



NOTICE FOR ELECTIVE SUBJECTS



ARYA College of Engg. & Research Centre

(Affiliated to Rajasthan Technical University, Kota)

• S.P.- 40, Kukas Industrial Area (RIICO) Jaipur - 302028

• Ph : 0141-5148801, 5148802, 5148803

• Approved by AICTE, New Delhi

• Website : www.acerc.org

• Fax : 01426-510040

Ref: ACERC/EE/2017/ODD/

Date: 21/06/2017

NOTICE

As per the RTU scheme the department is offering the elective courses for the session 2017-18 as follows –

V-Sem – 1) Optimisation Techniques 5EE6.1A

2) Principle of Communication Systems 5EE6.2A

3) Introduction to VLSI 5EE6.3A

VII-Sem – 1) Electromagnetic Field Theory 7EE6.1A

2) Computer Aided Design of Electrical Machines 7EE6.2A

3) Economic Operation of Power Systems 7EE6.3A

All the students are advised to fill their choices for elective courses in the format available with class teacher and class representative latest by 27/06/2017.

Further, class teacher is requested to submit the format to the undersigned.



CC – 1) Principal,

2) Class teacher

3) Notice board (Department)



GUIDELINES FOR ELECTIVE COURSES



Guidelines for elective courses

- Electives must be from the RTU scheme.
- Elective form must industrial oriented.
- Student must fill the one choice in the prescribed format.
- Elective will be decided on the basis of majority.
- Subjects having less than the 10% choices of total student will not be opted.
- Students are advised to discuss their choices of elective components with their Mentor.
- Finalization of elective courses is subjected to the approval by the department academic committee.





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ACCEPTANCE LIST



Acceptance List of Elective courses

VII – SEM						
S. N O.	Roll No.	Name of students	Elective courses			Remarks
			Electromagnetic Field Theory7 EE6.1A	Computer Aided Design of Electrical Machines 7EE6.2A	Economic Operation of Power Systems 7EE6.3A	
1	14EAYEE001	Abhinandan kumar			✓	
2	14EAYEE002	AADITYA SHARMA			✓	
3	14EAYEE003	AJAY AANAD			✓	
4	14EAYEE004	AJAY SAINI		✓		
5	14EAYEE005	Akashay sahni			✓	
6	14EAYEE006	Akshat saroj		✓		
7	14EAYEE007	AmiT nigam			✓	
8	14EAYEE008	Ankit pareek			✓	
9	14EAYEE009	Arjun singh tomar			✓	
10	14EAYEE010	Arvind kumar	✓			
11	14EAYEE011	Ashish meena		✓		
12	14EAYEE012	ASUTUSH KUMAR			✓	
13	14EAYEE013	Ayush rai			✓	
14	14EAYEE014	Balram saini	✓			
15	14EAYEE015	BHARAT VAISHANAV			Yes	
16	14EAYEE016	Champawat Krishnapal			✓	
7	14EAYEE017	Chandan kumar raj		✓		
8	14EAYEE018	Dablu kumar			✓	
9	14EAYEE001	Abhinandan kumar			✓	
10	14EAYEE002	AADITYA SHARMA			✓	
	14EAYEE003	AJAY AANAD			✓	
	14EAYEE004	AJAY SAINI			✓	
	14EAYEE005	Akashay sahni	✓			
	14EAYEE006	Akshat saroj			✓	





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25	14EAYEE007	Amit kumar nigam			✓	
26	14EAYEE008	Ankit pareek	✓			
27	14EAYEE009	Arjun singh tomar			✓	
28	14EAYEE010	Arvind kumar	✓			
29	14EAYEE011	Ashish meena		✓		
34	14EAYEE012	ASUTUSH KUMAR			✓	
35	14EAYEE013	Ayush rai			✓	
36	14EAYEE014	Balram saini			✓	





NOTICE FOR FINALISATION OF SUBJECT



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Ref: ACERC/EE/2017/ODD/

Date: 29/06/2017

NOTICE

This is to inform to all the fifth and seventh semester students that as per choices received, for the elective courses for the session 2017-18, majority of the students have opted for following course as elective.

V-Sem – 1) Principle of Communication Systems 5EE6.2A

VII-Sem – 1) Economic Operation of Power Systems 7EE6.3A

The department has decided to opt these courses as elective courses for the session 2017-18 .


HOD - EE

- CC – 1) Principal,
2) Notice Board (Department)
3) Class teacher



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NOTICE FOR CBCS



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Ref.: ACERC/Academic Committee/2018-19/

Date: 17th July, 2018

NOTICE

CHOICE BASED CREDIT SYSTEM

All the HODs and members of academic committee are hereby informed that a meeting regarding **Choice Based Credit System** will be held on 20th Jul, 2018 at board room. All of you are requested to attend the meeting on scheduled date. Following agenda will be discussed in the meeting.

Agenda for the meeting:

1. Flexible Credit System
2. Syllabus and Program Structure
3. Course plan

CC:

1. To all Principal
2. To all HODs


Academic Committee
(Head)
KUKAS
ARYA COLLEGE OF ENGG. & RESEARCH CENTRE



The following tables shows the final scheme of all the programs as per the Rajasthan Technical University curriculum

B.Tech.: Civil Engineering 3rd Year – V & VI Semester

BRANCH CODE	Civil Engineering	CE					
		Hrs. / Week					
SEMESTER - V	Title	L	T	P	IA	Exam	Total
5CE1A	Theory of Structures-I	3	1	0	20	80	100
5CE2A	Environmental Engineering-I	3		0	20	80	100
5CE3A	Geotechnical Engineering-I	3	1	0	20	80	100
5CE4A	Surveying-II	3		0	20	80	100
5CE5A	Building Design	3		0	20	80	100
5CE6.1A	Ground Improvement Techniques	3		0	20	80	100
5CE6.2A	Advanced Concrete Technology						
5CE6.3A	Solid Waste Management						
	Total	18	2				600
5CE7A	Environmental Engineering Lab-I	0	0	2	45	30	75
5CE8A	Geotechnical Engineering Lab-I	0	0	2	45	30	75
5CE9A	Surveying Lab-II	0	0	3	45	30	75
5CE10A	Computer Aided Building Design	0	0	3	45	30	75
5CE11A	Structural Engineering Lab	0	0	2	30	20	50
5CEDC	Discipline & Extra Curricular Activity						50
	Total						400
	Grand Total	18	2	12			1000

BRANCH CODE	Civil Engineering	CE					
		Hrs. / Week					
SEMESTER - VI	Title	L	T	P	IA	Exam	Total
6CE1A	Theory of Structures-II	3	1	0	20	80	100
6CE2A	Geotechnical Engineering-II	3	1	0	20	80	100
6CE3A	Environmental Engineering-II	3		0	20	80	100
6CE4A	Design of Concrete Structures-I	3		0	20	80	100
6CE5A	Transportation Engineering-I	3	1	0	20	80	100
6CE6.1A	Remote Sensing & GIS	3		0	20	80	100
6CE6.2A	Rock Mechanics						
6CE6.3A	Repair & Rehabilitation of Structures						
	Total	18	3				600
6CE7A	Geotechnical Engineering Lab-II	0	0	2	45	30	75
6CE8A	Environmental Engineering Lab-II	0	0	2	45	30	75
6CE9A	Concrete Structures Design-I	0	0	3	60	40	100
6CE10A	Road Material Testing Lab	0	0	2	60	40	100
6CEDC	Discipline & Extra Curricular Activity						50
	Total						400
	Grand Total	18	3	9			1000



B.Tech.: Civil Engineering 4th Year – VII & VIII Semester

BRANCH CODE	Civil Engineering	CE					
		Hrs. / Week					
SEMESTER – VII	Title	L	T	P	IA	Exam	Total
7CE1A	Water Resource Engineering-I	3		0	20	80	100
7CE2A	Design of Steel Structures-I	3		0	20	80	100
7CE3A	Design of Concrete Structures-II	3		0	20	80	100
7CE4A	Transportation Engineering-II	3		0	20	80	100
7CE5A	Application of Numerical Methods in Civil Engineering	3		0	20	80	100
7CE6.1A	Advance Transportation Engineering	3		0	20	80	100
7CE6.2A	Design of Prestress Concrete Structures						
7CE6.3A	Rural Water Supply & Sanitation						
	Total	18					600
7CE7A	Design of Water Resource Structures-I			2	30	20	50
7CE8A	Steel Structures Design-I	0	0	3	30	20	50
7CE9A	Concrete Structures Design-II			3	30	20	50
7CE10A	Application of Numerical Methods in Civil Engineering Lab	0	0	3	30	20	50
7CETR	Practical Training & Industrial Visit			2		100	100
7CEPR	Project-I			2	50		50
7CEDC	Discipline & Extra Curricular Activity						50
	Total						400
	Grand Total	18	0	15			1000

BRANCH CODE	Civil Engineering	CE					
		Hrs. / Week					
SEMESTER - VIII	1	L	T	P	IA	Exam	Total
8CE1A	Water Resource Engineering-II	3		0	20	80	100
8CE2A	Design of Steel Structures-II	3		0	20	80	100
8CE3A	Project Planning & Construction Management	3		0	20	80	100
8CE4.1A	Bridge Engineering	3		0	20	80	100
8CE4.2A	Advance Foundation Engineering						
8CE4.3A	Earthquake Resistant Construction & Design						
	Total	12					400
8CE5A	Design of Water Resource Structures-II	0	0	3	30	20	50
8CE6A	Professional Practice & Estimating	0	0	3	30	20	50
8CE7A	Steel Structures Design-II			3	30	20	50
8CE8A	Design of Foundations			2	30	20	50
8CE9A	Structural Analysis by Matrix Methods	0	0	2	30	20	50
8CESM	Seminar	0	0	2	60	40	100
8CEPR	Project-II	0	0	2	120	80	200
8CEDC	Discipline & Extra Curricular Activity						50
	Total						600
	Grand Total	12	0	17			1000



B.Tech. : Computer Science & Engineering 3rd Year – V & VI Semester

V	Computer Science and Engineering	Teaching Hrs			Ex m Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
5CS1A	Computer Architecture	3			3	20	80	100	CS, IT
5CS2A	Digital Logic Design	3	-		3	20	80	100	
5CS3A	Telecommunication Fundamentals	3	-	-	3	20	80	100	CS, IT
5CS4A	Database Management Systems	3			3	20	80	100	CS, IT
5CS5A	Operating Systems	3	-		3	20	80	100	CS, IT
5CS6.1A	Advanced Data Structure	3	-		3	20	80	100	CS, IT
5CS6.2A	Digital Signal Processing								CS, IT
5CS6.3A	Information Theory & Coding								CS, IT
5CS7A	DataBase Lab			3		60	40	100	CS, IT
5CS8A	System Design in UML Lab.	-	-	3		45	30	75	
5CS9A	Operating Systems Simulation Lab			3		60	40	100	CS, IT
5CS10	Digital Hardware Design Lab			3		45	30	75	CS, IT
5CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	

VI	Computer Science and Engineering	Teaching Hrs			Ex m Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
6CS1A	Computer Networks	3	-		3	20	80	100	CS, IT
6CS2A	Design and Analysis of Algorithms	3	-		3	20	80	100	CS, IT
6CS3A	Theory Of Computation	3			3	20	80	100	CS, IT
6CS4A	Computer Graphics and Multimedia Techniques	3			3	20	80	100	
6CS5A	Embedded System Design	3	-		3	20	80	100	
6CS6.1A	Advance Topics in Operating		-						CS, IT



	Systems	3			3	20	80	100	
6CS6.2A	Artificial Intelligence								
6CS6.3A	Human Computer Interface								CS, IT
6CS7A	Java Programming Lab			3		45	30	75	CS, IT
6CS8A	Computer Graphics & Multimedia Lab			2		30	20	50	
6CS9A	Design and Analysis of Algorithms Lab.			3		60	40	100	CS, IT
6CS10A	Embedded System Design Lab.			2		45	30	75	
6CS11A	Humanities and Social Sciences			2		30	20	50	CS, IT
6CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	

B.Tech. : Computer Science & Engineering 4thYear – VII & VIII Semester

Sem- VII	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
7CS1A	Cloud Computing	3	-		3	20	80	100	
7CS2A	Information System Security	3			3	20	80	100	CS, IT
7CS3A	Data Mining & Ware Housing	3			3	20	80	100	CS, IT
7CS4A	Computer Aided Design for VLSI	3	-		3	20	80	100	
7CS5A	Compiler Construction	3			3	20	80	100	
7CS6.1A	Advance DataBase Management Systems								
7CS6.2A	Robotics	3			3	20	80	100	
7CS6.3A	Data Compression Techniques								
7CS7A	Web Development Lab			2		30	20	50	
7CS8A	VLSI Physical Design Lab			3		45	30	75	
7CS9A	Compiler Design Lab			3		45	30	75	
7CSPR	Project-I			2		50		50	CS, IT
7CSTR	Practical Training*			2			100	100	CS, IT
7CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	



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Sem- VIII	Computer Science and Engineering	Teaching Hrs			Exm Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
8CS1A	Mobile Computing	3			3	20	80	100	CS, IT
8CS2A	Digital Image Processing	3	-		3	20	80	100	CS, IT
8CS3A	Distributed Systems	3			3	20	80	100	
8CS4.1A	Hardware Testing & Fault Tolerance		1						CS, IT
8CS4.2A	Real Time Systems	3			3	20	80	100	CS, IT
8CS4.3A	Information Retrieval								CS, IT
8CS5A	Unix Network Programming & Simulation Lab			3		60	40	100	
8CS6A	FPGA Lab.			3		60	40	100	
8CS7A	Digital Image Processing lab			2		30	20	50	CS, IT
8CSPR	Project-II			2		120	80	200	CS, IT
8CSSM	Seminar			2		60	40	100	CS, IT
8CSDC	Discipline & Extra Curricular Activities							50	CS, IT
		12	0	12				1000	



B.Tech. : Electrical Engineering 3rd Year – V & VI Semester

SEMESTER V	Title	Hrs. / Week			IA	Exam	Total
Subject Code		L	T	P			
5EE1A	Power Electronics	3	1	Theory Subjects	20	80	100
5EE2A	Microprocessors & Computer Architecture	3			20	80	100
5EE3A	Control Systems	3	1		20	80	100
5EE4A	Data Base Management System	3			20	80	100
5EE5A	Transmission & Distribution of Electrical Power	3	1		20	80	100
5EE6.1A	Optimisation Techniques	3	1		20	80	100
5EE6.2A	Principle of Communication Systems						
5EE6.3A	Introduction to VLSI						
5EE7A	Power Electronics Lab	Practical laboratory courses			2	45	75
5EE8A	Microprocessor Lab				2	45	75
5EE9A	System Programming Lab				2	45	75
5EE10A	DBMS Lab				2	45	75
5EE11A	Professional Ethics and Disaster Management				2	30	20
5EEDC	Discipline & Extra Curricular Activity						50
	Total	18	3	10			1000



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SEMESTER VI		Hrs. / Week			IA	Exam	Total
Subject Code	Title	L	T	P			
6EE1A	Modern Control Theory	3	1	Theory Subjects	20	80	100
6EE2A	High Voltage Engineering	3			20	80	100
6EE3A	Switchgear & Protection	3	1		20	80	100
6EE4A	Advanced Power Electronics	3	1		20	80	100
6EE5A	Smart Grid Technology	3			20	80	100
6EE6.1A	Advanced Microprocessors	3	1		20	80	100
6EE6.2A	Power System Instrumentation						
6EE6.3A	Digital Communication and Information Theory						
6EE7A	Control System Lab	Practical laboratory courses		2	45	30	75
6EE8A	Power System Lab			2	45	30	75
6EE9A	Advanced Power Electronics Lab			2	45	30	75
6EE10A	Smart Grid Lab			2	45	30	75
6EE11A	Entrepreneurship Development			2	30	20	50
6EEDC	Discipline & Extra Curricular Activity						50
	Total	18	3	10			1000



B. Tech.: Electrical Engineering 4th Year – VII & VIII Semester

Course	Electrical Engineering					Code	EE
SEMESTER VII	7	Hrs. / Week			IA	Exam	Total
Subject Code	Title	L	T	P			
7EE1A	Power System Planning	3			20	80	100
7EE2A	Power System Analysis	3	1		20	80	100
7EE3A	Artificial Intelligence Techniques	3			20	80	100
7EE4A	NonConventional Energy Sources	3			20	80	100
7EE5A	Power System Engineering	3	1		20	80	100
7EE6.1A	Electromagnetic Field Theory	3	1	Theory Subjects	20	80	100
7EE6.2A	Computer Aided Design of Electrical Machines						
7EE6.3A	Economic Operation of Power Systems						
7EE7A	Power System Planning Lab	Practical or Laboratory		2	45	30	75
7EE8A	Power System Modelling & Simulation Lab			2	45	30	75
7EE9A	Industrial Economics & Management			2	30	20	50
7EETR	Practical Training & Industrial visit			2		100	100
7EEPR	Project-1			2	50		50
7EEDC	Discipline &Extra Curricular Activity						50
	Total	18	2	10			1000

SEMESTER VIII	8	Hrs. / Week			IA	Exam	Total
Subject Code	Title	L	T	P			
8EE1A	EHV AC/DC Transmission	3	1	Theory Subjects	20	80	100
8EE2A	Electric Drives and Their Control	3	1		20	80	100
8EE3A	Protection of Power System	3			20	80	100
8EE4.1A	Utilization of Electrical Power	3			20	80	100
8EE4.2A	FACTS Devices & Their Applications						
8EE4.3A	Power System Transients						
8EE5A	Computer Based Power System Lab	Practical or Laboratory		3	60	40	100
8EE6A	Electrical Drives and Control Lab			3	60	40	100
8EE7A	High Voltage Engineering Lab			2			50
8EEPR	Project-2			2	120	80	200
8EESM	Seminar			2	60	40	100
8EEDC	Discipline &Extra Curricular Activity						50
	Total	12	2	12			1000



B. Tech.: Electronic and communication Engineering 4th Year – VII Semester

BRANCH CODE	EC						
Course Code	ELECTRONICS AND COMMUNICATION ENGG	Hrs. / Week					
SEMESTER – VII		L	T	P	IA	Exam	Total
7EC1A	Antenna & Wave Propagation	3	0		20	80	100
7EC2A	Digital Signal Processing	3	1		20	80	100
7EC3A	Digital Image Processing	3	1		20	80	100
7EC4A	Wireless Communication	3	0		20	80	100
7EC5A	VLSI Design	3	0		20	80	100
7EC6A	Elective (any one of the following)						
7EC6.1A	Advanced Microprocessors	3	0		20	80	100
7EC6.2A	Artificial Intelligence and Expert Systems						
7EC6.3A	VHDL						
	Total						600
7EC7A	Signal & Image Processing Lab			3	60	40	100
7EC8A	Wireless Communication Lab			3	60	40	100
7EC9A	Practical Training & Industrial Visit			2	60	40	100
7EC10A	Project-I			2	50		50
7ECDCA	Discipline & Extra Curricular Activity						50
	Total						400
	Grand Total	18	2	10			1000



B.Tech. : Civil Engineering 2nd Year - III Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3CE2-01	Advance Engineering Mathematics -I	3	0	0	3	30	120	150	3
2	HSMC	3CE1-02/ 3CE1-03	Technical Communication /Managerial Economics & Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	3CE3-04	Engineering Mechanics	2	0	0	2	20	80	100	2
4	PCC	3CE4-05	Surveying	3	0	0	3	30	120	150	3
5		3CE4-06	Fluid Mechanics	2	0	0	2	20	80	100	2
6		3CE4-07	Building Materials and Construction	3	0	0	3	30	120	150	3
7		3CE4-08	Engineering Geology	2	0	0	2	20	80	100	2
			Sub Total	17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
8	PCC	3CE4-21	Surveying Lab	0	0	3		45	30	75	1.5
9		3CE4-22	Fluid Mechanics Lab	0	0	2		30	20	50	1
10		3CE4-23	Computer Aided Civil Engineering Drawing	0	0	3		45	30	75	1.5
11		3CE4-24	Civil Engineering Materials Lab	0	0	2		30	20	50	1
12		3CE4-25	Geology Lab	0	0	2		30	20	50	1
13	PSIT	3CE7-30	Industrial Training	0	0	1		30	20	50	1
14	SODE CA	3CE8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	25	25	0.5
			Sub- Total	0	0	13		210	165	375	7.5
			TOTAL OF III SEMESTER	17	0	13		380	845	1225	24.5



B.Tech. : Computer Science & Engineering 2nd Year - IV Semester

THEORY

THEORY											
SN	Categ ory	Course		Contact hrs/week			Marks				Cr
		Code	Title				L	T	P	Exm Hrs	
1	BSC	4CS2-01	Discrete Mathematics Structure	3	0	0	3	30	120	150	3
2	HSMC	4CS1-03/ 4CS1-02	Managerial Economics and Financial Accounting /Technical Communication	2	0	0	2	20	80	100	2
3	ESC	4CS3-04	Microprocessor & Interfaces	3	0	0	3	30	120	150	3
4	PCC	4CS4-05	Database Management System	3	0	0	3	30	120	150	3
5		4CS4-06	Theory of Computation	3	0	0	3	30	120	150	3
6		4CS4-07	Data Communication and Computer Networks	3	0	0	3	30	120	150	3
		Sub Total		17	0	0		170	680	850	17

PRACTICAL & SESSIONAL

7	PCC	4CS4-21	Microprocessor & Interfaces Lab	0	0	2		30	20	50	1
8		4CS4-22	Database Management System Lab	0	0	3		45	30	75	1.5
9		4CS4-23	Network Programming Lab	0	0	3		45	30	75	1.5
10		4CS4-24	Linux Shell Programming Lab	0	0	2		30	20	50	1
11		4CS4-25	Java Lab	0	0	2		30	20	50	1
12	SODE CA	4CS8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
Sub- Total				0	0	12		180	120	325	6.5
TOTAL OF IV SEMEESTER				17	0	12		350	800	1175	23.5



B.Tech. : Electrical Engineering

2nd Year - IV Semester

THEORY											
SN	Categ ory	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	4EE2-01	Biology	2	0	0	2	20	80	100	2
2	HSMC	4EE1-02/ 4EE1-03	Technical Communication / Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	4EE3-04	Electronic Measurement & Instrumentation	2	0	0	2	20	80	100	2
4	PCC	4EE4-05	Electrical Machine - II	3	0	0	3	30	120	150	3
5		4EE4-06	Power Electronics	3	0	0	3	30	120	150	3
6		4EE4-07	Signals & Systems	3	0	0	3	30	120	150	3
7		4EE4-08	Digital Electronics	2	0	0	2	20	80	100	2
		Sub Total		17	0	0		170	680	850	17
PRACTICAL & SESSIONAL											
8	PCC	4EE4-21	Electrical Machine - II Lab	0	0	4		60	40	100	2
9		4EE4-22	Power Electronics Lab	0	0	4		60	40	100	2
10		4EE4-23	Digital Electronics Lab	0	0	2		30	20	50	1
11		4EE3-24	Measurement Lab	0	0	2		30	20	50	1
13	SODE CA	4EE8-00	Social Outreach, Discipline & Extra Curricular Activities							25	0.5
		Sub- Total		0	0	12		180	120	325	6.5
		TOTAL OF IV SEMEESTER		17	0	12		350	800	1175	23.5



B. Tech.: Electrical Engineering 3rd Year – VI Semester

THEORY

SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	ESC	6EE3-01	Computer Architecture	2	0	0	2	20	80	100	2
2	PCC/PEC	6EE4-02	Power System - II	3	0	0	3	30	120	150	3
3		6EE4-03	Power System Protection	3	0	0	3	30	120	150	3
4		6EE4-04	Electrical Energy Conversion and Auditing	3	0	0	3	120	120	150	3
5		6EE4-05	Electric Drives	3	0	0	3	30	120	150	3
6		Professional Elective II (any one)		3	0	0	3	30	120	150	3
		6EE5-11	Power System Planning.								
		6EE5-12	Digital Signal Processing.								
		6EE5-13	Electrical and Hybrid Vehicles.								
		Sub Total		17	0	0	17	260	680	850	17

PRACTICAL & SESSIONAL

7	PCC	6EE4-21	Power System - II Lab	0	0	4	3	60	40	100	2
8		6EE4-22	Electric Drives Lab	0	0	4	3	60	40	100	2
9		6EE4-23	Power System Protection Lab	0	0	2	2	30	20	50	1
10		6EE4-24	Modelling and simulation lab	0	0	2	2	30	20	50	1
11	SODE CA	6EE8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0			25	25	0.5
		Sub- Total		0	0	12		180	145	325	6.5
		TOTAL OF VI SEMESTER		17	0	12		350	825	1175	23.5



M.Tech. (Structural Engineering) : Civil Engineering Department

SUBJECT/ SEMESTER	Teaching Hrs/week		Examination Scheme		
	L	T/P	Max. Marks		Total Marks
			Theory	Sessional	
FIRST SEMESTER					
MSE101 : Advanced Structural Analysis	3	1	100	25	125
MSE102 : Numerical Methods & Analysis	3	1	100	25	125
MSE103 : Advanced Design of Concrete Structures	3	1	100	25	125
MSE104 : Advanced Design of Steel Structures	3	1	100	25	125
MSE105 : Computer Aided Design Lab	-	3	40	60	125
TOTAL	12	07	440	160	600
SECOND SEMESTER					
MSE201 : Structural Dynamics	3	1	100	25	125
MSE202 : Advanced Strength of Materials	3	1	100	25	125
MSE203 : Advanced Concrete Technology	3	1	100	25	125
MSE204 : Elective-I	3	1	100	25	125
MSE205 : Material Testing, Experimental Methods & Quality Control	-	3	40	60	100
TOTAL	12	07	440	160	600
THIRD SEMESTER					
MSE301 : Finite Element Analysis	3	1	100	25	125
MSE302 : Elective-II	3	1	100	25	125
MSE303 : Seminar	-	4	60	90	150
MSE304 : Dissertation Part I	-	4	-	100	100
TOTAL	06	10	260	240	500
FOURTH SEMESTER					
MSE404 : Dissertation Part II	-	16	-	500	500
TOTAL	-	16	-	500	500
GRAND TOTAL	30	40	1170	1030	2200

List of Electives & Detailed Syllabus are Enclosed.

LIST OF ELECTIVES

MSE204: ELECTIVE – I

MSE204.1: Theory of Elasticity and Plasticity

MSE204.2: Earthquake Engineering

MSE204.3: Analysis & Design of Bridge Superstructure

MSE302: ELECTIVE – II

MSE302.1: Repair and Rehabilitation of Structures

MSE302.2: Advanced Foundation Design

MSE302.3: Tall Buildings



Master of Business Administration

IV Semester MBA

Code No.	Name of Subject	Number of Hours per week	Marks		
			Internal/Minimum Pass Marks	External/Minimum Pass Marks	Total
Compulsory Subjects					
M-401	Business Ethics and Ethos	4	30/12	70/28	100
M-402	Project Management	4	30/12	70/28	100
M-403	Business Laws	4	30/12	70/28	100
M-404	Project Study*	4		200/100	200
Optional Subjects					
Three subject (2Major & 1 Minor) from the groups given below. For example a Finance major & Marketing minor student will have to opt M-405, 406 and any one from M-407, 408.		4	30/12	70/28	100
		4	30/12	70/28	100
		4	30/12	70/28	100
Total		28	180	620	800

* Paper M-404 is a paper on project study. The project is real life short term corporate study. The candidate will be allotted the project by the faculty of the institute in consultation with the director/principal of the institute. There will be external examiner to be selected by the Director/Principal of the institute from the panel of examiners, proposed by BOS and approved by Vice Chancellor. The concerned institute will bear the traveling, remuneration, DA and other incidental expenditure of external examiner with recourse to RTU.

List of Optional Groups for MBA (Third & Fourth Semester)

Group A [FINANCE]

M-303	Security Analysis & Portfolio Management
M-304	International Financial Management
M-305	Management of Financial Services
M-306	Finance for strategic decisions
M-405	Financial Derivatives
M-406	Banking Services Operation

Group B [MARKETING]

M-307	Advertising Management
M-308	International Marketing
M-309	Sales & Distribution Management
M-310	Product & Brand Management
M-407	Consumer Behavior & Market Research
M-408	Marketing of Services

Group C [HUMAN RESOURCE MANAGEMENT]

M-311	Training & Development
M-312	Strategic Human Resource Management
M-313	Leadership Skills & Change Management
M-314	Human Resource Planning
M-409	Employment Laws
M-410	Performance Management & Retention Strategies



Group D [PRODUCTION AND OPERATION MANAGEMENT]

M-315	Material Management
M-316	Total Quality Management
M-317	Production Planning & Control
M-318	Operations Research
M-411	Logistics Management
M-412	Service Operations Management

Group E [INFORMATION TECHNOLOGY MANAGEMENT]

M-323	Business Process Re-engineering
M-324	System Analysis and Design
M-325	Strategic Management of Information Technology
M-326	Data Base Management
M-415	Management Support System
M-416	E-Business

Group F [TOURISM AND HOTEL MANAGEMENT]

M-331	Introduction to tourism
M-332	Airlines Management
M-333	Management of Travel agency and Tour management
M-334	Legal and regulatory Framework of tourism.
M-419	Hotel Management
M-420	Field study and project report: Event and conference management.