

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL

(An Autonomous Institute under Kakatiya University, Warangal)

No: Covid 19/ / ECE / KITS/2020

### **EQUIVALENT COURSES under URR-18 SCHEME**

Programme: B.Tech ELECTRONICS AND COMMUNICATION ENGINEERING

### **Submitted to the Principal:**

Ref: (i) AA office circular No. KITS/Acad/URR-14 & URR-18/RR/2020/ dated 07.09.2020 – On the rules for re-admission of detained students of URR-14 (old scheme) to URR-18 (new scheme) during AY 2020-21- Rules- Reg.

(ii) Roll lists released for re-admission of detained students, dated 27-07-2020.

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As per the decision of the institute academic advisory committee (AAC), vide ref (i) cited, at its meeting held on 04.09.2020, the detained students of URR-14 (old scheme), who were permitted to take re-admission under URR-18 (new scheme) into various semesters during the AY 2020-21, should have to appear for the courses by taking equivalent courses under the URR-18 scheme.

The equivalent courses prescribed for B.Tech. ELECTRONICS AND COMMUNICATION ENGINEERING under URR-18 scheme are notified separately for the candidates admitted into III, IV, V, VI, VII and VIII semesters.

### A. For URR-14 Students <u>re-admitted into III SEMESTER</u> under URR-18

	EQUIVALENT COURSES					
	Programme: B.Tech ELECTRONICS AND COMMUNICATION ENGINEERING					
Seme-	S.	COURSES under URR-18 scheme	EQUIVALENT Courses	Remarks		
ster	No.	COOKSES Under OKK-18 Scheme	in URR-14 scheme	Kemarks		
B. Tech	1.	U18MH101 Engineering Mathematics - I	U14MH101:Engineering Mathematics-I	-		
(I sem)	2	U18CS102:Programming for Problem	U14CS102:Programming in C			
	۷.	Solving using C	014C3102.110gramming in C	-		
	3.	U18CH103:Engineering Chemistry	U14CH103:Engineering Chemistry	-		
	4.	U18ME104: Engineering Drawing	U14ME104: Engineering Graphics	-		
	5.	U18CE105: Engineering Mechanics	U14CE106:Basic Engineering Mechanics	-		
	6	U18CS107:Programming for Problem	U14CS107:Programming in "C"			
	6.	Solving using C Laboratory	Laboratory	-		

Date: 23.09.2020

	7.	U18CH108:Engineering Chemistry Laboratory	U14CH108:Engineering Chemistry Laboratory	-
	8.	U18CH109: Environmental Studies	U14CH109: Environmental Studies	-
	9.	U18EA110:EAA: Sports / Yoga / NSS	U14EA110:EAA: Physical Education & NSS	-
	10.	U18EA111: Universal Human Values-I (Induction Program)	No equivalent course	The candidate has to do an equivalent MOOC on U18EA111: Universal Human Values-I / attend parallel classes by the department concerned, if the course is offered
	11.	U18MH201:Engineering Mathematics – II	U14MH201:Engineering Mathematics-II	
	12.	U18CS202:Data Structures Through C	No equivalent course	The candidate has to do an equivalent MOOC on U18CS202:Data Structures through C / attend parallel classes by the department concerned, if the course is offered
	13.	U18PH203:Engineering Physics	U14PH203:Engineering Physics	-
	14.	U18MH204: English for Communication	U14MH204: English for Communication	-
	15.	U18EE205: Basic Electrical Engineering	U14EE105: Basic Electrical Engineering	-
B. Tech (II sem)	16.	U18EE206: Basic Electrical Engineering Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS206:Basic Electrical Engineering Laboratory during regular semester/inter-semester break/ summer break, as decided by the department concerned
	17.	U18CS207:Data Structures Through C Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS207:Data Structures Through C Laboratory during regular semester/inter-semester break/ summer break, as decided by the department concerned
	18.	U18PH208:Engineering Physics Laboratory	U14PH208:Engineering Physics Laboratory	-
	19.	U18ME209:Workshop Practice	U18ME209: Engineering Workshop Practice	-
	20.	U18EA210:EAA: Sports / Yoga / NSS	U14EA210:EAA: Physical Education & NSS	-

Re-admission into III SEMESTER under URR-18
THE LIST OF EQUIVALENT COURSES ENDS HERE

## B. For URR-14 Students <u>re-admitted into IV SEMESTER</u> under URR-18

	EQUIVALENT COURSES under URR-18 SCHEME Programme: B.Tech ELECTRONICS AND COMMUNICATION ENGINEERING				
Seme- ster	S. No.	COURSES under URR-18 scheme	EQUIVALENT Courses in URR-14 scheme	Remarks	
	1.	U18MH101 Engineering Mathematics - I	U14MH101:Engineering Mathematics-I	-	
	2.	U18CS102:Programming for Problem Solving using C	U14CS102:Programming in C	-	
	3.	U18CH103:Engineering Chemistry	U14CH103:Engineering Chemistry	-	
	4.	U18ME104: Engineering Drawing	U14ME104: Engineering Graphics	-	
	5.	U18CE105: Engineering Mechanics	U14CE106:Basic Engineering Mechanics	-	
	6.	U18CS107:Programming for Problem Solving using C Laboratory	U14CS107:Programming in "C" Laboratory	-	
B. Tech (I sem)	7.	U18CH108:Engineering Chemistry Laboratory	U14CH108:Engineering Chemistry Laboratory	-	
	8.	U18CH109: Environmental Studies	U14CH109: Environmental Studies	-	
	9.	U18EA110:EAA: Sports / Yoga / NSS	U14EA110:EAA: Physical Education & NSS	-	
	10.	U18EA111: Universal Human Values-I (Induction Program)	No equivalent course	The candidate has to do an equivalent MOOC on U18EA111: Universal Human Values-I / attend parallel classes by the department concerned, if the course is offered	
	11.	U18MH201:Engineering Mathematics – II	U14MH201:Engineering Mathematics-II	-	
B. Tech	12.	U18CS202:Data Structures Through C	No equivalent course	The candidate has to do an equivalent MOOC on U18CS202:Data Structures through C / attend parallel classes by the department concerned, if the course is offered	
(II sem)	13.	U18PH203:Engineering Physics	U14PH203:Engineering Physics	-	
	14.	U18MH204: English for Communication	U14MH204: English for Communication	-	
	15.	U18EE205: Basic Electrical Engineering	U14EE105: Basic Electrical Engineering	-	
	16.	U18EE206: Basic Electrical Engineering Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS206:Basic Electrical Engineering Laboratory during regular	

	17.	U18CS207:Data Structures Through C Laboratory	No equivalent course	semester/inter-semester break/ summer break, as decided by the department concerned  The candidate has to attend Parallel lab classes on U18CS207:Data Structures Through C Laboratory during regular semester/inter-semester break/ summer
	18.	U18PH208:Engineering Physics Laboratory	U14PH208:Engineering Physics Laboratory	break, as decided by the department concerned
	19.	U18ME209:Workshop Practice	U18ME209: Engineering Workshop Practice	-
	20.	U18EA210:EAA: Sports / Yoga / NSS	U14EA210:EAA: Physical Education & NSS	-
	21.	U18MH301:Engineering Mathematics-III	U14MH301:Engineering Mathematics - III	-
	22.	U18TP302: Soft and Interpersonal Skills	No equivalent course	The candidate has to do an equivalent MOOC on U18TP302: Soft and Interpersonal Skills / attend parallel classes by the department concerned, if the course is offered
B. Tech (III sem)	23.	U18OE303A: Object Oriented Programming	U14CS202: Object Oriented Programming	The candidate already studied U14CS202: Object Oriented Programming in 2nd sem of URR-14. Hence, candidate is exempted from taking U18OE303A: Object Oriented Programming in 3 <sup>rd</sup> sem of URR- 18. In case, the candidate failed in U14CS202, he has to clear the course U14CS202 in supplementary examinations within 8 academic years from his registration in 1st semester
	24.	U18OE303B: Fluid Mechanics & Hydraulic Machines	No equivalent course	The candidate has to do an equivalent MOOC on U180E303B: Fluid Mechanics & Hydraulic Machines / attend parallel classes by the department concerned, if the course is offered
	25.	U18OE303C: Fundamentals of Mechatronics	No equivalent course	The candidate has to do an equivalent MOOC on U180E303C: Fundamentals of Mechatronics / attend parallel classes by the department concerned, if the course is offered
	26.	U18OE303D: Web Programming	No equivalent course	The candidate has to do an equivalent MOOC on U180E303D: Web Programming

			/ attend parallel classes by the department
			concerned, if the course is offered
27.	U18OE303F: Strength of Materials	No equivalent course	The candidate has to do an equivalent MOOC on U180E303F: Strength of Materials / attend parallel classes by the department concerned, if the course is offered
28.	U18EC304: Signals & Systems	U14EC304: Signals & Systems	-
29.	U18EC305: Analog Circuits – I	U14EI205: Basic Electronics Engineering	-
30.	U18EC306: Switching Theory & Logic Design	U14EC302: Switching Theory & Logic Design	-
31.	U18EE312: Network Analysis	U14EE310: Network Analysis and Synthesis	-
32.	U18EC308: Analog Circuits - I Laboratory	U14EC308: Electronics Devices and Circuits Laboratory	-
33.	U18OE311A: Object Oriented Programming Lab	U14CS207: Object Oriented Programming Lab	The candidate already studied U14CS207: Object Oriented Programming Lab in 2nd sem of URR-14. Hence, candidate is exempted from taking U18OE311A: Object Oriented Programming Lab in 3 <sup>rd</sup> sem of URR-18. In case, the candidate failed in U14CS207, he has to clear the course U14CS207 in supplementary examinations within 8 academic years from his registration in 1st semester
34.	U18OE311B: Fluid Mechanics and Hydraulic Machines Lab	No equivalent course	The candidate has to do an equivalent MOOC on U180E303D: Web Programming / attend parallel classes by the department concerned, if the course is offered
35.	U18OE311C: Mechatronics Lab	No equivalent course	The candidate has to do an equivalent MOOC on U180E303D: Web Programming / attend parallel classes by the department concerned, if the course is offered
36.	U18OE311D: Web Programming Lab	No equivalent course	The candidate has to do an equivalent MOOC on U180E303D: Web Programming / attend parallel classes by the department concerned, if the course is offered
37.	U18OE311F: Strength of Materials Lab	No equivalent course	The candidate has to do an equivalent  MOOC on U180E303D: Web Programming  / attend parallel classes by the department concerned, if the course is offered
	Re-admission	into IV SEMESTER under URR-18	
	THE LIST OF EQ	QUIVALENT COURSES ENDS HER	E

## C. For URR-14 Students <u>re-admitted into V SEMESTER</u> under URR-18

	EQUIVALENT COURSES under URR-18 SCHEME Programme: B.Tech ELECTRONICS AND COMMUNICATION ENGINEERING					
Seme- ster	S. No.	COURSES under URR-18 scheme	EQUIVALENT Courses in URR-14 scheme	Remarks		
	1.	U18MH101 Engineering Mathematics – I	U14MH101:Engineering Mathematics-I	-		
	2.	U18CS102:Programming for Problem Solving using C	U14CS102:Programming in C	-		
	3.	U18CH103:Engineering Chemistry	U14CH103:Engineering Chemistry	-		
	4.	U18ME104: Engineering Drawing	U14ME104: Engineering Graphics	-		
	5.	U18CE105: Engineering Mechanics	U14CE106:Basic Engineering Mechanics	-		
D. Task	6.	U18CS107:Programming for Problem Solving using C Laboratory	U14CS107:Programming in "C" Laboratory	-		
B. Tech (I sem)	7.	U18CH108:Engineering Chemistry Laboratory	U14CH108:Engineering Chemistry Laboratory	-		
	8.	U18CH109: Environmental Studies	U14CH109: Environmental Studies	-		
	9.	U18EA110:EAA: Sports / Yoga / NSS	U14EA110:EAA: Physical Education & NSS	-		
	10.	U18EA111: Universal Human Values-I (Induction Program)	No equivalent course	The candidate has to do an equivalent MOOC on U18EA111: Universal Human Values-I / attend parallel classes by the department concerned, if the course is offered		
	11.	U18MH201:Engineering Mathematics – II	U14MH201:Engineering Mathematics-II	-		
B. Tech	12.	U18CS202:Data Structures Through C	No equivalent course	The candidate has to do an equivalent MOOC on U18CS202:Data Structures through C / attend parallel classes by the department concerned, if the course is offered		
(II sem)	13.	U18PH203:Engineering Physics	U14PH203:Engineering Physics	-		
	14.	U18MH204: English for Communication	U14MH204: English for Communication	-		
	15.	U18EE205: Basic Electrical Engineering	U14EE105: Basic Electrical Engineering	-		
	16.	U18EE206: Basic Electrical Engineering Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS206:Basic Electrical Engineering Laboratory during regular		

	17.	U18CS207:Data Structures Through C Laboratory	No equivalent course	semester/inter-semester break/ summer break, as decided by the department concerned  The candidate has to attend Parallel lab classes on U18CS207:Data Structures Through C Laboratory during regular semester/inter-semester break/ summer break, as decided by the department concerned
	18.	U18PH208:Engineering Physics Laboratory	U14PH208:Engineering Physics Laboratory	-
	19.	U18ME209:Workshop Practice	U18ME209: Engineering Workshop Practice	-
	20.	U18EA210:EAA: Sports / Yoga / NSS	U14EA210:EAA: Physical Education & NSS	-
	21.	U18MH301:Engineering Mathematics-III	U14MH301:Engineering Mathematics - III	-
	22.	U18TP302: Soft and Interpersonal Skills	No equivalent course	The candidate has to do an equivalent MOOC on U18TP302: Soft and Interpersonal Skills / attend parallel classes by the department concerned, if the course is offered
	23.	U18OE303A: Object Oriented Programming	U14CS202: Object Oriented Programming	-
B. Tech	24.	U18OE303B: Fluid Mechanics & Hydraulic Machines	No equivalent course	The candidate has to do an equivalent MOOC on U180E303B: Fluid Mechanics & Hydraulic Machines / attend parallel classes by the department concerned, if the course is offered
(III sem)	25.	U18OE303C: Fundamentals of Mechatronics	No equivalent course	The candidate has to do an equivalent MOOC on U180E303C: Fundamentals of Mechatronics / attend parallel classes by the department concerned, if the course is offered
	26.	U18OE303D: Web Programming	No equivalent course	The candidate has to do an equivalent  MOOC on U180E303D: Web Programming  / attend parallel classes by the department  concerned, if the course is offered
	27.	U18OE303F: Strength of Materials	No equivalent course	The candidate has to do an equivalent MOOC on U180E303F: Strength of Materials / attend parallel classes by the department concerned, if the course is offered

	28.	U18EC304: Signals & Systems	U14EC304: Signals & Systems	-
	29.	U18EC305: Analog Circuits – I	U14EI205: Basic Electronics Engineering	-
	30.	U18EC306: Switching Theory & Logic	U14EC302: Switching Theory & Logic	
	30.	Design	Design	-
	21	LI19EE212. Notricoule Amplicate	U14EE310: Network Analysis and	
	31.	U18EE312: Network Analysis	Synthesis	-
	22	U18EC308: Analog Circuits - I Laboratory	U14EC308: Electronics Devices and	
	32.	O 16EC506. Analog Circuits - I Laboratory	Circuits Laboratory	-
	33.	U18OE311A: Object Oriented	U14CS207: Object Oriented	
	33.	Programming Lab	Programming Lab	-
	34.	U18OE311B: Fluid Mechanics and Hydraulic Machines Lab	No equivalent course	The candidate has to do an equivalent  MOOC on U180E303D: Web Programming  / attend parallel classes by the department concerned, if the course is offered
	35.	U18OE311C: Mechatronics Lab	No equivalent course	The candidate has to do an equivalent  MOOC on U180E303D: Web Programming  / attend parallel classes by the department concerned, if the course is offered
	36.	U18OE311D: Web Programming Lab	No equivalent course	The candidate has to do an equivalent  MOOC on U180E303D: Web Programming  / attend parallel classes by the department concerned, if the course is offered
	37.	U18OE311F: Strength of Materials Lab	No equivalent course	The candidate has to do an equivalent  MOOC on U180E303D: Web Programming  / attend parallel classes by the department concerned, if the course is offered
	38.	U18OE401A:Applicable Mathematics	U14MH401:Engineering Mathematics - IV	-
	39.	U18OE401C: Elements of Mech. Engg.	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
B. Tech (IV sem)	40.	U18OE401E: Computers Networks	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	41.	U18OE401F: Renewable Energy Resources	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	42.	U18MH402: Professional English	U14MH309: Compliance with current English	-

43.	U18EC403: Electro Magnetic Waves and	U14EC306: Electro Magnetic Waves and	
43.	Transmission Lines	Transmission Lines	-
44.	U18EC404: Analog Circuits - II	U14EC304: Electronic Circuits	-
45.	U18EC405: Pulse and Digital Circuits	U14EC402: Pulse and Digital Circuits	-
46.	U18EC406: Probability and Random	U14EC403: Probability and Random	
40.	Processes	Processes	-
47.	U18EC407: Digital Design	U14EC404: Digital Design	-
48.	U18MH415: Essence of Indian Traditional Knowledge	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
49.	U18EC408: Analog Circuits - II Laboratory	U14EC308: Electronics Devices and Circuits Laboratory	-
50.	U18EC409: Pulse and Digital Circuits	U14EC406: Pulse and Digital Circuits	
50.	Laboratory	Laboratory	-
51.	U18CH416: Environmental Studies	U14CH209: Environmental Studies	-

Re-admission into V SEMESTER under URR-18
THE LIST OF EQUIVALENT COURSES ENDS HERE

## D. For URR-14 Students <u>re-admitted into VI SEMESTER</u> under URR-18

	EQUIVALENT COURSES under URR-18 SCHEME Programme: B.Tech ELECTRONICS AND COMMUNICATION ENGINEERING				
Seme- ster	S. No.	COURSES under URR-18 scheme	EQUIVALENT Courses in URR-14 scheme	Remarks	
	1.	U18MH101 Engineering Mathematics - I	U14MH101:Engineering Mathematics-I	-	
	2.	U18CS102:Programming for Problem Solving using C	U14CS102:Programming in C	-	
	3.	U18CH103:Engineering Chemistry	U14CH103:Engineering Chemistry	-	
	4.	U18ME104: Engineering Drawing	U14ME104: Engineering Graphics	-	
	5.	U18CE105: Engineering Mechanics	U14CE106:Basic Engineering Mechanics	-	
B. Tech	6.	U18CS107:Programming for Problem Solving using C Laboratory	U14CS107:Programming in "C" Laboratory	-	
(I sem)	7.	U18CH108:Engineering Chemistry Laboratory	U14CH108:Engineering Chemistry Laboratory	-	
	8.	U18CH109: Environmental Studies	U14CH109: Environmental Studies	-	
	9.	U18EA110:EAA: Sports / Yoga / NSS	U14EA110:EAA: Physical Education & NSS	-	
	10.	U18EA111: Universal Human Values-I (Induction Program)	No equivalent course	The candidate has to do an equivalent MOOC on U18EA111: Universal Human Values-I/attend parallel classes by the department concerned, if the course is offered	
	11.	U18MH201:Engineering Mathematics – II	U14MH201:Engineering Mathematics-II	-	
	12.	U18CS202:Data Structures Through C	No equivalent course	The candidate has to do an equivalent MOOC on U18CS202:Data Structures through C / attend parallel classes by the department concerned, if the course is offered	
	13.	U18PH203:Engineering Physics	U14PH203:Engineering Physics	-	
B. Tech	14.	U18MH204: English for Communication	U14MH204: English for Communication	-	
(II sem)	15.	U18EE205: Basic Electrical Engineering	U14EE105: Basic Electrical Engineering	-	
	16.	U18EE206: Basic Electrical Engineering Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS206:Basic Electrical Engineering Laboratory during regular semester/intersemester break/ summer break, as decided by the department concerned	
	17.	U18CS207:Data Structures Through C	No equivalent course	The candidate has to attend Parallel lab classes	

		Laboratory		on U18CS207:Data Structures Through C Laboratory during regular semester/inter- semester break/ summer break, as decided by the department concerned
	18.	U18PH208:Engineering Physics Laboratory	U14PH208:Engineering Physics Laboratory	-
	19.	U18ME209:Workshop Practice	U18ME209: Engineering Workshop Practice	-
	20.	U18EA210:EAA: Sports / Yoga / NSS	U14EA210:EAA: Physical Education & NSS	-
	21.	U18MH301:Engineering Mathematics-III	U14MH301:Engineering Mathematics - III	-
	22.	U18TP302: Soft and Interpersonal Skills	No equivalent course	The candidate has to do an equivalent MOOC on U18TP302: Soft and Interpersonal Skills / attend parallel classes by the department concerned, if the course is offered
	23.	U18OE303A: Object Oriented Programming	U14CS202: Object Oriented Programming	-
	24.	U18OE303B: Fluid Mechanics & Hydraulic Machines	No equivalent course	The candidate has to do an equivalent MOOC on U180E303B: Fluid Mechanics & Hydraulic Machines / attend parallel classes by the department concerned, if the course is offered
B. Tech (III sem)	25.	U18OE303C: Fundamentals of Mechatronics	No equivalent course	The candidate has to do an equivalent MOOC on U180E303C: Fundamentals of Mechatronics / attend parallel classes by the department concerned, if the course is offered
(III Scill)	26.	U18OE303D: Web Programming	No equivalent course	The candidate has to do an equivalent MOOC on U180E303D: Web Programming / attend parallel classes by the department concerned, if the course is offered
	27.	U18OE303F: Strength of Materials	No equivalent course	The candidate has to do an equivalent MOOC on U180E303F: Strength of Materials / attend parallel classes by the department concerned, if the course is offered
	28.	U18EC304: Signals & Systems	U14EC304: Signals & Systems	-
	29.	U18EC305: Analog Circuits - I	U14EI205: Basic Electronics Engineering	-
	30.	U18EC306: Switching Theory & Logic Design	U14EC302: Switching Theory & Logic Design	-
	31.	U18EE312: Network Analysis	U14EE310: Network Analysis and Synthesis	-
	32.	U18EC308: Analog Circuits - I Laboratory	U14EC308: Electronics Devices and Circuits Laboratory	-

	33.	U18OE311A: Object Oriented	U14CS207: Object Oriented	
	55.	Programming Lab	Programming Lab	-
	34.	U18OE311B: Fluid Mechanics and Hydraulic Machines Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	35.	U18OE311C: Mechatronics Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	36.	U18OE311D: Web Programming Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	37.	U18OE311F: Strength of Materials Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	38.	U18OE401A:Applicable Mathematics	U14MH401:Engineering Mathematics - IV	-
	39.	U18OE401C: Elements of Mech. Engg.	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
	40.	U18OE401E: Computers Networks	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
	41.	U18OE401F: Renewable Energy Resources	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
B. Tech	42.	U18MH402: Professional English	U14MH309: Compliance with current English	-
(IV sem)	43.	U18EC403: Electro Magnetic Waves and Transmission Lines	U14EC306: Electro Magnetic Waves and Transmission Lines	-
,	44.	U18EC404: Analog Circuits - II	U14EC304: Electronic Circuits	-
	45.	U18EC405: Pulse and Digital Circuits	U14EC402: Pulse and Digital Circuits	-
	46.	U18EC406: Probability and Random Processes	U14EC403: Probability and Random Processes	-
	47.	U18EC407: Digital Design	U14EC404: Digital Design	-
	48.	U18MH415: Essence of Indian Traditional Knowledge	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
	49.	U18EC408: Analog Circuits - II Laboratory	U14EC308: Electronics Devices and Circuits Laboratory	-
	50.	U18EC409: Pulse and Digital Circuits Laboratory	U14EC406: Pulse and Digital Circuits Laboratory	-
	51.	U18CH416: Environmental Studies	U14CH209: Environmental Studies	-

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	52.	U18MH501: Universal Human Values -	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the
		**		department concerned, if the course is offered
		U18EC502A: Artificial Intelligence and	No equivalent course	The candidate has to do an equivalent
	53.	Machine Learning with Python	140 equiencin course	MOOC course / attend parallel classes by the
		Widefinite Learning with Lython		department concerned, if the course is offered
			No equivalent course	The candidate has to do an equivalent
	54.	U18EC502B: Pervasive Computing	Tho equioment course	MOOC course / attend parallel classes by the
				department concerned, if the course is offered
		U18EC502C: Electronic Measurements	No equivalent course	The candidate has to do an equivalent
	55.	and Instrumentation	Tho equivalent course	MOOC course / attend parallel classes by the
		and instrumentation		department concerned, if the course is offered
			No actional and actions	The candidate has to do an equivalent
	56.	U18EC502M: MOOC Course	No equivalent course	MOOC course / attend parallel classes by the
		'		department concerned, if the course is offered
			27 ' 1 '	The candidate has to do an equivalent
B. Tech	57.	U18EC503: Communication Systems	No equivalent course	MOOC course / attend parallel classes by the
(V sem)		<b>,</b>		department concerned, if the course is offered
	58.	U18EC504: Antennas and Wave	U14EC501: Antennas and Wave	
		Propagation	Propagation	-
		U18EC505: Linear Integrated Circuits	1 0	
	59.	and Applications	U14EC405: Linear Integrated Circuits	-
		U18EC506: Microprocessors and	U14EC504: Microprocessors and	
	60.	Microcontrollers	Microcontrollers	-
		THE CONTROL OF THE CO	THE TOTAL THE TO	The candidate has to attend Parallel lab classes
				on U18EC507: Communication Systems
	61.	U18EC507: Communication Systems	No equivalent course	Laboratory during regular semester/inter-
	01.	Laboratory		semester break/ summer break, as decided by
				the department concerned
			U14EC408: Linear Integrated Circuits	The state of the s
	62.	U18EC508: IC Applications Laboratory	Laboratory	-
		U18EC509: Microprocessors and	U14EC508: Microprocessors and	
	63.	Microcontrollers Laboratory	Microcontrollers Laboratory	-
	64.	U18EC510: Seminar	U14EC509: Seminar	_
	U 2.			

Re-admission into VI SEMESTER under URR-18
THE LIST OF EQUIVALENT COURSES ENDS HERE

## E. For URR-14 Students <u>re-admitted into VII SEMESTER</u> under URR-18

			NT COURSES under URR-18 SCHEME RONICS AND COMMUNICATION E	
Seme- ster	S. No.	COURSES under URR-18 scheme	EQUIVALENT Courses in URR-14 scheme	Remarks
	1.	U18MH101 Engineering Mathematics – I	U14MH101:Engineering Mathematics-I	-
	2.	U18CS102:Programming for Problem Solving using C	U14CS102:Programming in C	-
	3.	U18CH103:Engineering Chemistry	U14CH103:Engineering Chemistry	-
	4.	U18ME104: Engineering Drawing	U14ME104: Engineering Graphics	-
	5.	U18CE105: Engineering Mechanics	U14CE106:Basic Engineering Mechanics	-
B. Tech (I	6.	U18CS107:Programming for Problem Solving using C Laboratory	U14CS107:Programming in "C" Laboratory	-
sem)	7.	U18CH108:Engineering Chemistry Laboratory	U14CH108:Engineering Chemistry Laboratory	-
	8.	U18CH109: Environmental Studies	U14CH109: Environmental Studies	-
	9.	U18EA110:EAA: Sports / Yoga / NSS	U14EA110:EAA: Physical Education & NSS	-
	10.	U18EA111: Universal Human Values-I (Induction Program)	No equivalent course	The candidate has to do an equivalent MOOC on U18EA111: Universal Human Values-I / attend parallel classes by the department concerned, if the course is offered
	11.	U18MH201:Engineering Mathematics – II	U14MH201:Engineering Mathematics-II	
B. Tech	12.	U18CS202:Data Structures Through C	No equivalent course	The candidate has to do an equivalent MOOC on U18CS202:Data Structures through C / attend parallel classes by the department concerned, if the course is offered
(II sem)	13.	U18PH203:Engineering Physics	U14PH203:Engineering Physics	-
	14.	U18MH204: English for Communication	U14MH204: English for Communication	-
	15.	U18EE205: Basic Electrical Engineering	U14EE105: Basic Electrical Engineering	-

	16.	U18EE206: Basic Electrical Engineering Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS206:Basic Electrical Engineering Laboratory during regular semester/intersemester break/ summer break, as decided by the department concerned
	17.	U18CS207:Data Structures Through C Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS207:Data Structures Through C Laboratory during regular semester/intersemester break/ summer break, as decided by the department concerned
	18.	U18PH208:Engineering Physics Laboratory	U14PH208:Engineering Physics Laboratory	-
	19.	U18ME209:Workshop Practice	U18ME209: Engineering Workshop Practice	-
	20.	U18EA210:EAA: Sports / Yoga / NSS	U14EA210:EAA: Physical Education & NSS	-
	21.	U18MH301:Engineering Mathematics-III	U14MH301:Engineering Mathematics - III	-
	22.	U18TP302: Soft and Interpersonal Skills	No equivalent course	The candidate has to do an equivalent MOOC on U18TP302: Soft and Interpersonal Skills / attend parallel classes by the department concerned, if the course is offered
	23.	U18OE303A: Object Oriented	U14CS202: Object Oriented	-
	24.	Programming U18OE303B: Fluid Mechanics & Hydraulic Machines	Programming  No equivalent course	The candidate has to do an equivalent MOOC on U180E303B: Fluid Mechanics & Hydraulic Machines / attend parallel classes by the department concerned, if the course is offered
B. Tech (III sem)	25.	U18OE303C: Fundamentals of Mechatronics	No equivalent course	The candidate has to do an equivalent MOOC on U180E303C: Fundamentals of Mechatronics / attend parallel classes by the department concerned, if the course is offered
	26.	U18OE303D: Web Programming	No equivalent course	The candidate has to do an equivalent MOOC on U180E303D: Web Programming / attend parallel classes by the department concerned, if the course is offered
	27.	U18OE303F: Strength of Materials	No equivalent course	The candidate has to do an equivalent MOOC on U180E303F: Strength of Materials / attend parallel classes by the department concerned, if the course is offered
	28.	U18EC304: Signals & Systems	U14EC304: Signals & Systems	-
	29.	U18EC305: Analog Circuits - I	U14EI205: Basic Electronics Engineering	-

	30.	U18EC306: Switching Theory & Logic Design	U14EC302: Switching Theory & Logic Design	-
	31.	U18EE312: Network Analysis	U14EE310: Network Analysis and Synthesis	-
	32.	U18EC308: Analog Circuits - I Laboratory	U14EC308: Electronics Devices and Circuits Laboratory	-
	33.	U18OE311A: Object Oriented Programming Lab	U14CS207: Object Oriented Programming Lab	-
	34.	U18OE311B: Fluid Mechanics and Hydraulic Machines Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	35.	U18OE311C: Mechatronics Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	36.	U18OE311D: Web Programming Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	37.	U18OE311F: Strength of Materials Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned
	38.	U18OE401A:Applicable Mathematics	U14MH401:Engineering Mathematics - IV	-
	39.	U18OE401C: Elements of Mech. Engg.	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	40.	U18OE401E: Computers Networks	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
B. Tech	41.	U18OE401F: Renewable Energy Resources	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
(IV sem)	42.	U18MH402: Professional English	U14MH309: Compliance with current English	-
	43.	U18EC403: Electro Magnetic Waves and Transmission Lines	U14EC306: Electro Magnetic Waves and Transmission Lines	-
	44.	U18EC404: Analog Circuits - II	U14EC304: Electronic Circuits	-
	45.	U18EC405: Pulse and Digital Circuits	U14EC402: Pulse and Digital Circuits	-
	46.	U18EC406: Probability and Random Processes	U14EC403: Probability and Random Processes	-
	47.	U18EC407: Digital Design	U14EC404: Digital Design	-
	48.	U18MH415: Essence of Indian	No equivalent course	The candidate has to do an equivalent MOOC

		Traditional Knowledge		course / attend parallel classes by the department concerned, if the course is offered
	49.	U18EC408: Analog Circuits - II Laboratory	U14EC308: Electronics Devices and Circuits Laboratory	-
	50.	U18EC409: Pulse and Digital Circuits Laboratory	U14EC406: Pulse and Digital Circuits Laboratory	-
	51.	U18CH416: Environmental Studies	U14CH209: Environmental Studies	-
	52.	U18MH501: Universal Human Values - II	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	53.	U18EC502A: Artificial Intelligence and Machine Learning with Python	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	54.	U18EC502B: Pervasive Computing	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	55.	U18EC502C: Electronic Measurements and Instrumentation	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	56.	U18EC502M: MOOC Course	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
B. Tech (V sem)	57.	U18EC503: Communication Systems	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	58.	U18EC504: Antennas and Wave Propagation	U14EC501: Antennas and Wave Propagation	-
	59.	U18EC505: Linear Integrated Circuits and Applications	U14EC405: Linear Integrated Circuits	-
	60.	U18EC506: Microprocessors and	U14EC504: Microprocessors and	_
		Microcontrollers	Microcontrollers	
	61.	U18EC507: Communication Systems Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18EC507: Communication Systems Laboratory during regular semester/inter-semester break/summer break, as decided by the department concerned
	62.	U18EC508: IC Applications Laboratory	U14EC408: Linear Integrated Circuits Laboratory	-
	63.	U18EC509: Microprocessors and Microcontrollers Laboratory	U14EC508: Microprocessors and Microcontrollers Laboratory	-
	64.	U18EC510: Seminar	U14EC509: Seminar	-
B. Tech	65.	U18TP601: Quantitative Aptitude and	No equivalent course	The candidate has to do an equivalent MOOC

(VI sem)		Logical Reasoning		course / attend parallel classes by the department concerned, if the course is offered
	66.	U18MH602: Management Economics and Accountancy	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	67.	U18EC603A: Industrial Internet of Things	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	68.	U18EC603B: Wireless Sensor Networks	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	69.	U18EC603C: Biomedical Instrumentation	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	70.	U18EC603M: MOOC Course	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	71.	U18EC604: Digital Signal Processing and Applications	U14EC502: Digital Signal Processing	-
	72.	U18EC605: VLSI Circuits and Systems	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	73.	U18EE611: Control Systems	U14EE610: Linear Control Systems	
	74.	U18EC606: Embedded Systems with ARM Processor and Applications	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	75.	U18EC607: Embedded Systems and Applications Laboratory	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	76.	U18EC608: Digital Signal Processing Laboratory	U14EC506: Digital Signal Processing Laboratory	-
	77.	U18EC610:Mini Project	U14EC609:Mini Project	-

Re-admission into VII SEMESTER under URR-18
THE LIST OF EQUIVALENT COURSES ENDS HERE

## F. For URR-14 Students <u>readmitted into VIII SEMESTER</u> under URR-18

		The state of the s	IT COURSES under URR-18 SCHEME RONICS AND COMMUNICATION ENGIN	JEERING
	1	Trogramme. D. Teen EEE Cr		VEETIL TO
Seme- ster	S. No.	COURSES under URR-18 scheme	EQUIVALENT Courses in URR-14 scheme	Remarks
	1.	U18MH101 Engineering Mathematics – I	U14MH101:Engineering Mathematics-I	-
	2.	U18CS102:Programming for Problem Solving using C	U14CS102:Programming in C	-
	3.	U18CH103:Engineering Chemistry	U14CH103:Engineering Chemistry	-
	4.	U18ME104: Engineering Drawing	U14ME104: Engineering Graphics	-
	5.	U18CE105: Engineering Mechanics	U14CE106:Basic Engineering Mechanics	-
B. Tech	6.	U18CS107:Programming for Problem Solving using C Laboratory	U14CS107:Programming in "C" Laboratory	-
(I sem)	7.	U18CH108:Engineering Chemistry Laboratory	U14CH108:Engineering Chemistry Laboratory	-
	8.	U18CH109: Environmental Studies	U14CH109: Environmental Studies	-
	9.	U18EA110:EAA: Sports / Yoga / NSS	U14EA110:EAA: Physical Education & NSS	-
	10.	U18EA111: Universal Human Values-I (Induction Program)	No equivalent course	The candidate has to do an equivalent MOOC on U18EA111: Universal Human Values-I / attend parallel classes by the department concerned, if the course is offered
	11.	U18MH201:Engineering Mathematics – II	U14MH201:Engineering Mathematics-II	-
B. Tech	12.	U18CS202:Data Structures Through C	No equivalent course	The candidate has to do an equivalent MOOC on U18CS202:Data Structures through C / attend parallel classes by the department concerned, if the course is offered
(II sem)	13.	U18PH203:Engineering Physics	U14PH203:Engineering Physics	-
, ,	14.	U18MH204: English for Communication	U14MH204: English for Communication	-
	15.	U18EE205: Basic Electrical Engineering	U14EE105: Basic Electrical Engineering	-
	16.	U18EE206: Basic Electrical Engineering Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS206:Basic Electrical Engineering Laboratory during regular semester/inter-semester break/ summer

				break, as decided by the department concerned
	17.	U18CS207:Data Structures Through C Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18CS207:Data Structures Through C Laboratory during regular semester/inter-semester break/ summer break, as decided by the department concerned
	18.	U18PH208:Engineering Physics Laboratory	U14PH208:Engineering Physics Laboratory	-
	19.	U18ME209:Workshop Practice	U18ME209: Engineering Workshop Practice	-
	20.	U18EA210:EAA: Sports / Yoga / NSS	U14EA210:EAA: Physical Education & NSS	-
	21.	U18MH301:Engineering Mathematics-III	U14MH301:Engineering Mathematics - III	-
	22.	U18TP302: Soft and Interpersonal Skills	No equivalent course	The candidate has to do an equivalent MOOC on U18TP302: Soft and Interpersonal Skills / attend parallel classes by the department concerned, if the course is offered
	23.	U18OE303A: Object Oriented Programming	U14CS202: Object Oriented Programming	-
B. Tech	24.	U18OE303B: Fluid Mechanics & Hydraulic Machines	No equivalent course	The candidate has to do an equivalent MOOC on U180E303B: Fluid Mechanics & Hydraulic Machines / attend parallel classes by the department concerned, if the course is offered
(III sem)	25.	U18OE303C: Fundamentals of Mechatronics	No equivalent course	The candidate has to do an equivalent MOOC on U180E303C: Fundamentals of Mechatronics / attend parallel classes by the department concerned, if the course is offered
	26.	U18OE303D: Web Programming	No equivalent course	The candidate has to do an equivalent MOOC on U180E303D: Web Programming / attend parallel classes by the department concerned, if the course is offered
	27.	U18OE303F: Strength of Materials	No equivalent course	The candidate has to do an equivalent MOOC on U180E303F: Strength of Materials / attend parallel classes by the department concerned, if the course is offered
	28.	U18EC304: Signals & Systems	U14EC304: Signals & Systems	1

	29.	U18EC305: Analog Circuits - I	U14EI205: Basic Electronics Engineering	-
		U18EC306: Switching Theory & Logic	U14EC302: Switching Theory & Logic	
	30.	Design	Design	-
	21		U14EE310: Network Analysis and	
	31.	U18EE312: Network Analysis	Synthesis	-
	22	U18EC308: Analog Circuits - I	U14EC308: Electronics Devices and	
	32.	Laboratory	Circuits Laboratory	-
	33.	U18OE311A: Object Oriented	U14CS207: Object Oriented	
	33.	Programming Lab	Programming Lab	-
		U18OE311B: Fluid Mechanics and		The candidate has to do an equivalent
	34.	Hydraulic Machines Lab	No equivalent course	MOOC course / attend parallel classes by
		11) Gradine Machines 200		the department concerned
	35.	U18OE311C: Mechatronics Lab	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by
	33.	0180E311C. Wechatronics Lab	ivo equivaleni course	the department concerned
				The candidate has to do an equivalent
	36.	U18OE311D: Web Programming Lab	No equivalent course	MOOC course / attend parallel classes by
			•	the department concerned
				The candidate has to do an equivalent
	37.	U18OE311F: Strength of Materials Lab	No equivalent course	MOOC course / attend parallel classes by
			774 7774 77 1 1 1 1 1 1 1	the department concerned
	38.	U18OE401A:Applicable Mathematics	U14MH401:Engineering Mathematics -	-
		11	IV	The and data has to do an environment
	39.	U18OE401C: Elements of Mech. Engg.	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by
			140 equient course	the department concerned, if the course is
				offered
	40	U18OE401E: Computers Networks		The candidate has to do an equivalent
			No equivalent course	MOOC course / attend parallel classes by
	40.		,	the department concerned, if the course is
B. Tech				offered
(IV				The candidate has to do an equivalent
sem)	41.	U18OE401F: Renewable Energy	No equivalent course	MOOC course / attend parallel classes by
	11.	Resources		the department concerned, if the course is
			THE DESIGNATION OF THE PARTY OF	offered
	42.	U18MH402: Professional English	U14MH309: Compliance with current	-
	ļ	O O	English	
	43.	U18EC403: Electro Magnetic Waves and	U14EC306: Electro Magnetic Waves and	-
	11	Transmission Lines	Transmission Lines	
	44. 45.	U18EC404: Analog Circuits - II	U14EC304: Electronic Circuits	-
	43.	U18EC405: Pulse and Digital Circuits	U14EC402: Pulse and Digital Circuits	-
	46.	U18EC406: Probability and Random	U14EC403: Probability and Random Processes	-
	l .	Processes	1 10Cesses	

	47.	U18EC407: Digital Design	U14EC404: Digital Design	-
	48.	U18MH415: Essence of Indian Traditional Knowledge	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	49.	U18EC408: Analog Circuits - II Laboratory	U14EC308: Electronics Devices and Circuits Laboratory	-
	50.	U18EC409: Pulse and Digital Circuits Laboratory	U14EC406: Pulse and Digital Circuits Laboratory	-
	51.	U18CH416: Environmental Studies	U14CH209: Environmental Studies	-
	52.	U18MH501: Universal Human Values - II	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	53.	U18EC502A: Artificial Intelligence and Machine Learning with Python	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
	54.	U18EC502B: Pervasive Computing	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
B. Tech	55.	U18EC502C: Electronic Measurements and Instrumentation	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
(V sem)	56.	U18EC502M: MOOC Course	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	57.	U18EC503: Communication Systems	No equivalent course	The candidate has to do an equivalent  MOOC course / attend parallel classes by the department concerned, if the course is offered
	58.	U18EC504: Antennas and Wave Propagation	U14EC501: Antennas and Wave Propagation	-
	59.	U18EC505: Linear Integrated Circuits and Applications	U14EC405: Linear Integrated Circuits	-
	60.	U18EC506: Microprocessors and Microcontrollers	U14EC504: Microprocessors and Microcontrollers	-
	61.	U18EC507: Communication Systems Laboratory	No equivalent course	The candidate has to attend Parallel lab classes on U18EC507: Communication

				Systems Laboratory during regular semester/inter-semester break/ summer break, as decided by the department concerned
	62.	U18EC508: IC Applications Laboratory	U14EC408: Linear Integrated Circuits Laboratory	-
	63.	U18EC509: Microprocessors and Microcontrollers Laboratory	U14EC508: Microprocessors and Microcontrollers Laboratory	-
	64.	U18EC510: Seminar	U14EC509: Seminar	-
	65.	U18TP601: Quantitative Aptitude and Logical Reasoning	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	66.	U18MH602: Management Economics and Accountancy	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	67.	U18EC603A: Industrial Internet of Things	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
B. Tech	68.	U18EC603B: Wireless Sensor Networks	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
(VI sem)	69.	U18EC603C: Biomedical Instrumentation	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	70.	U18EC603M: MOOC Course	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	71.	U18EC604: Digital Signal Processing and Applications	U14EC502: Digital Signal Processing	-
	72.	U18EC605: VLSI Circuits and Systems	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	73.	U18EE611: Control Systems	U14EE610: Linear Control Systems	-
	74.	U18EC606: Embedded Systems with ARM Processor and Applications	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by

				the department concerned, if the course is offered
	75.	U18EC607: Embedded Systems and Applications Laboratory	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	76.	U18EC608: Digital Signal Processing Laboratory	U14EC506: Digital Signal Processing Laboratory	-
	77.	U18EC610:Mini Project	U14EC609:Mini Project	-
	78.	U18OE701A: Disaster Management	U14OE601A: Disaster Management	-
	79.	U18OE701B: Project Management	U14OE601B: Project Management	-
	0.0	U18OE701C: Professional Ethics in	U14OE601C: Professional Ethics in	
	80.	Engineering	Engineering	-
	0.1	U18OE701D: Rural Technology and	U14OE601D: Rural Technology and	
	81.	Community Development	Community Development	-
	82.	U18EC702A: Data Science and Applications	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	83.	U18EC702B: Embedded Systems with RTOS and Applications	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
B. Tech (VII sem)	84.	U18EC702C: Microwave and Optical Fiber Communication	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	85.	U18EC702M: MOOC course	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	86.	U18EC703A: Electronic System Design and Manufacturing	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	87.	U18EC703B: VLSI Physical Design	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
	88.	U18EC703C: Digital Image Processing	U14EC606A: Digital Image Processing	-
	89.	U18EC703M: MOOC course	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by

			the department concerned, if the course is offered
90.	U18EC704: Wireless Communication and Networks	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
91.	U18EC705: Wireless Communication and Applications Lab	No equivalent course	The candidate has to do an equivalent MOOC course / attend parallel classes by the department concerned, if the course is offered
92.	U18EC706: VLSI Lab	U14EC706: ECAD Laboratory	-
93.	U18EC707: Major Project Phase - I	U14EC711: Major Project Phase – I	-
94.	U18EC708: Internship Evaluation	No equivalent course	The candidate has to attend Parallel lab classes on U18EC708: Internship Evaluation during regular semester/intersemester break/ summer break, as decided by the department concerned

Re-admission into VIII SEMESTER under URR-18
THE LIST OF EQUIVALENT COURSES ENDS HERE

For the courses prescribed in the previous semesters (other than the semester in which the student took re-admission) of URR-18 scheme, where the student had no provision for such courses under URR-14 scheme, the student has to earn credits on SWAYAM-NPTEL MOOCs on his own. However, based on the request from re-admitted students, the dept. will also run parallel classes for such courses.

These equivalent courses are approved by the internal members of the BoS in ELECTRONICS AND COMMUNICATION ENGINEERING and subsequently will be placed for due approval by external BoS members in the next scheduled meeting of BoS in ELECTRONICS AND COMMUNICATION ENGINEERING.

S. No.	Name & Designation of Internal BoS member	Signature of BoS member
1.	Dr. B. Rama Devi	Sd/-
	<i>Prof.</i> & Head, Dept. of ECE,	
	KITS, Warangal	
2.	Dr. K. Ashoka Reddy	Sd/-
	Prof. of ECE, KITS, Warangal	
3.	Dr. G.Raghotham Reddy	Sd/-
	Prof. of ECE, KITS, Warangal	
4.	Smt. S.P.Girija	Sd/-
	Assoc. Prof. of ECE, KITS, Warangal	
5.	Sri E.Suresh	Sd/-
	Assoc. Prof. of ECE, KITS, Warangal	
6.	Smt. A.Vijaya	Sd/-
	Assoc. Prof. of ECE, KITS, Warangal	
7.	Dr.M.Raju	Sd/-
	Assoc. Prof. of ECE, KITS, Warangal	
8.	Dr.V.Venkateshwar Reddy	Sd/-
	Assoc. Prof. of ECE, KITS, Warangal	

Sd/-Head, Dept. of ECE

### Submitted to the Principal

## $Copy\ to$

- 1) The Dean, Academic Affairs
- 2) The faculty-in-charge Web Team, with a request to post in department webpages