EDP S. No.: 9048921

## ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

## Punjab Technical University





#### **BACHELOR OF TECHNOLOGY**

Mr./Ms. Syed Numan Qadri son/daughter of Mohammed Yaqub Qadari student of Chandigarh Engineering College, Landran, having completed the course of studies approved by the University and having passed the prescribed examination held in April-2015 has been conferred the degree of Bachelor Of Technology of this University in the discipline of Electronics & Communication Engineering in First Division

Given under the seal of the University

ਰਜਿਸਟਰਾਰ Registrar Jalandhar, 19/06/15



ਚਾਂਸਲਰ Chancellor



### ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

# Punjab Technical University OFFICIAL TRANSCRIPT Dated



This is to certify that Mr./Ms. Syed Numan Qadri S/o/D/o Sh. Mohammed Yaqub Qadari has passed Bachelor of Technology (Electronics & Communication Engg.) from Chandigarh Engineering College, Landran an affiliated college of this University, under University Roll No . 1139540. The detail of marks are given as under:-

		_		SECOND Semester 101224173		v-20	12
Subject Name	TP	-	MM	Subject Name	TP	_	ММ
Engineering Mathematics-I (BTAM-101)	Т	51	100	Engineering Mathematics-II (BTAM-102)	Т	50	100
Engineering Chemistry (BTCH-101)	Т	59	100	Basic Electrical and Electronics Engineering (BTEE-	Т	52	100
Engineering Chemistry Laboratory (BTCH-102)	Р	40	50	101) Basic Electrical and Electronics Engineering	P	36	50
Fundamentals of ComputerProgramming and IT	Т	58	100	Laboratory (BTEE-102) Communicative English (BTHU-101)	Т	74	100
(BTCS-101) Fundamentals of ComputerProgramming and IT	Р	36	50	Communicative English Laboratory (BTHU-102)		47	50
Laboratory (BTCS-102) Elements of MechanicalEngineering (BTME-101)	<del> </del>	48	100	Manufacturing Practice (BTMP-101)		69	100
Engineering Drawing (BTME-102)		61	100	Engineering Physics (BTPH-101)		52	100
Engineering Computer Graphics Laboratory (BTME-103)	P	35	50	Engineering Physics Laboratory (BTPH-102)		33	50
Environment Science (EVSC-101)	Т	62	100	General Fitness (GF2)		90	100
TOTAL	_	450	750	Human Values and Professional Ethics (HVPE-101)	Т	60	100
THIRD Semester 102407579		ril-20	14	TOTAL		563	850
Subject Name	TP		MM	FOURTH Semester 102427383		ril-20	
Engineering Mathematics-III (BTAM-301)		45	100	Subject Name Analog Communication Systems (BTEC-401)		<b>OM</b> 54	<b>MM</b> 100
Object Oriented Programming Using C++ (BTCS-305)	Т		100	Signal & Systems (BTEC-401)		59	100
Analog Devices & Circuits (BTEC-301)		66	100			71	
Digital Circuit and Logic Desing (BTEC-302)	Т	58	100	Electromagnetics & Antennas (BTEC-403)			100
Network Analysis and Synthesis (BTEC-303)	Т	49	100	Electronic Measurement & Instrumentation (BTEC-404)	T	55	100
Lab Analog Devices & Circuits (BTEC-304)	Р	37	50	Pulse Wave Shaping and Switching (BTEC-405)	T	46	100
Lab Digital Circuit and Logic Design (BTEC-305)	Р	43	50	Lab Analog Communication Systems (BTEC-406)	Р	30	50
Lab Object Oriented Programming (BTEC-309)	Р	42	50	Lab Electronic Measurement & Instrumentation	Р	45	50
Workshop Training (WT-3)	Р	80	100	(BTEC-407) Lab Signal & Systems using MATLAB/Mentor DSP	P	38	50
TOTAL	_	481	750	(BTEC-408)			100
FIFTH Semester 102581584	No	v-20	14	Linear Control Systems (BTEE-402)		53	100
Subject Name	TP		MM	General Fitness (GF5)	P	90	100
Data Structures (BTCS-304)	Т	60	100	TOTAL 102211F01		541	•
Digital Communication System (BTEC-501)		47	100	SIXTH Semester 102311581		ril-20	
Digital Signal Processing (BTEC-502)		48	100	Subject Name		48	<b>MM</b> 100
				NOnerating Systems (BICS-401)	ΙT	1.~	100
Linear Integrated Circuit (BTEC-503)	Т	67	100	Operating Systems (BTCS-401)		56	100
Linear Integrated Circuit (BTEC-503)  Microprocessors & Microcontrollers (BTEC-504)		67 42	100 100	Microwave & Radar Engineering (BTEC-601)	Т	56 53	100
, ,	Т	42		Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602)	T	53	100
Microprocessors & Microcontrollers (BTEC-504)	T P	42	100	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603)	T	53 70	100
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)	T P	42 28	100 50	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604)	T T T	53 70 49	
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)	T P P	42 28 39	100 50 50	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603)	T T T	53 70	100
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)	T P P P	42 28 39 26	100 50 50 50	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604)	T T T	53 70 49	100
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)	T P P P	42 28 39 26 32	100 50 50 50 50	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605)	T T T P	53 70 49 39	100 100 50
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)	T P P P	42 28 39 26 32 82	100 50 50 50 50 100 800	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606)	T T T P P T	53 70 49 39 40	100 100 50 50
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name	T P P P P T No	42 28 39 26 32 82 471 v-20	100 50 50 50 50 50 100 800 14	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907)	T T T P P T	53 70 49 39 40 57	100 100 50 50 100
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760	T P P P P T No	42 28 39 26 32 82 471 v-20	100 50 50 50 50 100 800	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF)	T T P P P	53 70 49 39 40 57	100 100 50 50 100 100
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name	Т Р Р Р Р <b>No</b>	42 28 39 26 32 82 471 v-20	100 50 50 50 50 50 100 800 14	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF) TOTAL EIGHTH Semester 102900719 Subject Name	T T T P P T P	53 70 49 39 40 57 96 508 ril-20	100 100 50 50 100 100 800 D15
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name  Computer Networks (BTCS-403)	T	42 28 39 26 32 82 471 v-20 OM	100 50 50 50 50 100 800 14 MM	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF) TOTAL EIGHTH Semester 102900719 Subject Name Industrial Oriented Project /Industrial /Institutional	T T T P P T P	53 70 49 39 40 57 96 508 ril-20	100 100 50 50 100 100 800
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name  Computer Networks (BTCS-403)  Embedded Systems (BTEC-701)  Optical Communication (BTEC-702)  Lab Wireless and Optical Systems & Networks (BTEC-	T	42 28 39 26 32 82 471 v-20 OM 54	100 50 50 50 50 100 800 14 MM 100	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF) TOTAL EIGHTH Semester 102900719 Subject Name	T T T P P T P P P P P P	53 70 49 39 40 57 96 508 ril-20 462	100 100 50 50 100 100 800 D15
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name  Computer Networks (BTCS-403)  Embedded Systems (BTEC-701)  Optical Communication (BTEC-702)  Lab Wireless and Optical Systems & Networks (BTEC-703)	T	42 28 39 26 32 82 471 v-20 OM 54 63	100 50 50 50 50 100 800 14 MM 100 100	Microwave & Radar Engineering (BTEC-601)  Wireless Communication System (BTEC-602)  Engineering Economics & Industrial Management (BTEC-603)  VLSI Design (BTEC-604)  Lab VLSI (BTEC-605)  Lab Microwave Engineering (BTEC-606)  Information Theory & Coding (BTEC-907)  General Fitness (GF)  TOTAL  EIGHTH Semester 102900719  Subject Name  Industrial Oriented Project /Industrial /Institutional Training (BTIOPT)	T T T P P T P P P P P P	53 70 49 39 40 57 96 508 ril-20 462	100 100 50 50 100 100 100 100 800 D15 MM 500
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name  Computer Networks (BTCS-403)  Embedded Systems (BTEC-701)  Optical Communication (BTEC-702)  Lab Wireless and Optical Systems & Networks (BTEC-703)  Lab Embedded Systems (BTEC-704)	T	42 28 39 26 32 82 471 v-20 OM 54 63 53 42	100 50 50 50 50 100 800 14 MM 100 100 50	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF) TOTAL EIGHTH Semester 102900719 Subject Name Industrial Oriented Project /Industrial /Institutional Training (BTIOPT) Software Training (BTST-801)	T T T P P T P P P P P P	53 70 49 39 40 57 96 508 ril-20 0M 462 200	100 100 50 50 100 100 800 D15 MM 500 250
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name  Computer Networks (BTCS-403)  Embedded Systems (BTEC-701)  Optical Communication (BTEC-702)  Lab Wireless and Optical Systems & Networks (BTEC-703)  Lab Embedded Systems (BTEC-704)  Major Project (BTEC-705)	T	42 28 39 26 32 82 471 V-20 OM 54 63 53 42 40	100 50 50 50 50 100 800 14 MM 100 100 50 50	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF) TOTAL EIGHTH Semester 102900719 Subject Name Industrial Oriented Project /Industrial /Institutional Training (BTIOPT) Software Training (BTST-801)	T T T P P T P P P P P P	53 70 49 39 40 57 96 508 ril-20 0M 462 200	100 100 50 50 100 100 800 D15 MM 500
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name  Computer Networks (BTCS-403)  Embedded Systems (BTEC-701)  Optical Communication (BTEC-702)  Lab Wireless and Optical Systems & Networks (BTEC-703)  Lab Embedded Systems (BTEC-704)  Major Project (BTEC-705)  Human Resource Management (BTEC-913)	T	42 28 39 26 32 82 471 v-20 OM 54 63 53 42 40 102	100 50 50 50 50 100 800 14 MM 100 100 50 50 150 100	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF) TOTAL EIGHTH Semester 102900719 Subject Name Industrial Oriented Project /Industrial /Institutional Training (BTIOPT) Software Training (BTST-801)	T T T P P T P P P P P P	53 70 49 39 40 57 96 508 ril-20 0M 462 200	100 100 50 50 100 100 800 D15 MM 500
Microprocessors & Microcontrollers (BTEC-504)  Lab Digital Signal Processing (BTEC-505)  Lab Linear Integrated Circuit (BTEC-506)  Lab Digital Communication System (BTEC-507)  Lab Hardware Programme & Interfacing (BTEC-508)  Industrial Training (Ind. Trg-5)  TOTAL  SEVENTH Semester 102544760  Subject Name  Computer Networks (BTCS-403)  Embedded Systems (BTEC-701)  Optical Communication (BTEC-702)  Lab Wireless and Optical Systems & Networks (BTEC-703)  Lab Embedded Systems (BTEC-704)  Major Project (BTEC-705)	T	42 28 39 26 32 82 471 V-20 OM 54 63 53 42 40	100 50 50 50 50 100 800 14 MM 100 100 50 50	Microwave & Radar Engineering (BTEC-601) Wireless Communication System (BTEC-602) Engineering Economics & Industrial Management (BTEC-603) VLSI Design (BTEC-604) Lab VLSI (BTEC-605) Lab Microwave Engineering (BTEC-606) Information Theory & Coding (BTEC-907) General Fitness (GF) TOTAL EIGHTH Semester 102900719 Subject Name Industrial Oriented Project /Industrial /Institutional Training (BTIOPT) Software Training (BTST-801)	T T T P P T P P P P P P	53 70 49 39 40 57 96 508 ril-20 0M 462 200	100 100 50 50 100 100 800 D15 MM 500

Total Marks Obtainted: 4238 Total Maximum Marks: 6400 Notice: - Medium of Instruction is

EDP Cell Prepared By:

AR(Exams) Dy.Controller of Exams Controller of Examinations Checked By:

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