	3	
ENGG	19MEE100	Engineering Graphics - CAD	ME Faculty	2 0 3	3	
ENGG	19EEE111	Electrical and Electronics Engineering	Sreehari	3 0 0	3	
ENGG	19EEE182	Electrical and Elelctronics Engg Practice	Sreehari,Rahul	0 0 3	1	
ENGG	19ECE101	Introduction to IoT	Anu Chalil,Abhijeeth	0 0 3	1	
HUM	19CUL101	Cultural Education - I	Bri Shakunthala	2 0 0	2	
		TOTAL		31	23	
S1ECE(A)						
Cat	Code	Title	Name of Faculty	L T P	Cr	ES
SCI	19BIO101	Biology for Engineers - A	Dr Shyam Diwakar(Biotech)	3 0 0	3	
SCI	19MAT101	Single Variable Calculus	Arjun T M(Maths)	1 0 0	1	
SCI	19MAT102	Matrix Algebra	Arjun T M(Maths)	2 0 0	2	
ENGG	19CSE100	Problem Solving and Algorithmic Thinking	Anjali T(Maths)	2 1 3	4	
SCI	19PHY103	Physics of Electronic Materials	Dhanya S R	3 0 0	3	
ENGG	19MEE100	Engineering Graphics - CAD	ME Faculty	2 0 3	3	
ENGG	19EEE100	Basic Electrical and Electronics Engineering	Ms. Sruthy V	3 0 0	3	
ENGG	19EEE181	Basic Elelctrical and Elelctronics Engineering Lab	Ms. Sruthy V, Ms. Sreelelshmi F	0 0 3	1	
ENGG	19ECE101	Introduction to Internet of Things	Aswathi,Abhijeeth	0 0 3	1	
HUM	19CUL101	Cultural Education - I	Vishnu Balachandran (CIR)	2 0 0	2	
		TOTAL		31	23	
S1ECE(B)						
Cat	Code	Title	Name of Faculty	L T P	Cr	ES
SCI	19BIO101	Biology for Engineers - A	Dr Shyam Diwakar(Biotech)	3 0 0	3	
SCI	19MAT101	Single Variable Calculus	Arjun T M(Maths)	1 0 0	1	
SCI	19MAT102	Matrix Algebra	Arjun T M(Maths)	2 0 0	2	
ENGG	19CSE100	Problem Solving and Algorithmic Thinking	Deepa S(Maths)	2 1 3	4	
SCI	19PHY103	Physics of Electronic Materials	Dhanya S R	3 0 0	3	
ENGG	19MEE100	Engineering Graphics - CAD	ME Faculty	2 0 3	3	
ENGG	19EEE100	Basic Electrical and Electronics Engineering	Ms. Sruthy V	3 0 0	3	
ENGG	19EEE181	Basic Elelctrical and Elelctronics Engineering Lab	Ms. Sruthy V, Ms. Sreelelshmi F	0 0 3	1	
ENGG	19ECE101	Introduction to Internet of Things	Aswathi,Abhijeeth	0 0 3	1	
HUM	19CUL101	Cultural Education - I	Vishnu Balachandran (CIR)	2 0 0	2	
		TOTAL		31	23	
S3EAC						
Cat.	Code	Title	Name of Faculty	L T P	Credit	ES
SCI	19MAT209	Linear Algebra and Optimization Techniques	Dr Manju B R (Maths)	3 1 0	4	
ENGG	19EAC204	Computer Organization and Architecture	Dr Rajesh Kannan	3 0 0	3	

ENGG	19EAC203	Data Structures and Algorithms	Dr Rekha(WNA)	2 0 3	3	
ENGG	19EAC205	Mathematics of Signal Processing	Dr Sandeep	3 0 0	3	
ENGG	19EAC201	Electronic Circuits I	Rahul Lal	3 0 0	3	
HUM	19AVP201	Amrita Values Program	Manoj Kumar(CIR)	1 0 0	1	
ENGG	19EAC202	Network Theory	Anuchalil	3 0 0	3	
ENGG	19EAC281	Mathematics of Signal Processing Lab	Dr Sandeep,Gayathri	0 0 3	1	
ENGG	19EAC282	Electronic Circuits I Lab	Rahul Lal,Poornima	0 0 3	1	
HUM	LSK101	Soft Skills,Verbal Skills,Aptitude	Ms. Indira Namboodiripad & Ms. Darsana V, Ms. Megha B, Ms. Chinju N		P/F	
		TOTAL		31	23	

S3ECE(A)

Cat	Code	Title	Name of Faculty	L T P	Cr	ES
ENGG	19ECE201	Analog Electronic Circuits	Dr Rajesh Kannan	3 0 0	3	
ENGG	19ECE202	Applied Electromagnetics	Dr Rakesh Kumar	3 1 0	4	
ENGG	19ECE204	Digital Electronics and Systems	Geethu	3 1 0	4	
ENGG	19ECE203	Signals and Systems	Poorna	3 1 0	4	
SCI	19MAT205	Probability Theory and Random Processes	Lasitha A(Maths)	3 1 0	4	
ENGG	19ECE282	Digital Electronics and Systems Lab	Geethu,Anu Chalil	0 0 3	1	
ENGG	19ECE281	Analog Electronics Lab	Sandeep, Sreenidhi	0 0 3	1	
HUM	19AVP201	Amrita Values Program 1	Vishnu Balachandran (CIR)	1 0 0	1	
HUM	19ENV300	Environmental Science			P/F	
HUM	LSK101	Soft Skills,Verbal Skills,Aptitude	Ms. Indira Namboodiripad & Ms. Darsana V, Ms. Megha B, Ms. Chinju N		P/F	
		TOTAL		25	22	

S3ECE(B)

Cat	Code	Title	Name of Faculty	L T P	Cr	ES
ENGG	19ECE201	Analog Electronic Circuits	Dr Rajesh Kannan	3 0 0	3	
ENGG	19ECE202	Applied Electromagnetics	Dr Rakesh Kumar	3 1 0	4	
ENGG	19ECE204	Digital Electronics and Systems	Poornima	3 1 0	4	
ENGG	19ECE203	Signals and Systems	Anuraj	3 1 0	4	
SCI	19MAT205	Probability Theory and Random Processes	Lasitha A(Maths)	3 1 0	4	
ENGG	19ECE282	Digital Electronics and Systems Lab	Poorna, Anuraj	0 0 3	1	
ENGG	19ECE281	Analog Electronics Lab	Sreehari, Sreenidhi	0 0 3	1	
HUM	19AVP201	Amrita Values Program 1	Vishnu Balachandran (CIR)	1 0 0	1	
HUM	19ENV300	Environmental Science			P/F	
HUM	LSK101	Soft Skills,Verbal Skills,Aptitude	Ms. Indira Namboodiripad & Ms. Darsana V, Ms. Megha B, Ms. Chinju N		P/F	
		TOTAL		25	21	

S5ECE(A)

Cat	Code	Subject	Name of Faculty	L-T-P	Cr	ES
ENGG	15ECE301	Communication Theory	Gayathri N	3-1-0	4	
ENGG	15ECE302	Control System Engineering	Dr Sandeep	3-1-0	4	
ENGG	15ECE303	Linear Integrated Circuits	Rajeswari	3-0-0	3	
ENGG	15ECE304	Microprocessor and Microcontroller	Senthil Murugan	3-1-0	4	
SCI	15MAT303	Optimization Techniques	Mr. Bintu Syam(Maths)	2-1-0	3	
ENGG	15ECE381	Circuits and Communication Lab	Rajeswari,Prasanth	0-0-2	1	
ENGG	15ECE382	Microcontroller Lab	Senthil Murugan,Chinmayi	0-0-2	1	
HUM	15SSK321	Soft Skill II	Mr. Balachandar S & Mr. Kiran Kumar B, Mr. Krishnan R, Mr. Narayanan RS	1-0-2	2	
H	15ECE390	Live-in-Lab**			[3]	

						22	
S5ECE(B)							
Cat	Code	Subject	Name of Faculty	L-T-P	Cr	ES	
ENGG	15ECE301	Communication Theory	Aswathi	3-1-0	4	A	
ENGG	15ECE302	Control System Engineering	Dr Sreenidhi	3-1-0	4	C	
ENGG	15ECE303	Linear Integrated Circuits	Rajeswari	3-0-0	3	D	
ENGG	15ECE304	Microprocessor and Microcontroller	Senthil Murugan	3-1-0	4	E	
SCI	15MAT303	Optimization Techniques	Mr.Jeevan S(Maths)	2-1-0	3	B	
ENGG	15ECE381	Circuits and Communication Lab	Prasanth,Rajeswari	0-0-2	1	L1	
ENGG	15ECE382	Microcontroller Lab	Senthil Murugan,Chinmayi	0-0-2	1	L2	
HUM	15SSK321	Soft Skill II	Mr. Balachandar S & Mr. Kiran Kumar B, Mr. Krishnan R, Mr. Narayanan RS	1-0-2	2	G	
H	15ECE390	Live-in-Lab**			[3]	P2	
					22	[3]	

S7ECE (A)							
Cat	Code	Subject	Name of Faculty	L-T-P	Cr	ES	
ENGG	15ECE401	Information Theory and Coding Techniqes	Prasanth	01/03/2000	4	A	
ENGG	15ECE402	Radio Frequency Engineering	Dr Sreedevi	3-1-0	4	B	
	15ENV300	Environmental Science and Sustainability	ME Faculty	3-0-0	3	H	
ENGG		Elective 11 (cap 35)		3-0-0	3	E	
	15ECE359	Wireless Communication	Aswathi				
	15ECE325	Biomedical Signal Processing	Chinmayi				
	15ECE356	Satellite Communication	Gayathri N				
	15ECE369	Principles of VLSI Testing	Geethu				
ENGG		Elective 111 (cap 35)		3-0-0	3	D	
	15ECE348	Microstrip Devices and Circuits	Dr. Sreedevi				
	15ECE334	Wavelet based Signal Processing	Poorna SS				
	15ECE351	MIMO and Multi Carrier Systems	Anuraj K				
	15ECE344	Antenna Systems and Design	Rahul				
ENGG	15ECE481	Microwave Engineering Lab	Dr Sreedevi, Dr Viswas, Dr Rake	0-0-2	1	L1	
PRJ	15ECE495	Project Phase 1	Geethu		2	P1	
ENGG	15ECE490	Live-in-Lab**			[3]	P2	
					20 [+3]		

S7ECE (B)							
Cat	Code	Subject	Name of Faculty	L-T-P	Cr	ES	
ENGG	15ECE401	Information Theory and Coding Techniqes	Sreehari	3-1-0	4	A	
ENGG	15ECE402	Radio Frequency Engineering	Dr Viswas	3-1-0	4	B	
HUM	15ENV300	Environmental Science and Sustainability	ME Faculty	3-0-0	3	H	
ENGG		Elective 11 (cap 40)		3-0-0	3	E	
	15ECE359	Wireless Communication	Aswathi				
	15ECE325	Biomedical Signal Processing	Chinmayi				
	15ECE356	Satellite Communication	Gayathri N				
	15ECE369	Principles of VLSI Testing	Geethu				
ENGG		Elective 111 (cap 40)		3-0-0	3	D	
	15ECE348	Microstrip Devices and Circuits	Dr. Sreedevi				
	15ECE334	Wavelet based Signal Processing	Poorna SS				
	15ECE351	MIMO and Multi Carrier Systems	Anuraj K				
	15ECE344	Antenna Systems and Design	Rahul				
ENGG	15ECE481	Microwave Engineering Lab	Dr Viswas, Dr Sreedevi,Dr Rake	0-0-2	1	L1	
PRJ	15ECE495	Project Phase 1	Baby Sreeja		2	P1	

ENGG	15ECE490	Live-in-Lab**			[3]	P2
					20 [+3]	