

**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE
AUTONOMOUS
VIJAYAWADA – 520 007**

Date: 20/10/2022

VR14 TO VR17 EQUIVALENT SUBJECTS (w.e.f. 2022-23)

B.Tech students of VR14 Regulation who have still backlog subjects are hereby informed that as per the Guidelines approved in the Academic Council Meeting held on 20/10/2022, the Semester-end Supplementary Examinations for B.Tech VR14 Regulation will now onwards be conducted as per B.Tech VR17 Curriculum from the Academic year 2022-23. They are further informed to refer to the equivalent subjects in B.Tech VR17 Curriculum and register for the same in the Semester-end Supplementary Examinations. This is applicable to all students pursuing their B.Tech course under VR14 regulation (2015 & 2016 admitted Regular batches and 2017 admitted Lateral Entry batch students) having backlog subjects

A copy of the equivalent subjects & syllabus of VR17 Regulation of all disciplines is available in the concerned Departments, Exam Section and also in College web-site.


PRINCIPAL

To
All Notice Board's & College Web-site

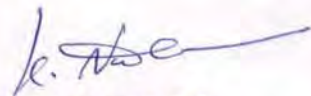
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ALL BRANCHES (FIRST-YEAR)

Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

I-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1101	LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS	17MA1101	Matrices & Differential Calculus
2)	14CH1102	ENGINEERING CHEMISTRY	17CH1102	Engineering Chemistry
3)	14PH1102	ENGINEERING PHYSICS	17PH1102B	Applied Physics
4)	14CS1103	INTRODUCTION TO COMPUTING	--	--
5)	14CE1104	BASICS OF CIVIL ENGINEERING	--	--
6)	14HS1104	TECHNICAL ENGLISH AND COMMUNICATION SKILLS	17HS1105 / 17HS1205	Technical English & Communication Skills
7)	14EE1105	BASICS OF ELECTRICAL ENGINEERING	17EE1104	Basics of Electrical Engineering
8)	14HS1105	PROFESSIONAL ETHICS	--	--
9)	14ME1106	BASICS OF MECHANICAL ENGINEERING	--	--
10)	14ME1107	MECHANICS FOR ENGINEERS/ ENGINEERING GRAPHICS	17ME1104B / 17ME1105	Mechanics for Engineers / Engineering Graphics
11)	14CH1151	ENGINEERING CHEMISTRY LAB	17CH1151	Engineering Chemistry Lab
12)	14PH1151	ENGINEERING PHYSICS LAB	17PH1151	Engineering Physics Lab
13)	14CS1152	BASIC COMPUTING LAB	17CS1152	Computing & Peripherals Lab
14)	14ME1153	WORKSHOP PRACTICE	17ME1153	Basic Workshop


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ALL BRANCHES (FIRST-YEAR)

Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

II-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1201	CALCULUS	17MA1201	Laplace Transforms & Integral Calculus
2)	14CH1202	ENGINEERING CHEMISTRY	17CH1202A	Engineering Chemistry
3)	14PH1202	ENGINEERING PHYSICS	17PH1202B	Applied Physics
4)	14CS1203	PROGRAMMING IN C	17CS1203	Programming in C
5)	14CE1204	BASICS OF CIVIL ENGINEERING	--	--
6)	14HS1204	TECHNICAL ENGLISH AND COMMUNICATION SKILLS	17HS1205	Technical English and Communication Skills
7)	14EE1205	BASICS OF ELECTRICAL ENGINEERING	--	--
8)	14HS1205	PROFESSIONAL ETHICS	--	--
9)	14ME1205	ADVANCED MECHANICS FOR ENGINEERS	17ME1204	Engineering Mechanics - II
10)	14EC1206	BASICS OF ELECTRONICS ENGINEERING	17EC1204A	Basic Electronic Engineering
11)	14ME1207	MECHANICS FOR ENGINEERS/ ENGINEERING GRAPHICS	-- 17ME1205	-- Engineering Graphics
12)	14CH1251	ENGINEERING CHEMISTRY LAB	17CH1251	Engineering Chemistry Laboratory
13)	14PH1251	ENGINEERING PHYSICS LAB	17PH1251	Engineering Physics Lab
14)	14CS1252	C PROGRAMMING LAB	17CS1252	Computer Programming Laboratory
15)	14ME1253	WORKSHOP PRACTICE	17ME1253	Basic Workshop

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CIVIL ENGINEERING

Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

III-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1301	COMPLEX ANALYSIS AND NUMERICAL METHODS	17MA1301	Complex Analysis and Numerical Methods
2)	14CE3302	MECHANICS OF MATERIALS	17CE3302	Introduction to Mechanics of Solids
3)	14CE3303	ENGINEERING GEOLOGY	17CE3305	Engineering Geology
4)	14CE3304	CONCRETE TECHNOLOGY	----	----
5)	14EC1305	BASICS OF ELECTRONICS ENGG.	----	----
6)	14CE3306	FLUID MECHANICS	17CE3303	Fluid Mechanics
7)	14CE3351	ENGINEERING GEOLOGY LAB	17CE3353	Engineering Geology Laboratory
8)	14CE3352	CONCRETE LAB	-----	-----
9)	14HS1353	COMMUNICATIONS SKILLS LAB	17HS1453	Communication Skills Laboratory

IV-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CE3401	SURVEYING	17CE3304	Surveying&Geomatics
2)	14CE3402	ADVANCED MECHANICS OF MATERIALS	17CE3403	Mechanics of Materials
3)	14CE3403	BUILDING MATERIALS AND BUILDING CONSTRUCTION	17CE3401	Building materials and construction
4)	14HS1404	ENVIRONMENTAL STUDIES	----	----
5)	14EE1405	BASICS OF ELECTRICAL ENGINEERING	----	----
6)	14CE3406	HYDRAULICS AND HYDRAULIC MACHINES	17CE3404	Hydraulics and Hydraulics machines
7)	14CE3451	FLUID MECHANICS AND HYDRAULIC MACHINES LAB	17CE3451	Fluid Mechanics and Hydraulic Machines Lab
8)	14CE3452	SURVEY LAB	17CE3351	Surveying Laboratory
9)	14CE3453	STRENGTH OF MATERIALS LAB	17CE3352	SM Laboratory

V-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CE3501	STRUCTURAL ANALYSIS-I	17CE3503	Structural Analysis
2)	14CE3502	WATER RESOURCES ENGINEERING-I	17CE3501	Water Resources Engineering
3)	14CE3503	DESIGN OF CONCRETE STRUCTURES -I	17CE3509	Design of Concrete Structures
4)	14CE3504	ENVIRONMENTAL ENGINEERING-I	-----	-----
5)	14ME2505C	MANUFACTURING PROCESSES	17ME3304	Manufacturing processes
6)	14ME2505A	ROBOTICS AND AUTOMATION	17ME2504A	Robotics
7)	14CS2505-3	JAVA PROGRAMMING	17CS2605	Fundamentals of Java Programming
8)	14ME2505B	AUTOMOBILE ENGINEERING	17ME2802A	Automobile Engineering,
9)	14EE2505-3	RENEWABLE ENERGY SYSTEMS	17EE2505B	Renewable Energy Systems
10)	14CE5506S-2	MODERN CONSTRUCTION MATERIALS		
11)	14ME2505F	RAPID PROTOTYPING	17ME2605 B	Additive manufacturing
12)	14EE2505-4	SOLAR PHOTOVOLTAICS	17EE4801	Solar photovoltaics
13)	14IT2505A	DATA STRUCTURES	17IT3303	Data structures
14)	14CE5506S-1	ADVANCED GEOMATICS		
15)	14CE5506S-3	DIGITAL LAND SURVEYING AND MAPPING		
16)	14IT2505E	INTERNET OF THINGS	17IT4604	Internet of Things
17)	14EI2505-5	INSTRUMENTATION ENGINEERING	17EI2505/A	Instrumentation engineering
18)	14CE5506S-4	HOUSING POLICY AND PLANNING	---	---
19)	14CE3507	GEOTECHNICAL ENGINEERING	17CE3508	Geotechnical Engineering
20)	14CE3551	BUILDING PLANNING & DESIGN LAB	17CE3452	Building Planning and Design Lab
21)	14CE3552	GEOTECHNICAL ENGINEERING LAB	----	---

VI-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CE3601	STRUCTURAL ANALYSIS-II	---	----
2)	14CE3602	WATER RESOURCES ENGINEERING- II	----	----
3)	14CE3603	DESIGN OF CONCRETE STRUCTURES-II	----	----
4)	14HS1604	ENGINEERING ECONOMICS AND FINANCE	17HS1604	Engineering Economics and Finance
5)	14CE3605	ENVIRONMENTAL ENGINEERING-II	----	----
6)	14CE3651	COMPUTER APPLICATION IN CIVIL ENGG LAB-I	17CE3651	Computer Applications in Civil Engg Lab-1
7)	14CE3652	ENVIRONMENTAL ENGINEERING LAB	17CE3551	Environmental Engineering Lab
8)	14CE3653	TERM PAPER	---	---

VII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CE3701	TRANSPORTATION ENGINEERING - I	----	----
2)	14CE3702	FOUNDATION ENGINEERING	17CE3608	Foundation Engineering
3)	14CE3703	ESTIMATION, COSTING & VALUATION	17CE3706	Estimation, Costing and Valuation
4)	14CE3704	DESIGN OF STEEL STRUCTURES	17CE3601	Design of Steel Structures
5)	14CE4705-2	PRESTRESSED CONCRETE	17CE4704/A	Design of prestressed concrete
6)	14CE4705-3	ADVANCED ENVIRONMENTAL ENGINEERING	17CE 4603 B	Advanced environmental Engineering
7)	14CE4705-4	ADVANCED GEOTECHNICAL ENGINEERING	---	---
8)	14CE4705-5	BUILDING SERVICES	17CE2605/B	Building services Engineering
9)	14CE4706-1	ADVANCED STRUCTURAL ANALYSIS	17CE4603 A	Advanced structural analysis
10)	14CE4706-2	EARTHQUAKE RESISTANT DESIGN OF STRUCTURES	17CE4801/A	Earthquake resistnat design
11)	14CE4706-4	URBAN TRANSPORTATION PLANNING	17CE4801/E	Urban transport planning
12)	14CE4706-5	ADVANCED SURVEYING	---	---
13)	14CE6753-1	INTERNSHIP	17CE6753	Internship
14)	14CE6753-2	PLANNING LEGISLATION	17CE6753	Industry Offered Course
15)	14CE3751	TRANSPORTATION ENGINEERING LAB	---	----
16)	14CE3752	SURVEY FIELD WORK	17CE3652	Advanced Surveying Lab
17)	14CE5754	MINI PROJECT	17CE5752	Design Project 1

VIII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1	14CE3801	TRANSPORTATION ENGINEERING - II	-----	-----
2	14CE4802-3	SOLID WASTE MANAGEMENT	17CE4702/C	Solid waste management
3	14CE4802-4	GROUND IMPROVEMENT TECHNIQUES	17CE4801/B	Ground improvement techniques
4	14CE4802-5	TRAFFIC ENGINEERING	17CE4704/E	Traffic engineering
5	14CE4803-1	GREEN BUILDINGS AND SUSTAINABILITY	17CE2506/A	Green buildings and sustainability
6	14CE4803-5	ARCHITECTURE AND TOWN PLANNING	17CE4702/E	Town planning and architecture
7	14CE4803-6	CONSTRUCTION PLANNING & MANAGEMENT	17CE3701	Construction Engineering and Management
8	14CE3851	COMPUTER APPLICATIONS IN CIVIL ENGINEERING LAB - II	17CE4751	Computer Applications in Civil Engg Lab-II
9	14CE5852/ 14CE5852T	MAJOR PROJECT	17CE5851	Project work

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COMPUTER SCIENCE ENGINEERING
Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

III-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1301 ✓	COMPLEX ANALYSIS AND NUMERICAL METHODS ✓	-----	-----
2)	14CS3302 ✓	DISCRETE MATHEMATICAL STRUCTURES	17CS3401	DISCRETE MATHEMATICAL STRUCTURES
3)	14CS3303	DATA STRUCTURES	17CS3303	DATA STRUCTURES
4)	14HS1304	ENVIRONMENTAL STUDIES	-----	-----
5)	14CS3305	DATA COMMUNICATIONS	-----	-----
6)	14CS3306	DIGITAL LOGIC DESIGN	17CS3304	DIGITAL LOGIC DESIGN
7)	14CS3351	DIGITAL LOGIC DESIGN LAB	17CS3354	DIGITAL LOGIC DESIGN LABORATORY
8)	14CS3352	DATA STRUCTURES LAB	17CS3352	DATA STRUCTURES LABORATORY
9)	14HS1353	COMMUNICATIONS SKILLS LAB	17HS1353	COMMUNICATION SKILLS LABORATORY

IV-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1401	PROBABILITY AND STATISTICS	17MA1301B	PROBABILITY AND STATISTICS
2)	14CS3402	WEB TECHNOLOGIES	17CS3402	WEB TECHNOLOGIES
3)	14CS3403	ADVANCED DATA STRUCTURES	-----	-----
4)	14CS3404	COMPUTER ORGANIZATION	17CS3404	COMPUTER ORGANIZATION
5)	14CS3405	OBJECT ORIENTED PROGRAMMING USING JAVA	17CS3302	OBJECT ORIENTED PROGRAMMING USING JAVA
6)	14CS3406	COMPUTER NETWORKS	17CS3503	COMPUTER NETWORKS
7)	14CS3451	WEB TECHNOLOGIES LAB	17CS3451	WEB TECHNOLOGIES LABORATORY
8)	14CS3452	JAVA PROGRAMMING LAB	17CS3351	OBJECT ORIENTED PROGRAMMING LABORATORY

V-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CS3501	DATABASE MANAGEMENT SYSTEMS	17CS3501	DATABASE MANAGEMENT SYSTEMS
2)	14CS3502	MICROPROCESSOR AND MICRO CONTROLLERS	-----	-----
3)	14CS3503	OPERATING SYSTEMS	17CS3406	OPERATING SYSTEMS
4)	14CS3504	ADVANCED JAVA PROGRAMMING	-----	-----
5)	14CE2505-5	GREEN BUILDINGS AND SUSTAINABILITY	-----	-----
6)	14CS5506A/ 14CS5506S-A	PROGRAMMING IN PYTHON	-----	-----
7)	14CS5506B	INTRODUCTION TO LINUX	-----	-----
8)	14CS5506C	WEB APPLICATION ARCHITECTURES	-----	-----
9)	14CS5506D	METEOR FRAMEWORK AND MONGO DB	-----	-----
10)	14CS5506E/ 14CS5506S-E	MOOC COURSE /PROG., DATA STRUCTURES & ALGORITHMS USING PYTHON	-----	-----
11)	14CS3551	DATABASE MANAGEMENT SYSTEMS LAB	17CS3551	DATABASE MANAGEMENT SYSTEMS LABORATORY
12)	14CS3552	MICROPROCESSOR LAB	17CS3552	MICRO PROCESSOR LABORATORY
13)	14CS3553	ADVANCED JAVA PROGRAMMING LAB	17CS2553A	ADVANCED PROGRAMMING IN JAVA

VI-SEMESTER


S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CS3601	DESIGN AND ANALYSIS OF ALGORITHMS	17CS3502	DESIGN AND ANALYSIS OF ALGORITHMS
2)	14CS3602	INTERNET OF THINGS	-----	-----
3)	14CS3603	SOFTWARE ENGINEERING	17CS3602	SOFTWARE ENGINEERING
4)	14CS3604	THEORY OF COMPUTATION	17CS3601	THEORY OF COMPUTATION
5)	14CS3605	DATA ANALYTICS	17CS4702A	DATA ANALYTICS
6)	14CS3606	CYBER SECURITY	-----	-----
7)	14CS3651	CASE TOOLS LAB	-----	-----
8)	14CS3652	INTERNET OF THINGS LAB	17CS4652A	INTERNET OF THINGS
9)	14CS3653	DATA ANALYTICS LAB	17CS4751A	DATA ANALYTICS
10)	14CS5654	TERM PAPER	-----	-----

VII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CS3701	COMPILER DESIGN	17CS3701	COMPILER DESIGN
2)	14CS3702	CLOUD COMPUTING	-----	-----
3)	14CS4703-A	MOBILE COMPUTING	17CS4703B	MOBILE COMPUTING
4)	14CS4703-B	INFORMATION RETRIEVAL SYSTEMS	17CS4801C	INFORMATION RETRIEVAL SYSTEMS
5)	14CS4703-C	BIOINFORMATICS	17CS2605B	BIOINFORMATICS
6)	14HS1704	ENGINEERING ECONOMICS AND FINANCE	17HS1705	ENGINEERING ECONOMICS AND FINANCE
7)	14CS4705-A	IMAGE PROCESSING	17CS2605C	IMAGE PROCESSING
8)	14CS4705-C	ARTIFICIAL INTELLIGENCE	17CS2605A	ARTIFICIAL INTELLIGENCE TECHNIQUES, TOOLS AND APPLICATIONS
9)	14CS4705-D	SOFTWARE PROJECT MANAGEMENT	-----	-----
10)	14CS4705E	INFORMATION SECURITY ASSESSMENT AND AUDIT	-----	-----
11)	14CS3751	CLOUD COMPUTING LAB	17CS4651A	CLOUD COMPUTING
12)	14CS5752	MINI PROJECT	17CS5753	MINI PROJECT
13)	14CS6753-1	INTERNSHIP/INDUSTRY OFFERED COURSE	17CS6754-A/B	INTERNSHIP/INDUSTRY OFFERED COURSE
14)	14CS6753-2	HADOOP USING IBM INFOSPHERE BIGINSIGHTS	-----	-----
15)	14CS6753-2A	MONGODB FOR JAVASCRIPT DEVELOPERS	-----	-----
16)	14CS6753-2B	1Z0-808 JAVA SE 8 PROGRAMMER I	-----	-----

VIII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14CS3801	SOFTWARE TESTING AND QUALITY ASSURANCE	-----	-----
2)	14CS4802A	TCP/IP PROTOCOL SUITE	-----	-----
3)	14CS4802B	NATURAL LANGUAGE PROCESSING	-----	-----
4)	14CS4802C	USER INTERFACE DESIGN	-----	-----
5)	14CS4802D	GEOGRAPHICAL INFORMATION SYSTEMS	-----	-----
6)	14CS4802E	ENTREPRENEURSHIP AND NEW VENTURES	-----	-----
7)	14CS4802F	INDUSTRY NEED BASED	17CS4702C	INDUSTRY NEED BASED
8)	14CS4803A	PATTERN RECOGNITION	17CS2802E	PATTERN RECOGNITION
9)	14CS4803B	ADHOC AND SENSOR NETWORKS	-----	-----
10)	14CS4803C	MACHINE LEARNING	-----	-----
11)	14CS4803D	INFORMATION SECURITY RISK MANAGEMENT	-----	-----
12)	14CS4803E	M-COMMERCE	-----	-----
13)	14CS4803F	INDUSTRY NEED BASED	17CS4801F	INDUSTRY NEED BASED
14)	14CS3851	SOFTWARE TESTING LAB	-----	-----
15)	14CS5852/ 14CS5852T	PROJECT	17CS5851	MAJOR PROJECT


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ELECTRONICS AND COMMUNICATIONS ENGINEERING
Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

III-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1301	Complex Analysis And Numerical Methods	17MA1301	Complex Analysis and Numerical Methods
2)	14EC3302	Electronic Devices	17EC1204B	ELECTRONIC DEVICES
3)	14EC3303	Network Theory	17EC3303	Network Theory
4)	14EC3304	Digital Circuits And Systems	17EC3304	Digital Circuit Design
5)	14EC3305	Signal And Systems	17EC3308	Signals and Systems
6)	14EC3306	Electrical Technology		-
7)	14EC3351	Electronic Devices And Digital Circuits Lab	17EC3351	Analog Electronics Lab
			17EC3352	Digital Circuits Lab
8)	14EC3352	Electrical Technology Lab		-
9)	14HS1353	Communications Skills Lab	17HS3353	Communication Skills Laboratory

IV-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EC3401	Probability Theory And Random Processes	17EC1401	Probability Theory and Random Processes
2)	14EC3402	Electronic Circuits	17EC3302	Analog Electronics
3)	14EC3403	Electromagnetic Field Theory	17EC3403	Electromagnetic Theory and Transmission Lines
4)	14HS1404	Environmental Studies		-
5)	14EC3405	Computer Architecture And Organization	17EC2504/1	Computer Architecture and Organization
6)	14EC3406	Analog Communications	17EC3404	Analog Communications
7)	14EC3451	Electronic Circuits Lab	17EC3351	Analog Electronics Lab
8)	14EC3452	Analog Communications Lab	17EC3452	Analog Communications Lab

V-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EC3501	Linear Control Systems	17EC3501	Linear Control Systems
2)	14EC3502	Pulse And Switching Circuits	17EC3406	Pulse and Switching Circuits
3)	14EC3503	Microprocessors And Microcontrollers	17EC3602	Microcontrollers
4)	14EC3504	Digital Communications	17EC3502	Digital Communications
5)	14CS2505-3	Java Programming		-

6)	14EC5506A	C And Data Structures		
7)	14EC5506S-B	Python Language		
8)	14EC5506S-C	Problem Solving Through Programming In C		
9)	14EC5506S-D	Prog., Data Structures & Algorithms Using Python		
10)	14EC5506S-E	Technical English For Engineers / Better Spoken English		
11)	14EC5506S-F	Introduction To Internet Of Things		
12)	14EC5506S-G	Introduction To Machine Learning		
13)	14IT2505D	Database Management Systems	17EC2802/1	DBMS
14)	14EC3507	Transmission Lines And Wave Guides	17EC3403	Electromagnetic Theory and Transmission Lines
15)	14EC3551	Pulse And Switching Circuits Lab	17EC3451	Analog Integrated Circuits Lab
16)	14EC3552	Digital Communications Lab	17EC3551	Digital Communications Lab

VI-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1	14EC3601	Linear Integrated Circuits And Applications	17EC3402	Analog Integrated Circuits and Applications
2	14EC3602	Computer Networks	17EC4604/4	Computer Networks
3	14EC3603	Antennas And Wave Propagation	17EC3701	Antennas and Waveguides
4	14EC3604	Vlsi Design	17EC3503	VLSI Design
5	14EC3605	Digital Signal Processing	17EC3601	Digital Signal Processing
6	14EC3651	Linear Integrated Circuits And Applications Lab	17EC3451	Analog Integrated Circuits Lab
7	14EC3652	Vlsi Design Lab	17EC3552	VLSI Design Lab
8	14EC5653	Term Paper	17EC5653	Engineering Project for Community services*

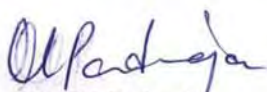
VII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EC3701	Electronic Measurements And Instrumentation	17EC4801/3	Electronic Measurements and Instrumentation
2)	14EC3702	Cellular And Mobile Communications	17EC4703/2	Mobile & Cellular Communication
3)	14EC3703	Dsp Processors And Architectures	17EC3702/1	DSP Processors & Architectures
4)	14HS1704	Engineering Economics And Finance	17HS1705	Engineering Economics

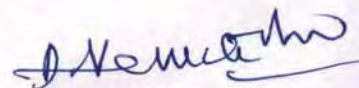
				and Finance
5)	14EC4705-1	Optical Communication	17EC3702/2	Optical and Satellite Communications
6)	14EC4705-2	Satellite Communication		
7)	14EC4705-3	Digital Television		-
8)	14EC4705-4	Adhoc Networks	17EC3702/4	Adhoc and Sensor Networks
9)	14EC4705-5	Embedded Systems Using Rtos	17EC4603/1	ES & RTOS
10)	14EC4706/1	Speech Processing		-
11)	14EC4706/2	Image Processing/ Digital Image Processing	17EC4604/2	Image and Video Processing
12)	14EC4706/3	Biomedical Signal Processing		-
13)	14EC4706-4A	Python Programming	17EC2506/2	Python Programming
14)	14EC6753-1	Internship	17EC6754	A Internship
15)	14EC6753-2	Industry Offered Course/ Internet Of Things		B Industry offered Course
16)	14EC6753-3	Lab View		C Global Professional Certification
17)	14EC3751	Digital Signal Processing Lab	17EC3651	Digital Signal Processing Lab
18)	14EC3752	Microprocessors And Microcontrollers Lab	17EC3652	Microcontrollers Lab
19)	14EC5754	Mini Project	17EC5753	Mini Project

VIII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EC3801	Microwave Engineering	17EC4603/3	Microwave Engineering
2)	14EC4802-1	Semiconductor Device Modeling	17EC4603/4	Device Modeling
3)	14EC4802-2	Low Power Vlsi		-
4)	14EC4802-3	Analog And Digital Ic Design	17EC4704/3	Analog and Digital IC Design
5)	14EC4802-4	Embedded Systems Using Embedded Linux		-
6)	14EC4803-1	Radar Principles	17EC3702/3	Principles of RADAR Engineering
7)	14EC4803-2	Advanced Wireless Communications	17EC4603/2	Advanced Communication Systems
8)	14EC4803-3	Emi & Emc		-
9)	14EC4803-4	Industry Need Based		-
10)	14EC3851	Microwave Engineering Lab	17EC4752	Optical/Microwave/SDR Lab
11)	14EC5852/ 14EC5852T	Major Project	17EC5851	Major Project



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ELECTRICAL AND ELECTRONICS ENGINEERING
Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

III-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1301	COMPLEX ANALYSIS AND NUMERICAL METHODS		
2)	14EE3302	ELECTRONIC CIRCUITS -I	17EE3302	Electronic Circuits
3)	14EE3303	NETWORK ANALYSIS I	17EE1204	Network Analysis - I
4)	14HS1304	ENVIRONMENTAL STUDIES		
5)	14EE3305	DC MACHINES		
6)	14EE3306	DIGITAL CIRCUITS AND SYSTEMS	17EE3305	Digital Electronics
7)	14EE3351	ELECTRICAL NETWORKS AND MACHINES LAB I	17EE3351	Networks & Electrical Machines-I Lab
8)	14EE3352	ELECTRONICS LAB II	17EE3352	Electronic Circuits Lab - I

IV-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1401	PROBABILITY AND STATISTICS	-	-
2)	14EE3402	ELECTRONIC CIRCUITS -II		
3)	14EE3403	NETWORK ANALYSIS II	17EE3304	Network Analysis-II
4)	14EE3404	ELECTRO MAGNETIC FIELD THEORY	-	-
5)	14EE3405	TRANSFORMERS AND INDUCTION MOTORS	-	-
6)	14EE3406	ELECTRICAL MEASUREMENTS	17EE3402	Electrical Measurements
7)	14EE3451	ELECTRICAL NETWORKS AND MACHINES LAB - II	-	-
8)	14EE3452	ELECTRICAL MEASUREMENTS LAB	-	-
9)	14HS1453	COMMUNICATION SKILLS LAB	17HS1453	Communication Skills Lab

V-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EE3501	LINEAR CONTROL SYSTEMS	17EE3401	Linear control systems
2)	14EE3502	INTEGRATED CIRCUITS AND APPLICATIONS	17EE3502	Operational amplifiers & Linear Integrated Circuits
3)	14EE3503	MICROCONTROLLERS AND DIGITAL SIGNAL PROCESSORS		
4)	14EE3504	SYNCHRONOUS AND SPECIAL MACHINES		
5)	14CE2505-1	AIR POLLUTION AND CONTROL	17CE2505A	Air and Noise Pollution-I
6)	14CE2505-4	BUILDING MATERIALS AND BUILDING CONSTRUCTION		
7)	14CE2505-6	REMOTE SENSING AND GIS		
8)	14CS2505-2	INTERNET TECHNOLOGIES		
9)	14EC2505-2	PRINCIPLES OF EMBEDDED SYSTEMS	17EC2505B	PRINCIPLES OF EMBEDDED SYSTEMS
10)	14EE2505/1	GENERATION AND UTILIZATION OF ENERGY	17EE4703A	Utilization of Electrical Energy
11)	14EE2505/2	ENERGY AUDITING	17EE2605B	Electrical Energy Conservation and Audit
12)	14EE2505/3	RENEWABLE ENERGY SYSTEMS	17EE2505B	Renewable Energy system
13)	14EE2505/4	SOLAR PHOTOVOLTAIC	17EE4801A	Solar photovoltaics
14)	14EI2505-1	BASICS OF INSTRUMENTATION		

ENGINEERING				
15)	14E12505-4	FUNDAMENTALS OF INDUSTRIAL AUTOMATION	17E12505B	Fundamentals of Industrial Automation
16)	14EE5506A	ILLUMINATION ENGINEERING	17EE2506A	Illumination Engineering
17)	14EE5506B	POWER ELECTRONICS AND DISTRIBUTED GENERATION	-	-
18)	14EE3507	POWER SYSTEMS-I	17EE3501	Power Systems - I
19)	14EE3551	AC MACHINES LAB		
20)	14EE3552	ELECTRONICS AND WORKSHOP LAB II		

VI-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EE3601	FUNDAMENTAL OF DIGITAL SIGNAL PROCESSING	17EE3404	Digital signal processing
2)	14EE3602	POWER ELECTRONICS	17EE3602	Power Electronics
3)	14EE3603	ADVANCED CONTROL SYSTEMS	17EE4603A	Advanced control systems
4)	14HS1604	ENGINEERING ECONOMICS AND FINANCE	17HS1604	Engineering Economics and Finance
5)	14EE3605	POWER SYSTEMS-II	---	---
6)	14EE3651	DSP LAB	17EE3652	Digital signal Processing Lab
7)	14EE3652	CONTROL SYSTEMS AND MICROCONTROLLERS LAB	-	-
8)	14EE3653	TERM PAPER		

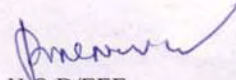
VII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EE3701	UTILIZATION OF ELECTRIC POWER	17EE4703A	Utilization of Electrical Energy
2)	14EE3702	SWITCH GEAR AND PROTECTION	-	-
3)	14EE3703	POWER SYSTEM ANALYSIS	17EE3701	Power System Analysis
4)	14EE3704	INDUSTRIAL DRIVES	17EE4705A	Industrial drives
5)	14EE4705-1	HVDC TRANSMISSION	-	-
6)	14EE4705-2	COMPUTER NETWORKS	-	-
7)	14EE4705-3	OPTIMIZATION TECHNIQUES	17EE4702D	optimization techniques in power system
8)	14EE4705-4	INTERNET OF THINGS	-	-
9)	14EE4706-1	ELECTRICAL DISTRIBUTION SYSTEMS	17EE4703C	. Electrical Distribution system
10)	14EE4706-2	AI TECHNIQUES IN ELECTRICAL ENGINEERING		
11)	14EE4706-3	DATABASE MANAGEMENT SYSTEMS		
12)	14EE4706-4	VLSI DESIGN	17EE4704B	VLSI
13)	14EE3751	POWER SYSTEMS LAB	17EE3751	Power Systems Lab
14)	14EE3752	POWER ELECTRONICS LAB	17EE3651	Power Electronics Lab
15)	14EE5754	MINI PROJECT	17EE5753	Mini Project *
16)	14EE6753-1	INTERNSHIP	17EE6754A	Internship

VIII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EE3801	POWER SYSTEM OPERATION AND CONTROL	17EE4702A	Power system operation and control
2)	14EE4802-1	FACTS CONTROLLERS	17EE4702B	FACTS & HVDC
3)	14EE4802-2	COMPUTER ORGANIZATION	-	-
4)	14EE4802-3	RENEWABLE ENERGY SYSTEMS	-	-
5)	14EE4802-4	HIGH VOLTAGE ENGINEERING	17EE4702C	High voltage Engineering
6)	14EE4803-1	ADVANCED POWER SYSTEM PROTECTION	-	-
7)	14EE4803-2	ENERGY CONSERVATION AND AUDIT		
8)	14EE4803-3	ELECTRICAL MACHINE DESIGN	17EE4705D	Modeling and analysis of

				Electrical Machines
9)	14EE4803-4	SMART GRID TECHNOLOGY AND APPLICATIONS	17EE2802A	Introduction to Smart Grid Technology
10)	14EE3851	SIMULATION OF ELECTRICAL SYSTEMS LAB	17EE3752	Simulation of Electrical Systems Lab
11)	14EE5852/ 14EE5852T	MAJOR PROJECT	17EE5851	Major Project**



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ELECTRONICS AND INSTRUMENTATION ENGINEERING
Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

III-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1301	COMPLEX ANALYSIS AND NUMERICAL METHODS	17MA1301	COMPLEX ANALYSIS & NUMERICAL METHODS
2)	14EI3302	ELECTRONIC DEVICES AND CIRCUITS	17EI1204	ELECTRONIC DEVICES AND CIRCUITS
3)	14EI3303	NETWORK THEORY	17EI3302	NETWORK THEORY
4)	14HS1304	ENVIRONMENTAL STUDIES	17MC1407A	ENVIRONMENTAL STUDIES
5)	14EI3305	SENSORS AND TRANSDUCERS	17EI3304	SENSORS AND TRANSDUCERS
6)	14EI3306	DIGITAL CIRCUITS AND SYSTEMS	17EI3406	DIGITAL CIRCUITS AND SYSTEMS
7)	14EI3351	ELECTRONIC DEVICES AND DIGITAL ELECTRONICS LAB	17EI3351	ELECTRONIC CIRCUITS LAB
8)	14EI3352	TRANSDUCERS LAB	17EI3352	TRANSDUCERS LAB

IV-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1	14EI3401	ELECTRICAL AND ELECTRONIC MEASUREMENTS	17EI3404	ELECTRICAL AND ELECTRONIC MEASUREMENTS
2	14EI3402	ANALOG ELECTRONIC CIRCUITS	17EI3303	ANALOG ELECTRONIC CIRCUITS
3	14EI3403	INDUSTRIAL INSTRUMENTATION	17EI3403	INDUSTRIAL INSTRUMENTATION
4	14EI3404	SIGNALS AND SYSTEMS	-	-
5	14EI3405	ELECTRICAL TECHNOLOGY	-	-
6	14EI3406	COMPUTER ORGANIZATION	-	-
7	14EI3451	MEASUREMENTS LAB	17EI3452	MEASUREMENTS LAB
8	14EI3452	ELECTRICAL ENGINEERING LAB	-	-
9	14HS1453	COMMUNICATION SKILLS LAB	17HS1353	COMMUNICATION SKILLS LAB

Sir
Pl. Verify and
Submit by 16/9/22
hs

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PS for verification
GNS
verified
P. Srinivas,

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V-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EI3501	CONTROL SYSTEMS	17EI3501	CONTROL SYSTEMS
2)	14EI3502	INTEGRATED CIRCUITS AND APPLICATIONS	17EI3402	INTEGRATED CIRCUITS AND APPLICATIONS
3)	14EI3503	MICROCONTROLLERS AND APPLICATIONS	-	-
4)	14EI3504	DIGITAL SIGNAL PROCESSING	17EI3502	DIGITAL SIGNAL PROCESSING
5)	14EI2505-1	BASICS OF INSTRUMENTATION ENGINEERING	17EI2505/A	INSTRUMENTATION ENGINEERING
6)	14EI2505-4	BASICS OF INDUSTRIAL AUTOMATION	17EI2505/B	FUNDAMENTALS OF INDUSTRIAL AUTOMATION
7)	14EI5506-1/ 14EI5506S-1	INDUSTRIAL SAFETY & ENVIRONMENTAL MANAGEMENT	-	-
8)	14EI3507	ANALYTICAL INSTRUMENTATION	17EI3401	ANALYTICAL INSTRUMENTATION
9)	14EI3551	INTEGRATED CIRCUITS LAB	17EI3451	ANALOG AND DIGITAL INTEGRATED CIRCUITS LAB
10)	14EI3552	MICROCONTROLLERS LAB	-	-

VI-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1	14EI3601	VIRTUAL INSTRUMENTATION	17EI2605/A	VIRTUAL INSTRUMENTATION
2	14EI3602	INDUSTRIAL ELECTRONICS	17EI4604/B	INDUSTRIAL ELECTRONICS
3	14EI3603	INDUSTRIAL COMMUNICATION NETWORKS	17EI4603/D	INDUSTRIAL COMMUNICATION NETWORKS
4	14EI3605	PROCESS CONTROL	17EI3601	PROCESS CONTROL
5	14HS1604	ENGINEERING ECONOMICS AND FINANCE	17HS1705	ENGINEERING ECONOMICS AND FINANCE
6	14EI3651	VIRTUAL INSTRUMENTATION LAB	17EI3652	VIRTUAL INSTRUMENTATION LAB
7	14EI3652	PROCESS CONTROL LAB	17EI3651	PROCESS CONTROL LAB
8	14EI3653	TERM PAPER	-	-


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VII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EI3701	ROBOTICS AND CONTROL	17EI4603/C	ROBOTICS AND CONTROL
2)	14EI3702	COMPUTER CONTROL OF PROCESSES	17EI3602	COMPUTER CONTROL OF PROCESSES
3)	14EI3703	INDUSTRIAL AUTOMATION	17EI3701	INDUSTRIAL AUTOMATION
4)	14EI3704	EMBEDDED SYSTEMS	-	-
5)	14EI4705-2	FIBER OPTIC SENSORS	17EI4603/A	FIBER OPTIC SENSORS
6)	14EI4705-3	PROCESS MODELING AND SIMULATION	17EI4604/C	PROCESS MODELING AND SIMULATION
7)	14EI4705-4	DIGITAL IMAGE PROCESSING	17EI4703/D	DIGITAL IMAGE PROCESSING
8)	14EI4706-2	MEASUREMENT & CONTROL IN FOOD PROCESSING	17EI4801/A	MEASUREMENT AND CONTROL IN FOOD PROCESSING
9)	14EI4706-3	WIRELESS SENSOR NETWORKS	17EI4702/C	WIRELESS SENSOR NETWORKS
10)	14EI3751	PROGRAMMABLE LOGIC CONTROLLERS LAB	17EI3751	INDUSTRIAL AUTOMATION LAB
11)	14EI3752	EMBEDDED SYSTEMS LAB	17EI3552	MICROCONTROLLERS AND EMBEDDED SYSTEMS LAB
12)	14EI6753-1/6753-2	INTERNSHIP- INDUSTRY OFFERED COURSE	17EI6754	A INTERNSHIP B INDUSTRY OFFERED COURSE
13)	14EI5754	MINI PROJECT	17EI5753	MINI PROJECT

VIII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14EI3801	BIO-MEDICAL INSTRUMENTATION	17EI4801/B	BIO-MEDICAL INSTRUMENTATION
2)	14EI4802-2	POWER PLANT INSTRUMENTATION	17EI4702/A	POWER PLANT INSTRUMENTATION
3)	14EI4802-3	INTELLIGENT SYSTEMS AND CONTROL	17EI4703/C	INTELLIGENT SYSTEMS AND CONTROL
4)	14EI4803-1	VLSI DESIGN	17EI4603/B	VLSI DESIGN
5)	14EI4803-2	INSTRUMENTATION AND CONTROL IN PAPER INDUSTRIES	17EI4704/A	INSTRUMENTATION AND CONTROL IN PAPER INDUSTRIES
6)	14EI3851	ADVANCED INSTRUMENTATION LAB	17EI3752	ADVANCED INSTRUMENTATION LAB
7)	14EI5852/ 14EI5852T	MAJOR PROJECT	17EI5851	MAJOR PROJECT


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**INFORMATION TECHNOLOGY
EQUIVALENT SUBJECTS FOR B.TECH VR14 REGULATION IN B.TECH VR17
REGULATION**

III-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1301	COMPLEX ANALYSIS AND NUMERICAL METHODS	17MA1301	COMPLEX ANALYSIS AND NUMERICAL METHODS
2)	14IT3302	DISCRETE MATHEMATICAL STRUCTURES	17IT3302	DISCRETE MATHEMATICAL STRUCTURES
3)	14IT3303	DATA STRUCTURES	17IT3303	DATA STRUCTURES
4)	14IT3304	OPERATING SYSTEMS	17IT3406	OPERATING SYSTEMS
5)	14IT3305	COMPUTER ORGANIZATION	17IT3304	COMPUTER ORGANIZATION
6)	14HS1353	COMMUNICATIONS SKILLS LAB	17HS1352	COMMUNICATION SKILLS LABORATORY
7)	14IT3351	DATA STRUCTURES LAB	17IT3351	DATA STRUCTURES LAB
8)	14IT3352	OPERATING SYSTEMS LAB	-	-
9)	14IT3354	INTERNET PROGRAMMING LAB		-

IV-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1401	PROBABILITY AND STATISTICS	17IT3401	STATISTICS WITH R
2)	14IT3402	DATABASE MANAGEMENT SYSTEMS	17IT3402	DATA BASE MANAGEMENT SYSTEMS
3)	14IT3403	DESIGN & ANALYSIS OF ALGORITHMS	17IT3403	DESIGN & ANALYSIS OF ALGORITHMS
4)	14HS1404	ENVIRONMENTAL STUDIES		-
5)	14IT3405	OOPS USING JAVA	17IT3509	JAVA PROGRAMMING
6)	14IT3451	DATABASE MANAGEMENT SYSTEMS LAB	17IT3451	DATABASE MANAGEMENT SYSTEMS LAB
7)	14IT3452	JAVA PROGRAMMING LAB	17IT3551	JAVA PROGRAMMING LAB
8)	14IT3453	WEB PROGRAMMING LAB	17IT3453	WEB PROGRAMMING LAB

V-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14IT3501	SOFTWARE ENGINEERING	17IT3501	SOFTWARE ENGINEERING
2)	14IT3502	DATA WAREHOUSING AND MINING	17IT3502	DATA MINING
3)	14IT3503	WEB PROGRAMMING AND DEVELOPMENT	17IT3602	WEB PROGRAMMING AND DEVELOPMENT
4)	14IT3504	COMPUTER NETWORKS	17IT3503	COMPUTER NETWORKS
5)	14IT2505A	DATA STRUCTURES		-
6)	14IT2505B	WEB PROGRAMMING	-	-
7)	14IT2505C	JAVA PROGRAMMING	17IT2505B	OOPS
8)	14IT2505D	DATA BASE MANAGEMENT SYSTEMS	17IT2505A	DBMS
9)	14IT5506A	PYTHON PROGRAMMING		-
10)	14IT5506B	CYBER LAWS & INTELLECTUAL PROPERTY RIGHTS		-
11)	14IT5506C	ENTREPRENEURSHIP DEVELOPMENT		-
12)	14IT5506D	AGILE PLANNING FOR SOFTWARE PRODUCT		-
13)	14IT5506S-A	PYTHON FOR EVERYBODY SPECIALIZATION		-
14)	14IT5506S-C	INNOVATION, BUSINESS MODELS & ENTREPRENEURSHIP		-
15)	14IT5506S-E	DATA STRUCTURES AND ALGORITHMS SPECIALIZATION		-
16)	14IT3551	DATA WAREHOUSING & MINING LAB		-
17)	14IT3552	WEB PROGRAMMING AND DEVELOPMENT LAB	17IT3652	WEB PROGRAMMING AND DEVELOPMENT LAB
18)	14IT3553	COMPUTER NETWORKS LAB	-	-

VI-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14IT3601	ARTIFICIAL INTELLIGENCE	17IT2504A	AI TOOLS, TECHNIQUES AND APPLICATIONS
2)	14IT3602	BIG DATA	17IT4604A	BIG DATA
3)	14IT3603	INTERNET OF THINGS	17IT4604B	INTERNET OF THINGS
4)	14IT3604	NETWORK SECURITY	17IT4603B	NETWORK SECURITY
5)	14IT4605A	DISTRIBUTED SYSTEMS		-
6)	14IT4605B	DOT NET PROGRAMMING	17IT4604C	DOT NET TECHNOLOGIES
7)	14IT4605C	ETHICAL HACKING		-
8)	14IT4605D	R PROGRAMMING FOR DATA SCIENCE	17IT4702A	DATA ANALYTICS
9)	14IT4605E	COMPUTER VISION	17IT4702B	COMPUTER VISION
10)	14IT4605F	APTITUDE RELATED ANALYTICAL SKILLS		-
11)	14IT4605G	INDUSTRY NEED BASED	17IT4603E	INDUSTRY NEED BASED ELECTIVE
12)	14IT3651	BIG DATA LAB	17IT4651A	BIG DATA LAB
13)	14IT3652	INTERNET OF THINGS LAB	17IT4651B	INTERNET OF THINGS LAB
14)	14IT3653	MOBILE APPLICATION DEVELOPMENT LAB	-	-
15)	14IT5654	TERM PAPER		-

VII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14IT3701	CLOUD COMPUTING	17IT3701	CLOUD COMPUTING
2)	14IT3702	MACHINE LEARNING	17IT3601	MACHINE LEARNING
3)	14IT3703	CYBER SECURITY	17IT2605A	CYBER SECURITY
4)	14HS1704	ENGINEERING ECONOMICS AND FINANCE	17HS1705	ENGINEERING ECONOMICS AND FINANCE
5)	14IT4705A	BUSINESS INTELLIGENCE	17IT4801A	BUSINESS INTELLIGENCE
6)	14IT4705B	DESIGN PATTERNS		
7)	14IT4705C	MOBILE COMPUTING	17IT4801B	MOBILE COMPUTING
8)	14IT4705D	SOFTWARE PROJECT PLANNING AND MANAGEMENT		-
9)	14IT4705E	THEORY OF AUTOMATA AND FORMAL LANGUAGES	17IT4603C	AUTOMATA AND COMPILER DESIGN
10)	14IT4705F	SIMULATION AND MODELING		
11)	14IT4705G	INDUSTRY NEED BASED	17IT4702D	INDUSTRY NEED BASED

12)	14IT3751	CLOUD COMPUTING LAB	17IT3751	CLOUD COMPUTING LAB
13)	14IT3752	CYBER SECURITY LAB		
14)	14IT5754	MINI PROJECT	17IT5753	MINI PROJECT
15)	14IT6753\14IT6754	INTERNSHIP\INDUSTRY OFFERED COURSE	17IT6754	A. INTERNSHIP B INDUSTRY OFFERED COURSE C GLOBAL PROFESSIONAL CERTIFICATION

VIII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14IT3801	SOFTWARE TESTING METHODOLOGIES	17IT4604D	SOFTWARE TESTING METHODOLOGIES
2)	14IT4802A	INFORMATION RETRIEVAL SYSTEMS	17IT4703C	INFORMATION RETRIEVAL SYSTEMS
3)	14IT4802B	HIGH PERFORMANCE COMPUTING		
4)	14IT4802C	WIRELESS NETWORKS		
5)	14IT4802D	SOFTWARE RELIABILITY		
6)	14IT4802E	SOFT COMPUTING		
7)	14IT4802F	RESEARCH PROCESS AND METHODOLOGY		
8)	14IT4802G	INDUSTRY NEED BASED		
9)	14IT4803A	NATURAL LANGUAGE PROCESSING	17IT4704A	NATURAL LANGUAGE PROCESSING
10)	14IT4803B	PRIVACY PRESERVING		
11)	14IT4803C	E-MARKET PLACE		
12)	14IT4803D	SOFTWARE METRICS AND QUALITY MANAGEMENT	17IT4801D	SOFTWARE METRICS AND QUALITY ASSURANCE
13)	14IT4803E	SEMANTIC WEB AND SOCIAL NETWORKS		
14)	14IT4803F	PATTERN RECOGNITION		
15)	14IT4803G	NETWORK MANAGEMENT SYSTEMS		
16)	14IT3851	SOFTWARE TESTING TOOLS LAB	17IT4651D	SOFTWARE TESTING METHODOLOGIES LAB
17)	14IT5852/ 14IT5852T	MAJOR PROJECT	17IT5851	MAJOR PROJECT

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DEPARTMENT OF MECHANICAL ENGINEERING
Equivalent Subjects for B.Tech VR14 Regulation in B.Tech VR17 Regulation

III-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1301	COMPLEX ANALYSIS AND NUMERICAL METHODS	No Equivalent Subject	
2)	14ME3302	MECHANICS OF MATERIALS	No Equivalent Subject	
3)	14ME3303	BASIC THERMODYNAMICS	No Equivalent Subject	
4)	14HS1304	ENVIRONMENTAL STUDIES	No Equivalent Subject	
5)	14EC1305	BASICS OF ELECTRONICS ENGG.	No Equivalent Subject	
6)	14ME3306	KINEMATICS OF MACHINES	17 ME 3305	KINEMATICS OF MACHINES
7)	14ME3307	MANUFACTURING PROCESSES	17 ME 3304	MANUFACTURING PROCESSES
8)	14ME3351	COMPUTER AIDED DRAFTING LAB	No Equivalent Subject	
9)	14ME3352	MANUFACTURING PROCESS LAB	17 ME 3352	MANUFACTURING PROCESS LAB

IV-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14MA1401	PROBABILITY AND STATISTICS	No Equivalent Subject	
2)	14ME3402	ADVANCED MECHANICS OF MATERIALS	No Equivalent Subject	
3)	14ME3403	FLUID MECHANICS	No Equivalent Subject	
4)	14ME3404	APPLIED THERMODYNAMICS	No Equivalent Subject	
5)	14EE1405	BASICS OF ELECTRICAL ENGINEERING	No Equivalent Subject	
6)	14ME3406	MATERIAL SCIENCE AND METALLURGY	No Equivalent Subject	
7)	14ME3451	COMPUTATIONAL METHODS LAB	17 ME 3451	COMPUTATIONAL METHODS LAB
8)	14ME3452	ELECTRICAL AND ELECTRONICS ENGINEERING LAB	No Equivalent Subject	
9)	14HS1453	COMMUNICATION SKILLS LAB	17 HS 3453	COMMUNICATION SKILLS LAB

V-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14ME3501	HYDRAULIC MACHINES	No Equivalent Subject	
2)	14ME3502	DESIGN OF MACHINE ELEMENTS	17 ME 3502	DESIGN OF MACHINE ELEMENTS
3)	14ME3503	MACHINE DYNAMICS	17 ME 3402	MACHINE DYNAMICS
4)	14ME3504	INTERNAL COMBUSTION ENGINES	No Equivalent Subject	
5)	14ME2505A	ROBOTICS AND AUTOMATION	No Equivalent Subject	
6)	14ME2505B	AUTOMOBILE ENGINEERING	No Equivalent Subject	
7)	14ME2505C	MANUFACTURING PROCESSES	No Equivalent Subject	
8)	14ME2505D	WORK STUDY	No Equivalent Subject	
9)	14ME5506B	WORK STUDY	No Equivalent Subject	
10)	14CE2505-3	BUILDING SERVICES ENGINEERING		
11)	14CE2505-4	BUILDING MATERIALS AND BUILDING CONSTRUCTION		
12)	14EC2505-1	ARTIFICIAL NEURAL NETWORKS		
13)	14EE2505-1	GENERATION AND UTILIZATION OF ENERGY		
14)	14IT2505B	WEB PROGRAMMING		
15)	14IT2505F	R PROGRAMMING		
16)	14ME5506A	UNCONVENTIONAL MACHINING PROCESSES	No Equivalent Subject	
17)	14ME5506S-C	THEORY AND PRACTICE OF NON DESTRUCTIVE TESTING	No Equivalent Subject	
18)	14ME3507	METAL CUTTING AND MACHINE TOOLS	17 ME 3503	MACHINE TOOLS AND METAL CUTTING
19)	14ME3551	GEOMETRICAL MODELING LAB	No Equivalent Subject	
20)	14ME3552	SM AND FM LAB	17 ME 3552	SM AND FM LAB

VI-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14ME3601	HEAT TRANSFER	No Equivalent Subject	
2)	14ME3602	DESIGN OF TRANSMISSION ELEMENTS	17 ME 3601	DESIGN OF TRANSMISSION SYSTEMS
3)	14ME3603	OPERATIONS RESEARCH	17ME4704/B	OPERATIONS RESEARCH
4)	14HS1604	ENGINEERING ECONOMICS AND FINANCE	No Equivalent Subject	
5)	14ME3605	ENGINEERING METROLOGY AND MEASUREMENTS	No Equivalent Subject	
6)	14ME3651	FUELS AND IC ENGINES LAB	17 ME 3551	FUELS AND IC ENGINES LAB
7)	14ME3652	MACHINE TOOLS LAB	17 ME 3651	MACHINE TOOLS LAB
8)	14ME5653	TERM PAPER	No Equivalent Subject	

VII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14ME3701	FINITE ELEMENT METHOD	17ME4702/C	FINITE ELEMENT METHOD
2)	14ME3702	COMPUTER AIDED MANUFACTURING	17 ME 3701	COMPUTER AIDED MANUFACTURING
3)	14ME3703	REFRIGERATION & AIR CONDITIONING	17ME4705/A	REFRIGERATION & AIR CONDITIONING
4)	14ME4704-1	MECHATRONICS	17ME2605A	MECHATRONICS
5)	14ME4704-2	COMPUTATIONAL FLUID DYNAMICS	17 ME 4704 A	COMPUTATIONAL FLUID DYNAMICS
6)	14ME4704-3	HYDRAULIC & PNEUMATIC SYSTEMS	17ME2504B	HYDRAULIC & PNEUMATIC SYSTEMS
7)	14ME4704-4	RELIABILITY ENGINEERING	17ME2505 B	RELIABILITY ENGINEERING
8)	14ME4704-5	OPTIMIZATION TECHNIQUES	No Equivalent Subject	
9)	14ME4705-1	COMPUTER AIDED DESIGN	No Equivalent Subject	
10)	14ME4705-2	DESIGN FOR MANUFACTURING AND ASSEMBLY	No Equivalent Subject	
11)	14ME4705-3	MECHANICAL VIBRATIONS	17 ME 4704 C	MECHANICAL VIBRATIONS

12)	14ME4705-4	SIGNAL ANALYSIS AND CONDITION MONITORING	No Equivalent Subject	
13)	14ME4705-5	PRODUCT DESIGN AND DEVELOPMENT	No Equivalent Subject	
14)	14ME6753-1	INTERNSHIP	17 ME 6754 A	INTERNSHIP
15)	14ME6753-2	COMPOSITE MATERIALS	No Equivalent Subject	
16)	14ME6753-2A	NON DESTRUCTIVE TESTING	17 ME 6754 B-1	NON DESTRUCTIVE TESTING
17)	14ME3751	HEAT TRANSFER LAB	17 ME 3652	HEAT TRANSFER LAB
18)	14ME3752	DESIGN AND METROLOGY LAB	17 ME 3751	DESIGN AND METROLOGY LAB
19)	14ME5754	MINI PROJECT	17 ME 5753	MINI PROJECT

VIII-SEMESTER

S.NO	VR14 REGULATION		VR 17 REGULATION	
	SUBJECT CODE	SUBJECT TITLE	EQUIVALENT SUBJECT CODE	EQUIVALENT SUBJECT TITLE
1)	14ME3801	MANUFACTURING MANAGEMENT	17ME4603 B	MANUFACTURING MANAGEMENT
2)	14ME4802-1	ROBOTICS	17ME2504 A	ROBOTICS
3)	14ME4802-2	FLEXIBLE MANUFACTURING SYSTEMS & GROUP TECHNOLOGY	No Equivalent Subject	
4)	14ME4802-3	ADVANCED MANUFACTURING MANAGEMENT	No Equivalent Subject	
5)	14ME4802-4	MACHINE TOOL DESIGN	No Equivalent Subject	
6)	14ME4802-5	ADVANCED MANUFACTURING PROCESSES	No Equivalent Subject	
7)	14ME4803-1	ENERGY CONVERSION AND MANAGEMENT	No Equivalent Subject	
8)	14ME4803-2	AUTOMOBILE ENGINEERING	No Equivalent Subject	
9)	14ME4803-3	CRYOGENIC ENGINEERING	No Equivalent Subject	
10)	14ME4803-4	GAS DYNAMICS	No Equivalent Subject	
11)	14ME4803-5	SOLAR ENERGY UTILIZATION	17ME2802 B	SOLAR ENERGY UTILIZATION

12)	14ME3851	COMPUTER AIDED ENGG. LAB	No Equivalent Subject	
13)	14ME5852/ 14ME5852T	MAJOR PROJECT	17 ME 5851	MAJOR PROJECT

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