



(Established under Karnataka Act No.16 of 2013)  
100 Feet Ring Road, BSK III Stage, Bangalore-560085

### TRANSCRIPT

Name	BHUSHAN KIRAN MUNOLI	Duration of the Program	4 Years
SRN	PES1UG19EC359	Medium of Instruction	English
Transcript Number	UT/2019/ECE/C359	Date of Issue	October 06, 2023
Year of Admission	2019	Year of Completion	MAY 2023
Program of Study	B.Tech. - Electronics and Communication Engineering		



Sl. No	Course Code	Course Title	Credits	Grade	Month & Year of Completion	Sl. No	Course Code	Course Title	Credits	Grade	Month & Year of Completion
1	UE19CS101	Introduction to Computing Using Python	4	B	Dec 2019	38	UE19EC304	Computer Communication Networks Laboratory	1	A	Dec 2021
2	UE19CS102	Introduction to Computing Using Python Laboratory	1	A	Dec 2019	39	UE19EC305	Digital VLSI Design Laboratory	1	S	Dec 2021
3	UE19EE101	Basic Electrical Engineering	3	D	Dec 2019	40	UE19EC306AG	Mini Project	2	A	Dec 2021
4	UE19HS102	Environmental Studies	-	AP	Dec 2019	41	UE19EC317	Digital Image Processing	4	B	Dec 2021
5	UE19MA101	Engineering Mathematics - I	4	C	Dec 2019	42	UE19EC327	Artificial Neural Networks	4	B	Dec 2021
6	UE19ME101	Mechanical Engineering Sciences	3	B	Dec 2019	43	UE19EC339	Robotic Systems	4	B	May 2022
7	UE19ME102	Computer Aided Engineering Graphics	2	C	Dec 2019	44	UE19EC341	Cryptography	4	C	May 2022
8	UE19PH101	Engineering Physics	4	B	Dec 2019	45	UE19EC351	Waveguides and Antennas	5	B	May 2022
9	UE19PH102	Physics Laboratory	1	A	Dec 2019	46	UE19EC352	Verification of Digital Systems	5	B	May 2022
10	UE19BT101	Engineering Biology	2	B	July 2020	47	UE19EC353	Machine Learning	4	B	May 2022
11	UE19CS151	Problem Solving with C	4	B	July 2020	48	UE19EC390A	Project Work Phase - I	2	A	May 2022
12	UE19CS152	Problem Solving with C Laboratory	1	A	July 2020	49	UE19EC390B	Project Work Phase - II	6	S	Dec 2022
13	UE19CV101	Engineering Mechanics	3	B	July 2020	50	UE19EC390C	Project Work Phase - III	2	S	MAY 2023
14	UE19CY101	Engineering Chemistry	4	B	July 2020	51	UE19EC400B	Autonomous Vehicles Technology	2	A	Dec 2022
15	UE19CY102	Chemistry Laboratory	1	A	July 2020	52	UE19EC400C	Audio Technology	2	A	Dec 2022
16	UE19EC101	Foundation in Electronic Circuits and Systems	3	A	July 2020	53	UE19EC400E	5G for IoT Applications	2	C	Dec 2022
17	UE19MA151	Engineering Mathematics - II	4	A	July 2020	54	UE19EC491C	Internship	6	S	MAY 2023
18	UE18EC306AA	CIE Level - I Getting Started with Entrepreneurship	2	A	Dec 2020						
19	UE19EC201	Mathematics for Electronic Engineers	4	B	Dec 2020						
20	UE19EC202	Network Analysis and Synthesis	4	B	Dec 2020						
21	UE19EC203	Signals and Systems	4	B	Dec 2020						
22	UE19EC204	Analog Circuit Design	4	C	Dec 2020						
23	UE19EC205	Computer Organization and Digital Design	4	B	Dec 2020						
24	UE19EC206	Analog Circuit Design Laboratory	1	A	Dec 2020						
25	UE19EC207	Computer Organization and Digital Design Laboratory	1	A	Dec 2020						
26	UE19HS101	Constitution of India and Professional Ethics	-	AP	Dec 2020						
27	UE19EC251	Embedded System Design	4	C	May 2021						
28	UE19EC252	Electromagnetic Field Theory	4	A	May 2021						
29	UE19EC253	Principles of Digital Signal Processing	4	B	May 2021						
30	UE19EC254	Digital Communication	4	B	May 2021						
31	UE19EC255	Principles of Digital Signal Processing Laboratory	1	A	May 2021						
32	UE19EC256	Embedded System Design Laboratory	1	S	May 2021						
33	UE19EC257H	Digital Design using Verilog : ASIC and FPGA Cadence Tool	2	A	May 2021						
34	UE19MA251	Linear Algebra and Its Applications	4	A	May 2021						
35	UE19EC301	Computer Communication Networks	4	B	Dec 2021						
36	UE19EC302	Digital VLSI Design	4	C	Dec 2021						
37	UE19EC303	Control Systems	4	C	Dec 2021						

Credits	160	CGPA	8.21
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Grade : S - 10 (Outstanding), A - 9 (Excellent), B - 8 (Very Good), C - 7 (Good), D - 6 (Fair), E - 5 (Satisfactory), AP - Audit Pass  
Class : >= 9.50 - First Class With Honors, >= 7.75 & 9.50 - First Class With Distinction, >= 6.75 & 7.75 - First Class, >= 5.75 & 6.75 - Second Class, >= 5.0 & 5.75 - Pass Class



*[Signature]*

VERIFIED BY

*[Signature]*

CONTROLLER OF EXAMINATIONS

Controller of Examinations

PES University

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Bangalore--560 085