


III Year - I Semester

S.No.	Subjects	L	T	P	Credits
1	Computer Architecture and Organization	4	--	--	3
2	Linear IC Applications	4	--	--	3
3	Digital IC Applications	4	--	--	3
4	Digital Communications	4	--	--	3
5	Antenna and Wave Propagation	4	--	--	3
6	Pulse and Digital Circuits Lab	--	--	3	2
7	Linear IC Applications Lab	--	--	3	2
8	Digital IC Applications Lab	--	--	3	2
MC	Professional Ethics & Human Values	--	3	--	--
Total Credits					21

III Year - II Semester

S.No.	Subjects	L	T	P	Credits
1	Micro Processors & Micro Controllers	4	--	--	3
2	Micro Wave Engineering	4	--	--	3
3	VLSI Design	4	--	--	3
4	Digital Signal Processing	4	--	--	3
5	OPEN ELECTIVE 1. OOPs through Java 2. Data Mining 3. Industrial Robotics 4. Power Electronics 5. Bio-Medical Engineering 6. Artificial Neural Networks	4	--	--	3
6	Micro Processors & Micro Controllers Lab	--	--	3	2
7	VLSI Lab	--	--	3	2
8	Digital Communications Lab	--	--	3	2
MC	IPR & Patents	--	2	--	--
Total Credits					21


PRINCIPAL
SRINIVASA ENGINEERING COLLEGE
 Mammidi, West Godavari - 530 048

IV Year - I Semester

S.No.	Subjects	L	T	P	Credits
1	Radar Systems	4	--	--	3
2	Digital Image Processing	4	--	--	3
3	Computer Networks	4	--	--	3
4	Optical Communications	4	--	--	3
5	Elective I 1. TV Engineering 2. Electronic Switching Systems 3. System Design through Verilog	4	--	--	3
6	Elective II 1. Embedded Systems 2. Analog IC Design 3. Network Security & Cryptography	4	--	--	3
7	Micro Wave Engineering & Optical Lab	--	--	2	2
8	Digital Signal Processing Lab	--	--	2	2
Total Credits					22

IV Year - II Semester

S.No.	Subjects	L	T	P	Credits
1	Cellular Mobile Communications	4	--	--	3
2	Electronic Measurements and Instrumentation	4	--	--	3
3	Satellite Communications	4	--	--	3
4	Elective III 1. Wireless sensors & Networks 2. Digital IC Design 3. Operating Systems	4	--	--	3
5	Seminar	--	3	--	2
6	Project	--	--	--	10
Total Credits					24

Total Course Credits = 48+44 + 42 + 46 = 180

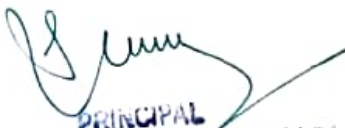

 PRINCIPAL
 CHARUMATI ENGINEERING COLLEGE
 Karamana, Mangalore-575001

III Year - I Semester

S. No.	Subjects	L	T	P	Credits
1	Compiler Design	4	--	--	3
2	Unix Programming	4	--	--	3
3	Object Oriented Analysis and Design using UML	4	--	--	3
4	Database Management Systems	4	--	--	3
5	Operating Systems	4	--	--	3
6	Unified Modeling Lab	--	--	3	2
7	Operating System & Linux Programming Lab	--	--	3	2
8	Database Management System Lab	--	--	3	2
MC	Professional Ethics & Human Values	--	3	--	--
Total Credits					21

III Year - II Semester

S. No.	Subjects	L	T	P	Credits
1	Computer Networks	4	2	--	3
2	Data Warehousing and Mining	4	--	--	3
3	Design and Analysis of Algorithms	4	--	--	3
4	Software Testing Methodologies	4	--	--	3
5	Open Elective: i. Artificial Intelligence ii. Internet of Things iii. Cyber Security iv. Digital Signal Processing v. Embedded Systems vi. Robotics	4	--	--	3
6	Network Programming Lab	--	--	3	2
7	Software Testing Lab	--	--	3	2
8	Data Warehousing and Mining Lab	--	--	3	2
9	IPR & Patents	--	2	--	--
Total Credits					21


 PRINCIPAL
 CHAITANYA ENGINEERING COLLEGE
 Kommadi, Madhapetnam-530 042

IV Year - I Semester

S. No.	Subjects	L	T	P	Credits
1	Cryptography and Network Security	4	--	--	3
2	Software Architecture & Design Patterns	4	--	--	3
3	Web Technologies	4	--	--	3
4- HS	Managerial Economics and Financial Analysis	4	--	--	3
5	Elective-I	4	--	--	3
	i. Big Data Analytics				
	ii. Information Retrieval Systems				
6	Elective-II	4	--	--	3
	i. Cloud Computing				
	ii. Software Project Management				
7	Software Architecture & Design Patterns Lab	--	--	3	2
8	Web Technologies Lab	--	--	3	2
Total Credits					22

IV Year - II Semester

S. No.	Subjects	L	T	P	Credits
1	Distributed Systems	4	--	--	3
2- HS	Management Science	4	--	--	3
3	Machine Learning	4	--	--	3
4	Elective-III	4	--	--	3
	i. Concurrent and Parallel Programming				
	ii. Artificial Neural Networks				
5	Seminar	--	3	--	2
6	Project	--	--	--	10
Total Credits					24

Total Course Credits = 48+44 + 42 + 46 = 180


 PRINCIPAL
 CHANNARA ENGINEERING COLLEGE
 Komurupeta, Visakhapatnam-530 022

III Year - I Semester

S. No	Subjects	L	T	P	Credits
1	Power Systems-II	4	--	--	3
2	Renewable Energy Sources	4	--	--	3
3	Signals and Systems	4	--	--	3
4	Pulse & Digital Circuits	4	--	--	3
5	Power Electronics	--	--	3	2
6	Electrical Machines-II Laboratory	--	--	3	2
7	Control Systems Laboratory	--	--	3	2
8	Electrical Measurements Laboratory	--	2	--	--
9-MC	IPR & Patents	--	--	--	21
Total Credits					

III Year - II Semester

S. No	Subjects	L	T	P	Credits
1	Power Electronic Controllers & Drives	4	--	--	3
2	Power System Analysis	4	--	--	3
3	Micro Processors and Micro controllers	4	--	--	3
4	Data Structures	4	--	--	3
5	Open Elective 1. Unix and Shell Programming 2. OOPS Through JAVA 3. VLSI Design 4. Robotics 5. Neural Networks & Fuzzy Logic 6. Energy Audit and Conservation & Management	4	--	--	3
6	Power Electronics Laboratory	--	--	3	2
7	Microprocessors & Microcontrollers Laboratory	--	--	3	2
8	Data Structures Laboratory	--	--	3	2
9-MC	Professional Ethics & Human Values	--	3	--	--
Total Credits					21



 PRINCIPAL
 CHANDRASEKHAR ENGINEERING COLLEGE
 Komurci, Visakhapatnam-530 048

IV Year – I Semester

S. No	Subjects	L	T	P	Credits
1	Utilization of Electrical Energy	4	--	--	3
2	Linear IC Applications	4	--	--	3
3	Power System Operation & Control	4	--	--	3
4	Switchgear and Protection	4	--	--	3
5	Elective – I: 1. Electrical Machine Modeling and Analysis 2. Advanced Control Systems 3. Programmable Logic Controllers & Applications 4. Instrumentation	4	--	--	3
6	Elective – II: 1. Optimization Techniques 2. Electric Power Quality 3. Special Electrical Machines	4	--	--	3
7	Electrical Simulation Laboratory	--	--	2	2
8	Power Systems & Simulation Laboratory	--	--	2	2
Total Credits					22

IV Year - II Semester

S. No	Subjects	L	T	P	Credits
1	Digital Control Systems	4	--	--	3
2	HVDC Transmission	4	--	--	3
3	Electrical Distribution Systems	4	--	--	3
4	Elective – III: 1. High Voltage Engineering 2. Flexible Alternating Current Transmission Systems 3. Power System Reforms	4	--	--	3
5	Seminar	--	3	--	2
6	Project	--	--	--	10
Total Credits					24

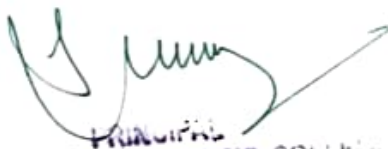

 PRINCIPAL
 CHAITANYA ENGINEERING COLLEGE
 Kommur, Visakhapatnam-530 048

III Year - I Semester

S. No.	Subjects	L	T	P	Credits
1	Management Science	4	--	--	3
2	Engineering Geology	4	--	--	3
3	Structural Analysis -II	4	--	--	3
4	Design & Drawing of Reinforced Concrete Structures	4	2	--	3
5	Transportation Engineering - II	4	--	--	3
6	Concrete Technology Lab	--	--	3	2
7	Geology Lab	--	--	3	2
8	Transportation Engineering Lab	--	--	3	2
Total Credits					21

III Year - II Semester

S. No.	Subjects	L	T	P	Credits
1	Design & Drawing of Steel Structures	4	2	--	3
2	Geotechnical Engineering - I	4	--	--	3
3	Environmental Engineering -I	4	--	--	3
4	Water Resource Engineering -I	4	--	--	3
5	OPEN ELECTIVE	4	--	--	3
	i. Electronic Instrumentation				
	ii. Data Base Management Systems				
	iii. Alternative Energy Sources				
	iv. Waste water Management				
	v. Fundamentals of Liquefied Natural Gas				
6	Geotechnical Engineering Lab	--	--	3	2
7	Environmental Engineering Lab	--	--	3	2
8	Computer Aided Engineering Lab	--	--	3	2
Total Credits					21


 PRINCIPAL
 CHAITANYA ENGINEERING COLLEGE
 Kommeti, Venkateswaram-530 048

IV Year - I Semester

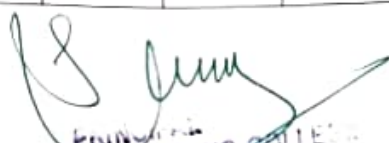
S. No.	Subjects	L	T	P	Credits
1	Environmental Engineering - II	4	--	--	3
2	Water Resource Engineering - II	4	--	--	3
3	Geotechnical Engineering - II	4	--	--	3
4	Remote Sensing & GIS Applications	4	--	--	3
5	Elective I	4	--	--	3
	i. Finite Element Methods				
	ii. Ground Improvement Techniques				
	iii. Air Pollution & Control				
	iv. Urban Hydrology				
v. Traffic Engineering					
6	Elective II	4	--	--	3
	i. Advanced Structural Engineering				
	ii. Advanced Foundation Engineering				
	iii. Environmental Impact Assessment & Management				
	iv. Ground Water Development				
v. Pavement Analysis and Design					
7	IPR & Patents	--	2	--	--
8	GIS & CAD Lab	--	--	2	2
9	Irrigation Design & Drawing	--	--	2	2
Total Credits					22

IV Year - II Semester

S. No.	Subjects	L	T	P	Credits
1	Estimation Specification & Contracts	4	--	--	3
2	Construction Technology & Management	4	--	--	3
3	Prestressed Concrete	4	--	--	3
4	Elective III	4	--	--	3
	i. Bridge Engineering				
	ii. Soil Dynamics and Foundations				
	iii. Solid and Hazardous Waste Management				
	iv. Water Resources Systems Planning				
v. Urban Transportation Planning Engg					
5	Seminar on Internship Project	--	3	--	2
6	Project	--	--	--	10
Total Credits					24

Total Course Credits = 48+44 + 42 + 46 = 180

SYLLABUS

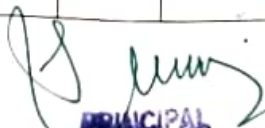

 CHAITANYA ENGINEERING COLLEGE
 Kommadi, Visakhapatnam-530 046

III Year - I Semester

S. No.	Subjects	L	T	P	Credits
1	Dynamics of Machinery	4	--	--	3
2	Metal Cutting & Machine Tools	4	--	--	3
3	Design of Machine Members-II	4	--	--	3
4	Operations Research	4	--	--	3
5	Thermal Engineering -II	4	--	--	3
6	Theory of Machines Lab	--	--	3	2
7	Machine Tools Lab	--	--	3	2
8	Thermal Engineering Lab	--	--	3	2
9	IPR & Patents	--	2	--	--
Total Credits					21

III YEAR - II Semester

S. No.	Subjects	L	T	P	Credits
1	Metrology	4	--	--	3
2	Instrumentation & Control Systems	4	--	--	3
3	Refrigeration & Air-conditioning	4	--	--	3
4	Heat Transfer	4	--	--	3
5	OPEN ELECTIVE 1. Entrepreneurship 2. Data Base Management System 3. Waste Water Management 4. Computer Graphics 5. Industrial Robotics 6. Green Engineering Systems	4	--	--	3
6	Heat Transfer Lab	--	--	3	2
7	Metrology & Instrumentation Lab	--	--	3	2
8	Computational Fluid Dynamics Lab	--	--	3	2
9MC	Professional Ethics & Human Values	--	3	--	--
Total Credits					21


PRINCIPAL
CHAITANYA ENGINEERING COLLEGE
 Guntur, Visakhapatnam-530 042

IV Year - I Semester

S. NO	Subjects	L	T	P	Credits
1	Mechatronics	4	--	--	3
2	CAD/CAM	4	--	--	3
3	Finite Element Methods	4	--	--	3
4	Power Plant Engineering	4	--	--	3
5	Elective I 1. Computational Fluid Dynamics 2. Condition Monitoring 3. Additive Manufacturing	4	--	--	3
6	Elective II 1. Advanced Materials 2. Design for Manufacture 3. Gas Dynamics & Jet Propulsion	4	--	--	3
7	CAD/CAM Lab	--	--	2	2
8	Mechatronics Lab	--	--	2	2
Total Credits					22

IV Year - II Semester

S. No.	Subjects	L	T	P	Credits
1	Production Planning and Control	4	--	--	3
T 2	Unconventional Machining Processes	4	--	--	3
3	Automobile Engineering	4	--	--	3
4	Elective III 1. Thermal Equipment Design 2. Non Destructive Evaluation 3. Quality and Reliability Engineering	4	--	--	3
5	Seminar	--	3	--	2
6	Project	--	--	--	10
Total Credits					24

Total Course Credits = 48+44 + 42 + 46 = 180



JNTUK

M.Tech (Machine Design) R19

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India


JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

I Semester

S.No.	Code	Subject	L	T	P	Credits
1	MD101	Advanced Mechanics of Solids	3	0	0	3
2	MD102	Mechanical Vibrations and Acoustics	3	0	0	3
3	Programme Elective – I MD 103	MD1031 Design of Modern Vehicle Systems	3	0	0	3
		MD 1032 Product Design				
		MD 1033 Geometric Modeling				
		MD 1034 Fracture Mechanics				
		MD 1035 Advanced Mechanisms				
4	Programme Elective – II MD 104	MD 1041 Non-Destructive Evaluation	3	0	0	3
		MD 1042 Robotics				
		MD 1043 Design for Manufacturing & Assembly				
		MD 1044 Multi Body Dynamics				
		MD 1045 Vision Systems and Image Processing				
5	MD105	Machine Dynamics Lab	0	0	4	2
6	MD106	Design Practice Lab-I	0	0	4	2
7	MD107	Research Methodology and IPR	2	0	0	2
8	MD108	Soft Skills	2	0	0	0
Total						18

II Semester

S.No.	Code	Subject	L	T	P	Credits
1	MD201	Advanced Finite Element Methods	3	0	0	3
2	MD202	Advanced Machine Design	3	0	0	3
3	Programme Elective – III MD 203	MD 2031 Theory of Plasticity	3	0	0	3
		MD 2032 Signal Analysis and Condition Monitoring				
		MD 2033 Computational Fluid Dynamics				
		MD 2034 Composite Materials				
		MD 2035 Soft Computing				
4	Programme Elective – IV MD 204	MD 2041 Experimental Techniques and data analysis	3	0	0	3
		MD 2042 Design with advanced Materials				
		MD 2043 Mechatronics				
		MD 2044 Tribology				
		MD 2045 Experimental Modal Analysis				
5	MD205	Computational Mathematics Lab	0	0	4	2
6	MD206	Design Practice Lab-II	0	0	4	2
7	MD207	Value Education	2	0	0	0
8	MD208	Mini Project with Seminar	0	0	4	2
Total						18


PRINCIPAL
CHAITANYA ENGINEERING COLLEGE
Kammasi, Westkapatnam-530 046



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

III Semester

S.No.	Code	Subject	L	T	P	Credits
1	Programme Elective – V* MD 301	MD 3011 Industrial Robotics	3	0	0	3
		MD 3012 Advanced Optimization Techniques				
		MD 3013 Additive Manufacturing				
		MD 3014 Mechanics of Composite Materials				
		MD 3015 Vehicle Dynamics				
2	Open Elective	1. Nano Technology 2. Optimization Techniques 3. Industrial Safety	3	0	0	3
3	Dissertation	Dissertation Phase -I	0	0	20	10
Total						16

* Students going for Industrial Project/ Thesis will complete programme elective and open elective courses through MOOCs

IV Semester

S.No.	Code	Subject	L	T	P	Credits
1	Dissertation	Dissertation Phase -II	0	0	32	16
Total						16

Courses offered by Mechanical Engineering Department to other departments as Open electives.

S.No.	Code	Subject	L	T	P	Credits
1	MD 3021	Industrial Robotics	3	0	0	3
2	MD 3022	Operations Research	3	0	0	3
3	MD 3023	Additive Manufacturing	3	0	0	3
4	MD 3024	Experimental Techniques and Data Analysis	3	0	0	3

I-SEMESTER

S.No	Course Code	Courses	Category	L	T	P	C
1	MTCSE1101	Program Core-1 Mathematical Foundations of Computer Science	PC	3	0	0	3
2	MTCSE1102	Program Core-2 Advanced Data Structures & Algorithms	PC	3	0	0	3
3	MTCSE1103	Program Elective-1 1. Big Data Analytics 2. Digital Image Processing 3. Advanced Operating Systems	PE	3	0	0	3
4	MTCSE1104	Program Elective-2 1. Advanced Computer Networks 2. Internet of Things 3. Object Oriented Software Engineering	PE	3	0	0	3
5	MTCSE1105	Research Methodology and IPR	CC			0	2
6	MTCSE1106	Laboratory-1 Advanced Data Structures & Algorithms Lab	LB	0	0	4	2
7	MTCSE1107	Laboratory-2 Advanced Computing Lab	LB	0	0	4	2
8	MTCSE1108	Audit Course-1*	AC	2	0	0	0
Total Credits							18

***Student has to choose any one audit course listed below.**


II SEMESTER

S.No	Course Code	Courses	Category	L	T	P	C
1	MTCSE1201	Program Core-3 Machine learning	PC	3	0	0	3
2	MTCSE1202	Program Core-4 MEAN Stack Technologies	PC	3	0	0	3
3	MTCSE1203	Program Elective-3 1. Advanced Databases and Mining 2. Ad Hoc & Sensor Networks 3. Soft Computing	PE	3	0	0	3
4	MTCSE1204	Program Elective-4 1. Cloud Computing 2. Principles of computer security 3. High Performance Computing	PE	3	0	0	3
5	MTCSE1205	Laboratory-3 Machine Learning with python lab	LB	0	0	4	2
6	MTCSE1206	Laboratory-4 MEAN Stack Technologies Lab	LB	0	0	4	2
7	MTCSE1207	Mini Project with Seminar	MP	2	0	0	2
8	MTCSE1208	Audit Course-2 *	AC	2	0	0	0
Total Credits							18

***Student has to choose any one audit course listed below.**

Audit Course 1 & 2:

- English for Research Paper Writing
- Disaster Management
- Sanskrit for Technical Knowledge
- Value Education
- Constitution of India
- Pedagogy Studies
- Stress Management by Yoga
- Personality Development through Life Enlightenment Skills


PRINCIPAL
 CHAITANYA ENGINEERING COLLEGE
 Kottur, West Godavari-530 045

III-SEMESTER

S.No	Course Code	Courses	Category	L	T	P	C	
1	MTCSE2101	Program Elective-5 1. Deep Learning 2. Social Network Analysis 3. MOOCs-1 (NPTEL/SWAYAM) 12 Week Program related to the programme which is not listed in the course structure	PE	3	0	0	3	
2	MTCSE2102	Open Elective 1. MOOCs-2 (NPTEL/SWAYAM)-Any 12 Week Course on Engineering/ Management/ Mathematics offered by other than parent department 2. Course offered by other departments in the college	OE	3	0	0	3	
3	MTCSE2103	Dissertation-I/ Industrial Project #	PJ	0	0	20	10	
Total Credits								16

#Students going for Industrial Project/Thesis will complete these courses through MOOCs

M. Tech. (CSE) IV SEMESTER								
S.No	Course Code	Courses	Category	L	T	P	C	
1	MTCSE2201	Dissertation-II	PJ	0	0	32	16	
Total Credits								16

Open Electives offered by the Department of CSE

1. **Python Programming**
2. **Principles of Cyber Security**
3. **Internet of Things**
4. **Machine Learning**
5. **Digital forensics**
6. **Next Generation Databases**


PRINCIPAL
CHAITANYA ENGINEERING COLLEGE
 Kamal, Khetpettam-530 046

I Semester

S. No.	Course Type/ Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1	Core 1	Digital System Design	3	0	0	3
2	Core 2	Digital Data Communications	3	0	0	3
3	Prog. Specific Elective	Elective I a) Transform Techniques b) VLSI Technology and Design c) Radar Signal Processing	3	0	0	3
4	Prog. Specific Elective	Elective II a) Statistical Signal Processing b) Optical Communication Technology c) Network Security & Cryptography	3	0	0	3
5	Lab 1	System Design Using Verilog HDL Lab	0	0	4	2
6	Lab2	Data Communications Lab	0	0	4	2
7		Research Methodology and IPR	2	0	0	2
8	Aud 1	Audit Course 1	2	0	0	0
Total			16	0	8	18

II Semester

S. No.	Course Type/ Code	Name of the Subject	Teaching Scheme			Credits
			L	T	P	
1	Core 3	Image and Video Processing System Design	3	0	0	3
2	Core 4	Wireless Communications and Networks	3	0	0	3
3	Prog. Specific Elective	Elective III a) CMOS Analog & Digital IC Design b) Advanced Computer Architecture c) Soft Computing Techniques	3	0	0	3
4	Prog. Specific Elective	Elective IV a) DSP Processors and Architectures b) EMI/ EMC c) Object Oriented Programming	3	0	0	3
5	Lab 1	Advanced Communications Lab	0	0	4	2
6	Lab2	Advanced Image processing Lab	0	0	4	2
7	MP	Mini Project(Seminar)	0	0	4	2
8	Aud 2	Audit Course 2	2	0	0	0
Total			14	0	12	18


PRINCIPAL
CHAITANYA ENGINEERING COLLEGE
 Kovvur, Machilipatnam-530 048


III Semester

S. No.	Course Type/Code	Subject	Teaching Scheme			Credits
			L	T	P	
1	Prog. Specific Elective	a) Detection & Estimation Theory b) Advanced Digital Signal Processing c) Coding Theory and Applications	3	0	0	3
2	Open Elective	a) Business Analytics b) Industrial Safety c) Operations Research d) Cost Management of Engineering Projects e) Composite Materials f) Waste to Energy	3	0	0	3
3	Dissertation	Dissertation Phase - I	0	0	20	10
Total			6	0	20	16

IV Semester

S. No.	Course Code	Subject	Teaching Scheme			Credits
			L	T	P	
1	Dissertation	Dissertation Phase - II	--	--	32	16
Total Credits			--	--	32	16

Total Credits: 18+18+16+16 = 68


PRINCIPAL
JAYANTA ENGINEERING COLLEGE
 Korum, West Medinipur-751 048



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA - 533 003, Andhra Pradesh, India

I - Semester

S.No	Course Name	Category	L	T	P	C	Marks	
1	Theory of Elasticity	Core	3	0	--	3	100	
2	Structural Dynamics	Core	3	0	--	3	100	
3	Elective I	Elective	3	0	--	3	100	
	a) Matrix Analysis of Structures							
	b) Analytical & Numerical Methods for Structural Engineering							
	c) Design of RCC Foundations							
4	Program Elective II	Elective	3	0	--	3	100	
	a) Bridge Engineering							
	b) Repair and Rehabilitation of Structures							
	c) Advanced Reinforced Concrete Design							
5	Advanced Concrete Technology		2	0	0	2	100	
6	Advanced Concrete Technology Laboratory	Lab	-	--	4	2	100	
7	Advanced Structural Engineering Laboratory	Lab	-	--	4	2	100	
8	Audit Course -1	Audit	2	0	0	0		
Total Credits /Marks							18	700

II - Semester

S.No.	Course Name	Category	L	T	P	C	Marks	
1	Finite Element Methods in Structural Engineering	Core	3	0	--	3	100	
2	Theory of Plates and Shells	Core	3	0	--	3	100	
3	Elective III	Elective	3	0	--	3	100	
	a) Stability of Structures							
	b) Advanced Steel Design							
	c) Analysis of Offshore Structures							
4	Elective IV	Elective	3	0	--	3	100	
	a) Earthquake Resistant Design of Buildings							
	b) Precast and Prefabricated Structures							
	c) Earth Retaining Structures							
5	Computer Aided Design Laboratory		--	--	4	2	100	
6	Structural Design laboratory	Lab	--	--	4	2	100	
7	Mini Project With Seminar		0	0	4	2	100	
8	Audit Course -2	Audit	2	0	0	0		
Total Credits / Marks							18	700


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III – Semester

S.No.	Course Name	Category	L	T	P	C	Marks	
1	Elective 5: Program Elective /MOOCS	Elective	3	0	--	3	100	
	a) Design of Prestressed Concrete structures							
	b) Structural Health Monitoring							
	c) Industrial Structures							
2	Open Elective / MOOCS	Elective	3	0	--	3	100	
3	Dissertation Phase-I / Industrial Project (To be continued and Evaluated next Semester)*		--	--	20	10		
Total Credits / Marks							16	200

* Evaluated and displayed in 4th Semester marks list

** Students Going for Industrial Project / Thesis will complete these courses through MOOCS

IV - Semester

Sl No.	Course Name	Category	L	T	P	C	Marks	
1	Project / Dissertation Phase II (Continued from III Semester)		0	0	32	16	100	
Total Credits / Marks							16	100

Audit course 1 & 2

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by Yoga
8. Personality Development through Life Enlightenment Skills.


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