Programme: Automobile Engineering	
Course Code - Course Name as per New regulation	**% of Content Changes Made**
19MABC1301 - Numerical Methods	20
19MESC1301 - Engineering Mechanics	20
19MECC2301 - Fluid Mechanics and Hydraulic Machinery	20
19AUCN1301 - Production Processes	5
19AUSN2301 - Automotive Engines	5
19MECC2401 - Strength of Materials	20
19AUCN1402 - Mechanics of Machines	20
19AUCN2401- Automotive Electrical and Electronics	20
19AUCN3401 - Fuel, Engine Performance and Emission Testing Laboratory	20
19MABG1401 - Probability and Statistics	100
19PSHG6002 - Universal Human Values 2: Understanding Harmony	100
19AUPN6401 - Mini – Project	100
16AUPN6001 - Internship or Skill Development	100
19AUCN1501 - Design of Automotive Elements	40
19AUCN2501 - Engineering Thermodynamics and Heat Transfer	60
19AUCN2502 - Automotive Embedded System	20
19PSHG6501 - Employability Skills 1: Teamness and Interpersonal Skills	80
19MECC2501 - Problem solving using PYTHON for Mechanical Sciences	100
19AUEN1019 - Sensors for Automotive Application	100
19AUEN1020 - Automated and Connected Vehicles	100
19PSHG6601 - Employability Skills 2: Campus To Corporate	80
19MECC1602 - Data Science for Engineers	100
19AUEC1002 - Fleet Management	100
19AUEC1003 - In-Vehicular Networks	100
19MEEC1019 - Industrial IoT	100
19MEEC1021 - Java Programming For Mechanical Sciences	100
19AUEN1021 - Electric vehicle Powertrains	100
19MEEC1001 - Product Life Cycle Management	100
19MEEC1023 - Model Based Systems Engineering	100
19MECC1701 - Artificial Intelligence and Machine Learning	100
19AUEN1008 - Production of Automotive Electrical Components	100
Welding and Joining Technologies	100
19MEEC1013 - Logistics Engineering	100
19MEEC1021 - Java Programming For Mechanical Sciences	100
19MEEC1022 - Data Structures and Object Oriented Programming with C++	100
Total % of Content Change	2530
Total number of courses in R2016	111
Total number of courses in R2019	95
Average number of Programme Courses	103
% of Syllabus revision for the Programme	24.56

Programme: Mechanical Engineering

Course Code - Course Name as per New regulation	f Content Changes M
19MECN1301-Manufacturing Processes	10
19MECN2401-Theory of Machines	20
19MECC2401-Strength of Materials	10
19MESC1301-Engineering Mechanics	5
19MECN3301-Computer Aided Modeling and Drafting Laboratory	25
19MECC2501-Problem solving using PYTHON for Mechanical Sciences	100
19MECC1602-Data Science for Engineers	100
19MECN2601-Heat and Mass Transfer	10
19MECC1701-Artificial Intelligence and Machine Learning	100
19MECN1702-CNC Programming and Robotics	100
19MEEC1001-Product Life Cycle Management	100
19MEEC1023-Model Based Systems Engineering	100
19MEEC1024-New Product Development	100
19MEEC1025-Systems Engineering	85

Total % of Content Change	865
Total number of courses in R2016	120
Total number of courses in R2019	111
Average number of Programme Courses	116

% of Syllabus revision for the Programme	7.46

Programme: Electrical and Electronics Engineering

Course Code - Course Name as per New regulation	% of Content Changes Made
19MABC1101Matrices and Calculus	10
19ENHG2101Communication Skills – I	10
19CHBC2001Chemistry for Electrical Sciences	20
19MESN4101Engineering Graphics	10
19PSHG6001Wellness for Students*	10
19ENHG2201Communication Skills - II	10
19MABC1201Ordinary Differential Equations and Complex Variables	10
19PHBC2001Physics for Electrical Sciences	80
19EECN4201Electrical CAD	100
19CHMG6201Environmental Sciences	50
19MABC1302 Numerical Methods and Linear Algebra	50
19EECN2301Instrumentation and Testing	100
19EECN4301 Process Engineering in Electrical & Electronic Parts	100
19PSHG6002Universal Human Values 2 :Understanding Harmony	100
19MABG1401Probability and Statistics	
19EESN4401 Process Engineering in Mechanical Part Assembly	100
19EECN1501Generation, Transmission and Distribution	10
19CSSN2501Python Programming	10
19EECN1502Digital Signal Processing	10
19EECN1503Linear Integrated Circuits	10
19EECN3501Integrated Circuits Laboratory	10
19EECN3601Power Electronics Laboratory	10
19EEPN6601Innovative and Creative Project	100
19EECN1701Power System Analysis and Stability	100
19EECN2701Electric Drives and Control	100
19EECN3701Power System Simulation Lab	100
Total % of Content Change	1020
Total number of courses in R2016	60
Total number of courses in R2019	70
Average number of Programme Courses	75

% of Syllabus revision for the Programme	13.60

Programme: Electronics and Communication Engineering

Course Code - Course Name as per New regulation		% of Content Changes Made
19MABC1101	Matrices and Calculus	10
19ENHG2101	Communication Skills – I	10
19CHBC2001	Chemistry for Electrical Sciences	20
19ECSN2101	Fundamentals of Electrical and Electronics Engineering	50
19MESC2001	Introduction to Engineering	100
19MABC1201	Ordinary Differential Equations and Complex Variables	10
19ENHG2201	Communication Skills – II	10
19PHBC2001	Physics for Electrical Sciences	80
19ECSN2201	Electric Circuits and Electron devices	50
19PSHG3001	Wellness for Students	10
19CHMG6201	Environmental Sciences	100
19MABC1302	Numerical Methods and Linear Algebra	50
19ITSN2302	Data Structures and Algorithms - I	10
19ECCN2301	Transmission Lines and Waveguides	20
19ITSN2401	Data Structures and Algorithms - II	100
19PSHG6002	Universal Human Values 2 :Understanding Harmony	100
19MABG1401	Probability and Statistics	10
19ECPN6401	Mini- Project	100
19ECCN1501	Analog and Digital Communication	50
19ECCN2501	Digital Signal Processing	20
19ECCN3502	Data Science Laboratory	100
19ECCN1601	VLSI System Design	10
19ECCN1602	Internet of Things	100
19ECCN2601	Microcontroller and Its Interfacing Techniques	80
19ECCN1702	Machine Learning	100
19ECCN1701	RF and Microwave Engineering	10
19ECEN1014	Biomedical Electronics	10

Total % of Content Change	1320
Total number of courses in R2016	67
Total number of courses in R2019	58
Average number of Programme Courses	62.5

% of Syllabus revision for the Programme	21.12

Programme: Electronics and Instrumentation Engineering

Course Code - Course Name as per New regulation	% of Content Changes Made
19MABC1101 Matrices and Calculus	10
19CHBC2001 Chemistry for Electrical Sciences	20
19PHBC2001 Physics for Electrical Sciences	80
19EISN2101 Fundamentals of Instrumentation Engineering	100
19MESC2001 Introduction to Engineering	100
19MABC1201 Ordinary Differential Equations and Complex Variables	10
19EISN1201 Electric Circuit Analysis	10
19CHMG6201 Environmental Sciences	50
19MABC1302 Numerical Methods and Linear Algebra	50
19EICN2301 Sensors and Transducers	10
19EICN1401 Linear Integrated Circuits	10
19EICN3301 Electron Devices and Circuits Laboratory	10
19EICN3302 Electrical Machines and Measurements Laboratory	30
19EICN2401 Industrial Instrumentation	10
19MABG1401 Probability and Statistics	10
19EICN3401 Signal Conditioning Laboratory	10
19PSHG6002 Universal Human Values-2: Understanding Harmony	100
19EIPN6401 Mini-Project	100
19CSSN2502 Object Oriented Programming	100
19EICN3501 Microprocessor and Microcontroller Laboratory	20
19EICN3602 Embedded and IoT Laboratory	20
Internship or Skill Development	100
19EICN1701 Introduction to Machine Learning	100
19EICN1702 Industrial Automation System	10
19EIEN1012 Agricultural Instrumentation	100
19EIEN1023 Industrial Internet of Things	100
19EIOC1001 Industrial Measurement Systems	100
19EIOC1002 Electronics System Design	100
19EIOC1005 Factory Automation	100
19EIOC1006 Internet of Medical Things	100

Total % of Content Change	1670
Total number of courses in R2016	101
Total number of courses in R2019	98
Average number of Programme Courses	100

% of Syllabus revision for the Programme	16.70

Programme: Computer Science Engineering

Course Code - Course Name as per New regulation	% of Content Changes Made
19ENHG2101 - Communication Skills – I	10
19ENHG2101 - Communication Skills – II	10
19EESC2101 - Introduction to Electrical and Electronics Engineering	10
19CSSN2101 - Fundamentals of Programming	20
19CSSN2201 - Programming with C	20
19MESC4001 - Engineering Drawing	10
19ECSC2201 - Digital System Design	30
19PHBC2002 - Physics for Information Sciences	30
19MABC1303 - Discrete Mathematics	20
19CSCN1301 - Data Structures and Algorithm Analysis – I	20
19CSCN3301 - Data Structures and Algorithm Analysis Laboratory	20
19ECSN1301 - Principles of Communication Engineering	10
19CSSC4001 - IT Practices Lab	100
19CSCN4501 - Internet Programming Laboratory	100
19PSHG6501 - Employability Skills 1 : Teamness and Interpersonal Skills	60
19CSCN1501 - Formal Languages and Automata Theory	10
19CSCN1502 - Object Oriented Software Engineering	40
19CSCN3501 - Object Oriented Software Engineering Laboratory	100
19CSCN3401 - Python Programming Laboratory	100
19CSCN1602 - Machine Intelligence	100
19CSCN3601 - Machine Intelligence Laboratory	100
19PSHG6601 - Employability Skills 2: Campus to Corporate	20
19CSCN1601 - Compiler Design	20
19CSCN1701 - Cyber Security	100
19CSCN4701 - Cloud Technology Laboratory	40
19CSCN4702 - Open Source Software Development Laboratory	100

Total % of Content Change	1200
Total number of courses in R2016	67
Total number of courses in R2019	55
Average number of Programme Courses	61

% of Syllabus revision for the Programme	19.67

Programme: Information Technology	
Course Code - Course Name as per New regulation	**% of Content Changes Made**
19MABC1102 - Linear Algebra and Infinite Series	20%
19ENHG2101 - Communication Skills - I	40%
19ITSN2101- Problem Solving using C	100%
19PHBC2002 - Physics for Information Sciences	100%
19ENHG2201 - Communication Skills – II	20%
19MABC1202 - Calculus and Transforms	100%
19ITSN2201 -Data Structures using C	100%
19ECSC2201 Digital System Design	100%
19CSSC4001 - IT Practices Lab	100%
19MABC1303- Discrete Mathematics	90%
19ITSN2301- Computer Organization and Microprocessor	100%
19ITCN1301 Design and Analysis of Algorithms	100%
19ITCN3301 Design and Analysis of Algorithms Laboratory	100%
19ITCN2401 Computer Networks	100%
19ITCN4401 Programming with Python Laboratory	100%
19ITPN6401 Mini – Project	100%
19PSHG6002 Universal Human Values 2 : Understanding Harmony	100%
XXXXXXXXXX Internship or Skill Development	100%%
19ITCN1501 Web Technology	20%
19ITCN2501 Data Mining	100%
19ITCN2502 Cryptography and Network Security	100%
XXXXXXXXXX Professional Elective – II (Online)	100%
XXXXXXXXXX Open Elective – I	100%
19ITCN4501 Mobile Programming Laboratory	100%
19ITCN1601 Cloud Computing	100%
19ITCN2601 Internet of Things	100%
XXXXXXXXXX Professional Elective – III	100%
XXXXXXXXXX Professional Elective – IV(Online)	100%
XXXXXXXXXX Open Elective – II	100%
19ITCN3601 Cloud Computing Laboratory	100%
19ITPN6601 Innovative and Creative Project	100%
19ITHN1701 Engineering Economics and Management	100%
19ITCN2701 Artificial Intelligence and Machine Learning	100%
19ITCN4701 Data Science Laboratory	100%
XXXXXXXXXX Internship or Skill Development	100%
Total % of Content Change	3190
Total number of courses in R2016	67
Total number of courses in R2019	56
Average number of Programme Courses	61.5

% of Syllabus revision for the Programme	51.87

Programme: Civil Engineering

Course Code - Course Name as per New regulation	% of Content Changes Made
19EESN2101 Basics of Electrical and Mechanical Engineering	100
19MABG1401-Probability and Statistics	100
19CEPN6401-Mini – Project	100
19SHMG6101-Induction Program	100
19CHMG6201-Environmental Sciences	100
19CEPN6011 - Introduction to Interior Design Sketch-up Tool	100
19CEPN6012 - Introduction to ANSYS	100
19CEPN6013 - Welding Technology	100
19CEPN6014 - Fire and Safety Engineering	100
19CEEN1014 - Basics of Phyton Programming	100
19CEPN6001 - Internship or Skill Development	100
19CEVN6012 - Green Construction Management	100
19PSHG6002-Universal Human Values 2: Understanding Harmony	20
19PSHG6601 - Employability Skills 2: Campus to Corporate	20
19ENHG2101-Communication Skills – I	10
19MABC1101-Matrices and Calculus	10
19PHBN2101-Physics for Civil Engineering	20
19PSHG6001-Wellness for Students*	20
19ENHG2201-Communication Skills – II	20
19MABC1201-Ordinary Differential Equations and Complex Variables	20
19CHBN2201-Chemistry for Civil Engineering	20
19CESN1201-Engineering Mechanics	20
19CSSC2001-C Programming	20
19CECN3201-Computer Aided Building Drawing Laboratory	10
19PSHG6001-Wellness for Students*	20
19MABN1301-Transforms and Partial Differential Equations	20
19CECN1301-Construction Materials and Practices	10
19CECN1302-Transportation Engineering	20
19CECN1303-Surveying	20
19CESN1301-Solid Mechanics	20
19CECN3302-Materials Laboratory	20
19CECN1401-Hydraulics Engineering	20
19CECN1403-Structural Analysis	40
19CECN3401-Hydraulics Engineering Laboratory	20
19CECN3402-Concrete and Transportation Engineering Laboratory	10
19CESN1501-Geology and Soil Mechanics	20
19CECN1502-Design of RC Structures	20
19CECN1503-Environmental Engineering	20
19CECN3501-Soil Mechanics Laboratory	20
19CECN3502-Environmental Engineering Laboratory	20
19PSHG6501-Employability Skills 1: Teamness and Interpersonal Skills	20
19CECN1601-Foundation Engineering	20
19CECN1602-Design of Steel Structures	20
19PSHG6601-Employability Skills 2: Campus to Corporate	20
19CEPN6601-Innovative and Creative Project	20
19CECN1701-Hydrology and Water Resources Engineering	20
19CECN1702-Construction Project Management	20
19CECN3701-Quantity Surveying and Estimation Laboratory	20

Total % of Content Change	1890
Total number of courses in R2016	61
Total number of courses in R2019	60
Average number of Programme Courses	60.5

% of Syllabus revision for the Programme	31.24

Programme: Structural Engineering

Course Code - Course Name as per New regulation	% of Content Changes Made
19STFN1101-Analytical and Numerical Methods	100
19STCN1101-Theory of Elasticity and Plasticity	50
19COFG1101-Research Methodology and IPR	30
19STCN2101-Advanced Concrete Laboratory	100
19STCN2102-Structural Engineering Laboratory	50
19STCN1201-Finite Element Methods	100
19STCN1202-Structural Dynamics	50
19STCN1203-Design of Sub Structures	30
19STCN2201-Structural Design Laboratory	20
19STPN3201-Mini Project with Seminar	25
19SHAG1201-Teaching and Learning in Engineering	20
19STEN1101-Structural Stability	100
19STEN1102-Theory of Plates and Shells	20
19STEN1103-Structural Analysis by Matrix Methods	30
19STEN1104-Experimental Methods and Model Analysis	10
19STEN1105-Advanced repair and rehabilitation techniques for concrete structures	20
19STEN1201-Advanced Steel Design	10
19STEN1202-Design of Bridges	10
19STEN1203-Design of High-Rise Buildings	50
19STEN1204-Design of Advanced Concrete Structures	30
19STEN1205-Design of Industrial Structure	25
19STEN1206-Construction Facilities using Composite Materials	100
19STEN1301-Design of Prestressed Concrete Structures	100
19STEN1302-Construction Techniques and Management	100
19STEN1303-Prefabricated Structures	100
19STEN1304-Geoenvironmental Engineering	100
19STOC1301-Safety Engineering	100
19STOC1302-Waste to Energy	100
19CCOC1301-Automation Systems	100
19CCOC1302-Enterprise Resource Planning	100
19COOC1301-Cryptography and Network security	100
19COOC1302-Advanced Embedded systems	100
19CPOC1301-Business Analytics	100
19CPOC1302-Cyber Security and Computer Forensics	100

Total % of Content Change	2180
Total number of courses in R2016	35
Total number of courses in R2019	44
Average number of Programme Courses	39.5

% of Syllabus revision for the Programme	55.19

Programme: ME CAD CAM

Course Code - Course Name as per New regulation	% of Content Changes Made
19CCCN1101 - CNC Machines and Programming	100
19COFG1101 - Research Methodology and IPR	100
19CCCN2101 - CAD Laboratory	60
19CCCN2102 - CAM Laboratory	30
19SHAG1101 - English for Research Paper Writing	100
19CCEN1101 - Advanced Vibrations and Acoustics	100
19CCEN1109 - Java Programming for Mechanical Sciences	100
19CCCN2201- CAE Laboratory	60
19CCPN3201 - Mini Project with Seminar	100
19SHAG1201 - Teaching and Learning in Engineering	100
19CCEN1204 - Reliability and Quality Engineering	100
19CCEN1210 - Biological Nano Structure	100
19CCEN1306 - Model Based Systems Engineering	100
19CCOC1301 - Automation Systems	100

Total % of Content Change	1250
Total number of courses in R2014R	19
Total number of courses in R2019	20
Average number of Programme Courses	19.5

% of Syllabus revision for the Programme	64.10