TKR College of Engineering & Technology(Autonomous)
Department of Civil Engineering

Equivalent subject list for R 18 Regulation during the Academic Year 2020-21

SNo.	Name of the course in SWAYAM Portal	Name of the course offered in R-18	Semester
1.	Strength of Materials	Strength of Materials - I (B13PC3)	III
		Strength of Materials - II (B14PC2)	IV
2.	Structural Analysis - I	Structural Analysis - I (B14PC4)	IV
3.	Soil Mechanics/ Geotechnical Engineering - I	Soil Mechanics (B14PC5)	IV
4.	Design of Reinforced Concrete Structures	Design of Reinforced Cement Concrete Structures (B15PC2)	V
5.	Foundation Engineering	Foundation Engineering (B16PC2)	VI
6.	Design of Steel Structures	Design of Steel Structures (B16PC3)	VI

TKR College of Engineering & Technology (Autonomous)
Department of Electrical & Electronics Engineering

Equivalent subject list for R 18 Regulation during the Academic Year 2020-21

S.No.	Name of the course in Swayam in Portal	Name of the course offered in R-18	Semester
1	Fundamentals of Electrical Engineering	Basic Electrical Engineering	I
2.	Analog Electronic circuit	Electronic Circuits	III
3.	Basic Electrical Circuits	Electrical Circuit Analysis	III
4.	Electrical Machines -1	Electrical Machines-I	III
5.	Control engineering	Control Systems	IV
6.	Digital circuits	Digital Logic Design	IV
7.	Power Electronics	Power Electronics	V
8.	Power System Analysis	Power System Analysis	VI
9	Power System Protection	Power System Protection	VII
10.	Applied Electromagnetics for engineers	Electromagnetic Waves	VIII

TKR College of Engineering & Technology (Autonomous)
Department of Mechanical Engineering

Equivalent subject list for R 18 Regulation during the Academic Year 2020-21

S.No.	Name of the course in Swayam in Portal	Name of the course offered in R-18	Semester
1	Engineering Mechanics	Engineering Mechanics	II
2	Basics of Materials Engineering	Metallurgy And Material Science	III
3	Concept of thermodynamics	Thermodynamics	III
4	Advance Fluid Mechanics	Fluid Mechanics and Hydraulic Machines	IV
5	Fundamentals of manufacturing process	Manufacturing Process	IV
6	Engineering Metrology	Engineering Metrology	V
7	Finite Element Method: Variational-methods to computer programming	Finite Element Methods	V
8	Fundamentals of conduction and radiation	Heat Transfer	VI
9	Introduction to composites	Composite Materials	VIII

TKR College of Engineering & Technology (Autonomous)
Department of Electronics and Communication Engineering

Equivalent subject list for R 18 Regulation during the Academic Year 2020-21

S.No.	Name of the course in Swayam in Portal	Name of the course offered in R-18	Semester
1	Analog Electronic circuit	Analog Electronic Circuit Analysis	III
2	Analog Communication	Analog Communications	IV
3	Applied Electromagnetics for engineers	Electromagnetic Theory And Transmission Lines	V
4	Basic Electrical Circuits	Basic Electrical Engineering	II
5	Control Systems	Control Systems	IV
6	Digital circuits	Digital Logic Design	III
7	Fundamentals of Electrical Engineering	Basic Electrical Engineering	II
8	Semiconductor Devices and circuits	Electronics Devices and Circuits	I

TKR College of Engineering & Technology (Autonomous)
Department of Computer Science and Engineering

Equivalent subject list for R 18 Regulation during the Academic Year 2020-21

S.No.	Name of the course in Swayam in Portal	Name of the course offered in R-18	Semester
1	Problem solving through Programming in C	Computer Programming Using C	I
2	Data Structure and algorithms using Java	Data Structures	III
3	Programming in Java	Object oriented programming	III
4	Switching circuits and logic design	Digital Logic Design	III
5	Computer architecture and organization	Computer Organization	IV
6	Discrete Mathematics	Discrete Mathematics	IV
7	The Joy of computing using Python.	Python Programming	IV
8	Software Engineering	Software Engineering	IV
9	Introduction to algorithms and analysis	Design and Analysis of Algorithms	V
10	Object Oriented System development using UML, Java and patterns	Object Oriented Analysis and Design	V
11	Introduction to internet of things	Internet of Things	VII
12	Introduction to machine learning	Machine Learning	VII

TKR College of Engineering & Technology (Autonomus)

Department of Information Technology

Equivalent subject list for R18 Regulation during the Academic Year 2020-21

S.No.	Name of the course in Swayam in Portal	Name of the course offered in R-18	Semester
1	Problem solving through Programming in C	Computer Programming Using C	I
2	Data Structure and algorithm using Java	Data Structures	III
3	Switching circuits and logic design	Digital Logic Design	III
4	Programming in Java	Object Oriented Programming	III
5	Discrete Mathematics	Discrete Mathematics	IV
6	Computer Architecture and organization	Computer Organization	IV
7	Software Engineering	Software Engineering	IV
8	Introduction to algorithms and analysis	Design and Analysis of Algorithms	V
9	Linux Operating System	Linux Programming	V
10	Object Oriented System development usingUML, Java and Patterns	Object Oriented Analysis & Design	VI
11	Software Testing	Software Testing Methodologies	VI

12	The Joy of computing using Python	Python Programming	VII
13	Introduction of internet of things	Internet of Things	VII
14	Artificial Intelligence search methods for problem solving	Artificial Intelligence	VII
15	Social Networks	Semantic Web& Social Networks	VIII