



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of IV B.Tech [R13,R10,R07] I Semester Regular/Supply Examinations NOV-2016
College: BHIMAVARAM INST. OF ENGG. & TECH. PENNADA, BHIMAVARAM:AP

Htno	Subcode	Subname	Internal	External	credits
09AP1A0206	N0221	NEURAL NETWORK AND FUZZY LOGIC	15	21	0
09AP1A0228	M0224	HVDC TRANSMISSION	11	23	0
09AP1A0228	M0228	ELECTRICAL DISTRIBUTION SYSTEMS	10	21	0
10AP1A0243	R41022	HIGH VOLTAGE ENGINEERING	15	0	0
10AP1A0243	R41023	SWITCH GEAR & PROTECTION	15	31	4
10AP1A0243	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	13	9	0
10AP1A0462	R41041	OPTICAL COMMUNICATIONS	22	0	0
10MU1A0511	R41052	UML & DESIGN PATTERNS	7	-1	0
10MU1A0511	R4105B	SOFTWARE PROJECT MANAGEMENT	14	-1	0
11AP1A0119	R41016	GROUND IMPROVEMENT TECHNIQUES	13	6	0
11AP1A0201	R41026	INSTRUMENTATION	19	15	0
11AP1A0303	R41033	ALTERNATIVE SOURCES OF ENERGY	9	18	0
11AP1A0303	R41035	MEMS	8	26	0
11AP1A0422	R41041	OPTICAL COMMUNICATIONS	18	13	0
11AP1A0426	R41043	DIGITAL IMAGE PROCESSING	16	3	0
11AP1A0441	R41044	RADAR SYSTEMS	18	2	0
11AP1A0441	R41048	BIO-MEDICAL ENGINEERING	21	40	4
11AP1A0447	QT41045	RADAR SYSTEMS	26	35	3
11AP1A0447	RT41041	VLSI DESIGN	23	63	3
11AP1A0447	RT41042	COMPUTER NETWORKS	24	31	3
11AP1A0447	RT41043	DIGITAL IMAGE PROCESSING	23	44	3
11AP1A0447	RT41045	ELECTRONIC SWITCHING SYSTEMS	26	56	3
11AP1A0447	RT4104A	OPTICAL COMMUNICATION	23	39	3
11AP1A0447	RT4104L	V L S I LAB	23	42	2
11AP1A0447	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
11AP1A0455	R41041	OPTICAL COMMUNICATIONS	19	37	4
11AP1A0464	RT41041	VLSI DESIGN	17	39	3
11AP1A0464	RT41042	COMPUTER NETWORKS	20	24	3
11AP1A0464	RT41043	DIGITAL IMAGE PROCESSING	16	10	0
11AP1A0464	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	4	0
11AP1A0464	RT41045	ELECTRONIC SWITCHING SYSTEMS	18	32	3
11AP1A0464	RT4104A	OPTICAL COMMUNICATION	16	29	3
11AP1A0464	RT4104L	V L S I LAB	21	40	2
11AP1A0464	RT4104M	MICROWAVE ENGINEERING LAB	22	44	2
11AP1A0523	R41054	MOBILE COMPUTING	8	6	0
11AP1A0523	R41057	OPEN SOURCE SOFTWARE	14	2	0
11AP1A0529	R41052	UML & DESIGN PATTERNS	5	-1	0
11AP1A0529	R41054	MOBILE COMPUTING	8	10	0
11AP1A0529	R4105B	SOFTWARE PROJECT MANAGEMENT	15	31	4
11AP1A0531	R41053	DATA WARE HOUSING AND DATA MINING	13	36	4
11AP1A0542	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	0	0
11AP1A0542	R41057	OPEN SOURCE SOFTWARE	14	2	0
11AP1A0554	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	9	0	0
11AP1A0554	R41054	MOBILE COMPUTING	17	4	0

Htno	Subcode	Subname	Internal	External	credits
11AP1A0556	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	32	4
12AP1A0104	R41011	GEOTECHNICAL ENGINEERING_II	17	31	4
12AP1A0204	R41024	POWER SYSTEM OPERATION & CONTROL	19	1	0
12AP1A0303	R41032	CAD/CAM	16	3	0
12AP1A0307	R41032	CAD/CAM	14	26	4
12AP1A0311	R41032	CAD/CAM	17	35	4
12AP1A0311	R41037	AUTOMOBILE ENGINEERING	18	35	4
12AP1A0315	R41032	CAD/CAM	19	7	0
12AP1A0319	R41033	ALTERNATIVE SOURCES OF ENERGY	19	12	0
12AP1A0320	R41031	REFRIGERATION & AIR CONDITIONING	13	31	4
12AP1A0320	R41037	AUTOMOBILE ENGINEERING	17	38	4
12AP1A0322	R41031	REFRIGERATION & AIR CONDITIONING	12	5	0
12AP1A0322	R41034	UNCONVENTIONAL MACHINING PROCESSES	15	20	0
12AP1A0325	R41035	MEMS	14	28	4
12AP1A0338	R41035	MEMS	20	31	4
12AP1A0406	R41044	RADAR SYSTEMS	20	-1	0
12AP1A0422	R41043	DIGITAL IMAGE PROCESSING	18	16	0
12AP1A0422	R41044	RADAR SYSTEMS	19	0	0
12AP1A0431	R41044	RADAR SYSTEMS	20	14	0
12AP1A0431	R41048	BIO-MEDICAL ENGINEERING	19	35	4
12AP1A0432	R41041	OPTICAL COMMUNICATIONS	20	15	0
12AP1A0442	R41042	EMBEDDED SYSTEMS	14	8	0
12AP1A0442	R41048	BIO-MEDICAL ENGINEERING	19	-1	0
12AP1A0452	RT41041	VLSI DESIGN	20	17	0
12AP1A0452	RT41042	COMPUTER NETWORKS	19	10	0
12AP1A0452	RT41043	DIGITAL IMAGE PROCESSING	15	6	0
12AP1A0452	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	6	0
12AP1A0452	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	26	3
12AP1A0452	RT4104A	OPTICAL COMMUNICATION	20	53	3
12AP1A0452	RT4104L	V L S I LAB	21	40	2
12AP1A0452	RT4104M	MICROWAVE ENGINEERING LAB	23	43	2
12AP1A0457	R41043	DIGITAL IMAGE PROCESSING	21	30	4
12AP1A0459	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	25	31	4
12AP1A0465	R41043	DIGITAL IMAGE PROCESSING	15	29	4
12AP1A0470	R41041	OPTICAL COMMUNICATIONS	20	32	4
12AP1A0470	R41042	EMBEDDED SYSTEMS	12	14	0
12AP1A0470	R41043	DIGITAL IMAGE PROCESSING	15	26	4
12AP1A0470	R41044	RADAR SYSTEMS	15	35	4
12AP1A0470	R41048	BIO-MEDICAL ENGINEERING	20	42	4
12AP1A0473	R41043	DIGITAL IMAGE PROCESSING	13	-1	0
12AP1A0473	R41044	RADAR SYSTEMS	18	-1	0
12AP1A0503	R41057	OPEN SOURCE SOFTWARE	24	31	4
12AP1A0539	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	32	4
12AP1A0550	R41057	OPEN SOURCE SOFTWARE	18	15	0
12AP5A0202	R41022	HIGH VOLTAGE ENGINEERING	17	-1	0
12AP5A0202	R41024	POWER SYSTEM OPERATION & CONTROL	19	-1	0
132E1A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	23	25	3
132E1A0104	RT41012	PRESTRESSED CONCRETE	25	34	3
132E1A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	31	3
132E1A0104	RT41014	WATER RESOURCES ENGINEERING - II	24	33	3

Htno	Subcode	Subname	Internal	External	credits
132E1A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	59	3
132E1A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	47	3
132E1A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
132E1A0104	RT4101M	GIS AND CAD LAB	23	48	2
137C1A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	21	57	3
137C1A0105	RT41012	PRESTRESSED CONCRETE	24	59	3
137C1A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	43	3
137C1A0105	RT41014	WATER RESOURCES ENGINEERING - II	23	33	3
137C1A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	49	3
137C1A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	45	3
137C1A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
137C1A0105	RT4101M	GIS AND CAD LAB	23	46	2
137C1A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	10	30	3
137C1A0106	RT41012	PRESTRESSED CONCRETE	19	28	3
137C1A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	11	35	3
137C1A0106	RT41014	WATER RESOURCES ENGINEERING - II	20	10	0
137C1A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	15	33	3
137C1A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	14	12	0
137C1A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	45	2
137C1A0106	RT4101M	GIS AND CAD LAB	18	37	2
137C1A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	16	24	3
137C1A0107	RT41012	PRESTRESSED CONCRETE	18	35	3
137C1A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	38	3
137C1A0107	RT41014	WATER RESOURCES ENGINEERING - II	21	39	3
137C1A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	17	44	3
137C1A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	56	3
137C1A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	46	2
137C1A0107	RT4101M	GIS AND CAD LAB	21	43	2
137C1A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	20	14	0
137C1A0109	RT41012	PRESTRESSED CONCRETE	24	61	3
137C1A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	67	3
137C1A0109	RT41014	WATER RESOURCES ENGINEERING - II	21	4	0
137C1A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	62	3
137C1A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	65	3
137C1A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	46	2
137C1A0109	RT4101M	GIS AND CAD LAB	22	49	2
137C1A0115	RT41011	ENVIRONMENTAL ENGINEERING- II	20	29	3
137C1A0115	RT41012	PRESTRESSED CONCRETE	22	54	3
137C1A0115	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	56	3
137C1A0115	RT41014	WATER RESOURCES ENGINEERING - II	23	40	3
137C1A0115	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	38	3
137C1A0115	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	41	3
137C1A0115	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	47	2
137C1A0115	RT4101M	GIS AND CAD LAB	22	49	2
137C1A0116	RT41011	ENVIRONMENTAL ENGINEERING- II	13	31	3
137C1A0116	RT41012	PRESTRESSED CONCRETE	20	34	3
137C1A0116	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	56	3
137C1A0116	RT41014	WATER RESOURCES ENGINEERING - II	19	35	3
137C1A0116	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	30	3
137C1A0116	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	38	3

Htno	Subcode	Subname	Internal	External	credits
137C1A0116	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	47	2
137C1A0116	RT4101M	GIS AND CAD LAB	22	49	2
137C1A0120	RT41011	ENVIRONMENTAL ENGINEERING- II	21	30	3
137C1A0120	RT41012	PRESTRESSED CONCRETE	24	45	3
137C1A0120	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	42	3
137C1A0120	RT41014	WATER RESOURCES ENGINEERING - II	21	36	3
137C1A0120	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	28	3
137C1A0120	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	56	3
137C1A0120	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	47	2
137C1A0120	RT4101M	GIS AND CAD LAB	23	47	2
137C1A0301	RT41031	AUTOMOBILE ENGINEERING	24	31	3
137C1A0301	RT41032	CAD / CAM	20	40	3
137C1A0301	RT41033	FINITE ELEMENT METHODS	19	31	3
137C1A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	52	3
137C1A0301	RT41035	MEMS	22	29	3
137C1A0301	RT41039	AUTOMATION IN MANUFACTURING	20	32	3
137C1A0301	RT4103L	SIMULATION LAB	24	45	2
137C1A0301	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
137C1A0302	RT41031	AUTOMOBILE ENGINEERING	19	5	0
137C1A0302	RT41032	CAD / CAM	16	24	3
137C1A0302	RT41033	FINITE ELEMENT METHODS	16	0	0
137C1A0302	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	28	3
137C1A0302	RT41035	MEMS	17	7	0
137C1A0302	RT41039	AUTOMATION IN MANUFACTURING	16	6	0
137C1A0302	RT4103L	SIMULATION LAB	24	45	2
137C1A0302	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
137C1A0304	RT41031	AUTOMOBILE ENGINEERING	18	17	0
137C1A0304	RT41032	CAD / CAM	16	0	0
137C1A0304	RT41033	FINITE ELEMENT METHODS	16	0	0
137C1A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	0	0
137C1A0304	RT41035	MEMS	19	0	0
137C1A0304	RT41039	AUTOMATION IN MANUFACTURING	16	0	0
137C1A0304	RT4103L	SIMULATION LAB	24	45	2
137C1A0304	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
137C1A0305	RT41031	AUTOMOBILE ENGINEERING	17	28	3
137C1A0305	RT41032	CAD / CAM	21	26	3
137C1A0305	RT41033	FINITE ELEMENT METHODS	20	0	0
137C1A0305	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	14	0
137C1A0305	RT41035	MEMS	18	37	3
137C1A0305	RT41039	AUTOMATION IN MANUFACTURING	17	24	3
137C1A0305	RT4103L	SIMULATION LAB	24	45	2
137C1A0305	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
137C1A0306	RT41031	AUTOMOBILE ENGINEERING	19	31	3
137C1A0306	RT41032	CAD / CAM	23	44	3
137C1A0306	RT41033	FINITE ELEMENT METHODS	23	13	0
137C1A0306	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	60	3
137C1A0306	RT41035	MEMS	20	38	3
137C1A0306	RT41039	AUTOMATION IN MANUFACTURING	23	70	3
137C1A0306	RT4103L	SIMULATION LAB	24	45	2
137C1A0306	RT4103M	DESIGN FABRICATION PROJECT	46	0	1

Htno	Subcode	Subname	Internal	External	credits
137C1A0307	RT41031	AUTOMOBILE ENGINEERING	18	9	0
137C1A0307	RT41032	CAD / CAM	23	36	3
137C1A0307	RT41033	FINITE ELEMENT METHODS	18	0	0
137C1A0307	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	42	3
137C1A0307	RT41035	MEMS	18	28	3
137C1A0307	RT41039	AUTOMATION IN MANUFACTURING	21	39	3
137C1A0307	RT4103L	SIMULATION LAB	24	46	2
137C1A0307	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
137C1A0308	RT41031	AUTOMOBILE ENGINEERING	21	40	3
137C1A0308	RT41032	CAD / CAM	20	24	3
137C1A0308	RT41033	FINITE ELEMENT METHODS	20	11	0
137C1A0308	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	44	3
137C1A0308	RT41035	MEMS	20	25	3
137C1A0308	RT41039	AUTOMATION IN MANUFACTURING	21	44	3
137C1A0308	RT4103L	SIMULATION LAB	24	48	2
137C1A0308	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
137C1A0309	RT41031	AUTOMOBILE ENGINEERING	19	34	3
137C1A0309	RT41032	CAD / CAM	22	25	3
137C1A0309	RT41033	FINITE ELEMENT METHODS	24	14	0
137C1A0309	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	28	3
137C1A0309	RT41035	MEMS	19	30	3
137C1A0309	RT41039	AUTOMATION IN MANUFACTURING	19	37	3
137C1A0309	RT4103L	SIMULATION LAB	24	47	2
137C1A0309	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
137C1A0310	RT41031	AUTOMOBILE ENGINEERING	21	30	3
137C1A0310	RT41032	CAD / CAM	19	31	3
137C1A0310	RT41033	FINITE ELEMENT METHODS	24	15	0
137C1A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	50	3
137C1A0310	RT41035	MEMS	21	28	3
137C1A0310	RT41039	AUTOMATION IN MANUFACTURING	18	44	3
137C1A0310	RT4103L	SIMULATION LAB	24	45	2
137C1A0310	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
137C1A0311	RT41031	AUTOMOBILE ENGINEERING	19	10	0
137C1A0311	RT41032	CAD / CAM	21	43	3
137C1A0311	RT41033	FINITE ELEMENT METHODS	19	24	3
137C1A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	39	3
137C1A0311	RT41035	MEMS	17	28	3
137C1A0311	RT41039	AUTOMATION IN MANUFACTURING	17	11	0
137C1A0311	RT4103L	SIMULATION LAB	24	45	2
137C1A0311	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
137C1A0313	RT41031	AUTOMOBILE ENGINEERING	21	27	3
137C1A0313	RT41032	CAD / CAM	19	24	3
137C1A0313	RT41033	FINITE ELEMENT METHODS	19	14	0
137C1A0313	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	29	3
137C1A0313	RT41035	MEMS	19	24	3
137C1A0313	RT41039	AUTOMATION IN MANUFACTURING	16	33	3
137C1A0313	RT4103L	SIMULATION LAB	24	45	2
137C1A0313	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
137C1A0314	RT41031	AUTOMOBILE ENGINEERING	21	12	0
137C1A0314	RT41032	CAD / CAM	22	41	3

Htno	Subcode	Subname	Internal	External	credits
137C1A0314	RT41033	FINITE ELEMENT METHODS	23	24	3
137C1A0314	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	26	3
137C1A0314	RT41035	MEMS	19	35	3
137C1A0314	RT41039	AUTOMATION IN MANUFACTURING	20	32	3
137C1A0314	RT4103L	SIMULATION LAB	24	45	2
137C1A0314	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
137C1A0315	RT41031	AUTOMOBILE ENGINEERING	18	33	3
137C1A0315	RT41032	CAD / CAM	22	36	3
137C1A0315	RT41033	FINITE ELEMENT METHODS	22	8	0
137C1A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	43	3
137C1A0315	RT41035	MEMS	18	30	3
137C1A0315	RT41039	AUTOMATION IN MANUFACTURING	22	35	3
137C1A0315	RT4103L	SIMULATION LAB	24	45	2
137C1A0315	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
137C1A0317	RT41031	AUTOMOBILE ENGINEERING	17	7	0
137C1A0317	RT41032	CAD / CAM	19	36	3
137C1A0317	RT41033	FINITE ELEMENT METHODS	15	13	0
137C1A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	43	3
137C1A0317	RT41035	MEMS	19	12	0
137C1A0317	RT41039	AUTOMATION IN MANUFACTURING	17	8	0
137C1A0317	RT4103L	SIMULATION LAB	24	46	2
137C1A0317	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
137C1A0318	RT41031	AUTOMOBILE ENGINEERING	18	26	3
137C1A0318	RT41032	CAD / CAM	21	0	0
137C1A0318	RT41033	FINITE ELEMENT METHODS	21	2	0
137C1A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	28	3
137C1A0318	RT41035	MEMS	17	2	0
137C1A0318	RT41039	AUTOMATION IN MANUFACTURING	16	29	3
137C1A0318	RT4103L	SIMULATION LAB	24	45	2
137C1A0318	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
137C1A0319	RT41031	AUTOMOBILE ENGINEERING	20	44	3
137C1A0319	RT41032	CAD / CAM	23	37	3
137C1A0319	RT41033	FINITE ELEMENT METHODS	23	12	0
137C1A0319	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	34	3
137C1A0319	RT41035	MEMS	19	34	3
137C1A0319	RT41039	AUTOMATION IN MANUFACTURING	22	37	3
137C1A0319	RT4103L	SIMULATION LAB	24	46	2
137C1A0319	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
137C1A0321	RT41031	AUTOMOBILE ENGINEERING	24	25	3
137C1A0321	RT41032	CAD / CAM	22	42	3
137C1A0321	RT41033	FINITE ELEMENT METHODS	22	24	3
137C1A0321	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	56	3
137C1A0321	RT41035	MEMS	18	35	3
137C1A0321	RT41039	AUTOMATION IN MANUFACTURING	25	35	3
137C1A0321	RT4103L	SIMULATION LAB	24	48	2
137C1A0321	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
137C1A0322	RT41031	AUTOMOBILE ENGINEERING	19	12	0
137C1A0322	RT41032	CAD / CAM	23	37	3
137C1A0322	RT41033	FINITE ELEMENT METHODS	18	25	3
137C1A0322	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	41	3

Htno	Subcode	Subname	Internal	External	credits
137C1A0322	RT41035	MEMS	20	36	3
137C1A0322	RT41039	AUTOMATION IN MANUFACTURING	23	39	3
137C1A0322	RT4103L	SIMULATION LAB	24	48	2
137C1A0322	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
137C1A0326	RT41031	AUTOMOBILE ENGINEERING	20	30	3
137C1A0326	RT41032	CAD / CAM	21	24	3
137C1A0326	RT41033	FINITE ELEMENT METHODS	20	18	0
137C1A0326	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	38	3
137C1A0326	RT41035	MEMS	18	37	3
137C1A0326	RT41039	AUTOMATION IN MANUFACTURING	18	36	3
137C1A0326	RT4103L	SIMULATION LAB	24	45	2
137C1A0326	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
137C1A0331	RT41031	AUTOMOBILE ENGINEERING	19	26	3
137C1A0331	RT41032	CAD / CAM	21	35	3
137C1A0331	RT41033	FINITE ELEMENT METHODS	20	14	0
137C1A0331	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	32	3
137C1A0331	RT41035	MEMS	23	39	3
137C1A0331	RT41039	AUTOMATION IN MANUFACTURING	20	24	3
137C1A0331	RT4103L	SIMULATION LAB	24	45	2
137C1A0331	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
137C1A0333	RT41031	AUTOMOBILE ENGINEERING	20	26	3
137C1A0333	RT41032	CAD / CAM	19	35	3
137C1A0333	RT41033	FINITE ELEMENT METHODS	18	12	0
137C1A0333	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	44	3
137C1A0333	RT41035	MEMS	18	29	3
137C1A0333	RT41039	AUTOMATION IN MANUFACTURING	19	39	3
137C1A0333	RT4103L	SIMULATION LAB	24	45	2
137C1A0333	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
137C1A0334	RT41031	AUTOMOBILE ENGINEERING	21	11	0
137C1A0334	RT41032	CAD / CAM	18	16	0
137C1A0334	RT41033	FINITE ELEMENT METHODS	19	0	0
137C1A0334	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	34	3
137C1A0334	RT41035	MEMS	16	29	3
137C1A0334	RT41039	AUTOMATION IN MANUFACTURING	18	24	3
137C1A0334	RT4103L	SIMULATION LAB	24	45	2
137C1A0334	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
137C1A0335	RT41031	AUTOMOBILE ENGINEERING	19	37	3
137C1A0335	RT41032	CAD / CAM	19	9	0
137C1A0335	RT41033	FINITE ELEMENT METHODS	23	8	0
137C1A0335	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	38	3
137C1A0335	RT41035	MEMS	20	10	0
137C1A0335	RT41039	AUTOMATION IN MANUFACTURING	20	47	3
137C1A0335	RT4103L	SIMULATION LAB	24	46	2
137C1A0335	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
137C1A0404	RT41041	VLSI DESIGN	24	39	3
137C1A0404	RT41042	COMPUTER NETWORKS	21	43	3
137C1A0404	RT41043	DIGITAL IMAGE PROCESSING	20	7	0
137C1A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	24	3
137C1A0404	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	39	3
137C1A0404	RT4104A	OPTICAL COMMUNICATION	21	2	0

Htno	Subcode	Subname	Internal	External	credits
137C1A0404	RT4104L	V L S I LAB	23	45	2
137C1A0404	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
137C1A0406	RT41041	VLSI DESIGN	25	56	3
137C1A0406	RT41042	COMPUTER NETWORKS	21	27	3
137C1A0406	RT41043	DIGITAL IMAGE PROCESSING	17	28	3
137C1A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	10	0
137C1A0406	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	26	3
137C1A0406	RT4104A	OPTICAL COMMUNICATION	19	38	3
137C1A0406	RT4104L	V L S I LAB	23	44	2
137C1A0406	RT4104M	MICROWAVE ENGINEERING LAB	22	43	2
137C1A0407	RT41041	VLSI DESIGN	25	48	3
137C1A0407	RT41042	COMPUTER NETWORKS	20	30	3
137C1A0407	RT41043	DIGITAL IMAGE PROCESSING	24	37	3
137C1A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	28	3
137C1A0407	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	40	3
137C1A0407	RT4104A	OPTICAL COMMUNICATION	21	24	3
137C1A0407	RT4104L	V L S I LAB	23	44	2
137C1A0407	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
137C1A0408	RT41041	VLSI DESIGN	26	40	3
137C1A0408	RT41042	COMPUTER NETWORKS	20	31	3
137C1A0408	RT41043	DIGITAL IMAGE PROCESSING	22	38	3
137C1A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	24	3
137C1A0408	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	38	3
137C1A0408	RT4104A	OPTICAL COMMUNICATION	24	53	3
137C1A0408	RT4104L	V L S I LAB	24	46	2
137C1A0408	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
137C1A0409	RT41041	VLSI DESIGN	26	49	3
137C1A0409	RT41042	COMPUTER NETWORKS	23	42	3
137C1A0409	RT41043	DIGITAL IMAGE PROCESSING	23	24	3
137C1A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	27	3
137C1A0409	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	45	3
137C1A0409	RT4104A	OPTICAL COMMUNICATION	22	42	3
137C1A0409	RT4104L	V L S I LAB	23	45	2
137C1A0409	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
137C1A0415	RT41041	VLSI DESIGN	25	45	3
137C1A0415	RT41042	COMPUTER NETWORKS	22	30	3
137C1A0415	RT41043	DIGITAL IMAGE PROCESSING	21	35	3
137C1A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	7	0
137C1A0415	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	37	3
137C1A0415	RT4104A	OPTICAL COMMUNICATION	21	28	3
137C1A0415	RT4104L	V L S I LAB	22	43	2
137C1A0415	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
137C1A0418	RT41041	VLSI DESIGN	22	33	3
137C1A0418	RT41042	COMPUTER NETWORKS	18	27	3
137C1A0418	RT41043	DIGITAL IMAGE PROCESSING	18	5	0
137C1A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	24	3
137C1A0418	RT41045	ELECTRONIC SWITCHING SYSTEMS	17	36	3
137C1A0418	RT4104A	OPTICAL COMMUNICATION	18	24	3
137C1A0418	RT4104L	V L S I LAB	23	45	2
137C1A0418	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2

Htno	Subcode	Subname	Internal	External	credits
137C1A0424	RT41041	VLSI DESIGN	24	40	3
137C1A0424	RT41042	COMPUTER NETWORKS	21	43	3
137C1A0424	RT41043	DIGITAL IMAGE PROCESSING	21	24	3
137C1A0424	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	9	0
137C1A0424	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	35	3
137C1A0424	RT4104A	OPTICAL COMMUNICATION	21	53	3
137C1A0424	RT4104L	V L S I LAB	23	47	2
137C1A0424	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
137C1A0425	RT41041	VLSI DESIGN	22	46	3
137C1A0425	RT41042	COMPUTER NETWORKS	22	48	3
137C1A0425	RT41043	DIGITAL IMAGE PROCESSING	22	34	3
137C1A0425	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	25	3
137C1A0425	RT41045	ELECTRONIC SWITCHING SYSTEMS	20	31	3
137C1A0425	RT4104A	OPTICAL COMMUNICATION	17	35	3
137C1A0425	RT4104L	V L S I LAB	23	46	2
137C1A0425	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
137C1A0426	RT41041	VLSI DESIGN	26	58	3
137C1A0426	RT41042	COMPUTER NETWORKS	23	29	3
137C1A0426	RT41043	DIGITAL IMAGE PROCESSING	23	33	3
137C1A0426	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	15	0
137C1A0426	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	30	3
137C1A0426	RT4104A	OPTICAL COMMUNICATION	18	42	3
137C1A0426	RT4104L	V L S I LAB	23	44	2
137C1A0426	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
137C1A0428	RT41041	VLSI DESIGN	26	63	3
137C1A0428	RT41042	COMPUTER NETWORKS	23	29	3
137C1A0428	RT41043	DIGITAL IMAGE PROCESSING	19	30	3
137C1A0428	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	37	3
137C1A0428	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	47	3
137C1A0428	RT4104A	OPTICAL COMMUNICATION	24	28	3
137C1A0428	RT4104L	V L S I LAB	24	46	2
137C1A0428	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
137C1A0432	RT41041	VLSI DESIGN	21	34	3
137C1A0432	RT41042	COMPUTER NETWORKS	23	27	3
137C1A0432	RT41043	DIGITAL IMAGE PROCESSING	21	7	0
137C1A0432	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	13	0
137C1A0432	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	35	3
137C1A0432	RT4104A	OPTICAL COMMUNICATION	21	43	3
137C1A0432	RT4104L	V L S I LAB	23	44	2
137C1A0432	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
137C1A0434	RT41041	VLSI DESIGN	21	37	3
137C1A0434	RT41042	COMPUTER NETWORKS	14	45	3
137C1A0434	RT41043	DIGITAL IMAGE PROCESSING	18	2	0
137C1A0434	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	8	0
137C1A0434	RT41045	ELECTRONIC SWITCHING SYSTEMS	21	26	3
137C1A0434	RT4104A	OPTICAL COMMUNICATION	18	2	0
137C1A0434	RT4104L	V L S I LAB	22	43	2
137C1A0434	RT4104M	MICROWAVE ENGINEERING LAB	21	43	2
13AP1A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	24	7	0
13AP1A0102	RT41012	PRESTRESSED CONCRETE	25	63	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	54	3
13AP1A0102	RT41014	WATER RESOURCES ENGINEERING - II	21	8	0
13AP1A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	37	3
13AP1A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	54	3
13AP1A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	47	2
13AP1A0102	RT4101M	GIS AND CAD LAB	20	43	2
13AP1A0103	RT41011	ENVIRONMENTAL ENGINEERING- II	22	38	3
13AP1A0103	RT41012	PRESTRESSED CONCRETE	20	46	3
13AP1A0103	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	41	3
13AP1A0103	RT41014	WATER RESOURCES ENGINEERING - II	21	27	3
13AP1A0103	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	39	3
13AP1A0103	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	40	3
13AP1A0103	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
13AP1A0103	RT4101M	GIS AND CAD LAB	24	47	2
13AP1A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	21	24	3
13AP1A0104	RT41012	PRESTRESSED CONCRETE	22	33	3
13AP1A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	19	34	3
13AP1A0104	RT41014	WATER RESOURCES ENGINEERING - II	22	24	3
13AP1A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	31	3
13AP1A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	32	3
13AP1A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
13AP1A0104	RT4101M	GIS AND CAD LAB	22	44	2
13AP1A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	25	28	3
13AP1A0105	RT41012	PRESTRESSED CONCRETE	26	52	3
13AP1A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	53	3
13AP1A0105	RT41014	WATER RESOURCES ENGINEERING - II	22	48	3
13AP1A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	49	3
13AP1A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	38	3
13AP1A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	48	2
13AP1A0105	RT4101M	GIS AND CAD LAB	25	49	2
13AP1A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	19	7	0
13AP1A0107	RT41012	PRESTRESSED CONCRETE	22	37	3
13AP1A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	54	3
13AP1A0107	RT41014	WATER RESOURCES ENGINEERING - II	18	24	3
13AP1A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	15	33	3
13AP1A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	47	3
13AP1A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	47	2
13AP1A0107	RT4101M	GIS AND CAD LAB	23	44	2
13AP1A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	17	51	3
13AP1A0108	RT41012	PRESTRESSED CONCRETE	18	48	3
13AP1A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	15	44	3
13AP1A0108	RT41014	WATER RESOURCES ENGINEERING - II	14	30	3
13AP1A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	17	33	3
13AP1A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	16	24	3
13AP1A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	16	45	2
13AP1A0108	RT4101M	GIS AND CAD LAB	14	42	2
13AP1A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	18	24	3
13AP1A0110	RT41012	PRESTRESSED CONCRETE	19	32	3
13AP1A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	36	3
13AP1A0110	RT41014	WATER RESOURCES ENGINEERING - II	17	24	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	30	3
13AP1A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	28	3
13AP1A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
13AP1A0110	RT4101M	GIS AND CAD LAB	20	44	2
13AP1A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	20	24	3
13AP1A0111	RT41012	PRESTRESSED CONCRETE	17	30	3
13AP1A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	37	3
13AP1A0111	RT41014	WATER RESOURCES ENGINEERING - II	23	37	3
13AP1A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	17	46	3
13AP1A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	46	3
13AP1A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
13AP1A0111	RT4101M	GIS AND CAD LAB	21	43	2
13AP1A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	20	10	0
13AP1A0113	RT41012	PRESTRESSED CONCRETE	21	56	3
13AP1A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	45	3
13AP1A0113	RT41014	WATER RESOURCES ENGINEERING - II	21	33	3
13AP1A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	54	3
13AP1A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	57	3
13AP1A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	46	2
13AP1A0113	RT4101M	GIS AND CAD LAB	21	42	2
13AP1A0114	RT41011	ENVIRONMENTAL ENGINEERING- II	22	59	3
13AP1A0114	RT41012	PRESTRESSED CONCRETE	22	64	3
13AP1A0114	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	45	3
13AP1A0114	RT41014	WATER RESOURCES ENGINEERING - II	22	32	3
13AP1A0114	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	36	3
13AP1A0114	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	30	3
13AP1A0114	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	46	2
13AP1A0114	RT4101M	GIS AND CAD LAB	23	44	2
13AP1A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	24	3
13AP1A0201	RT41022	HVAC AND DC TRANSMISSION	21	16	0
13AP1A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	24	3
13AP1A0201	RT41025	INSTRUMENTATION	19	24	3
13AP1A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	19	43	3
13AP1A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
13AP1A0201	RT4102M	ELECTRICAL SIMULATION LAB	21	45	2
13AP1A0201	RT4102N	POWER SYSTEMS LAB	24	46	2
13AP1A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	36	3
13AP1A0205	RT41022	HVAC AND DC TRANSMISSION	22	49	3
13AP1A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	34	3
13AP1A0205	RT41025	INSTRUMENTATION	26	34	3
13AP1A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	50	3
13AP1A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
13AP1A0205	RT4102M	ELECTRICAL SIMULATION LAB	25	47	2
13AP1A0205	RT4102N	POWER SYSTEMS LAB	25	47	2
13AP1A0301	RT41031	AUTOMOBILE ENGINEERING	24	40	3
13AP1A0301	RT41032	CAD / CAM	24	35	3
13AP1A0301	RT41033	FINITE ELEMENT METHODS	23	13	0
13AP1A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	36	3
13AP1A0301	RT41035	MEMS	22	37	3
13AP1A0301	RT41039	AUTOMATION IN MANUFACTURING	22	38	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0301	RT4103L	SIMULATION LAB	25	48	2
13AP1A0301	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
13AP1A0302	RT41031	AUTOMOBILE ENGINEERING	22	36	3
13AP1A0302	RT41032	CAD / CAM	23	41	3
13AP1A0302	RT41033	FINITE ELEMENT METHODS	22	26	3
13AP1A0302	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	62	3
13AP1A0302	RT41035	MEMS	21	39	3
13AP1A0302	RT41039	AUTOMATION IN MANUFACTURING	20	64	3
13AP1A0302	RT4103L	SIMULATION LAB	24	45	2
13AP1A0302	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
13AP1A0303	RT41031	AUTOMOBILE ENGINEERING	23	9	0
13AP1A0303	RT41032	CAD / CAM	21	40	3
13AP1A0303	RT41033	FINITE ELEMENT METHODS	17	29	3
13AP1A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	39	3
13AP1A0303	RT41035	MEMS	20	35	3
13AP1A0303	RT41039	AUTOMATION IN MANUFACTURING	21	39	3
13AP1A0303	RT4103L	SIMULATION LAB	24	45	2
13AP1A0303	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
13AP1A0304	RT41031	AUTOMOBILE ENGINEERING	26	41	3
13AP1A0304	RT41032	CAD / CAM	23	29	3
13AP1A0304	RT41033	FINITE ELEMENT METHODS	26	27	3
13AP1A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	43	3
13AP1A0304	RT41035	MEMS	22	27	3
13AP1A0304	RT41039	AUTOMATION IN MANUFACTURING	22	50	3
13AP1A0304	RT4103L	SIMULATION LAB	25	48	2
13AP1A0304	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
13AP1A0305	RT41031	AUTOMOBILE ENGINEERING	19	27	3
13AP1A0305	RT41032	CAD / CAM	16	-1	0
13AP1A0305	RT41033	FINITE ELEMENT METHODS	19	3	0
13AP1A0305	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	8	0
13AP1A0305	RT41035	MEMS	17	35	3
13AP1A0305	RT41039	AUTOMATION IN MANUFACTURING	19	7	0
13AP1A0305	RT4103L	SIMULATION LAB	24	46	2
13AP1A0305	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
13AP1A0306	RT41031	AUTOMOBILE ENGINEERING	20	33	3
13AP1A0306	RT41032	CAD / CAM	21	34	3
13AP1A0306	RT41033	FINITE ELEMENT METHODS	16	24	3
13AP1A0306	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	45	3
13AP1A0306	RT41035	MEMS	20	28	3
13AP1A0306	RT41039	AUTOMATION IN MANUFACTURING	17	44	3
13AP1A0306	RT4103L	SIMULATION LAB	24	47	2
13AP1A0306	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
13AP1A0307	RT41031	AUTOMOBILE ENGINEERING	25	44	3
13AP1A0307	RT41032	CAD / CAM	19	33	3
13AP1A0307	RT41033	FINITE ELEMENT METHODS	21	43	3
13AP1A0307	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	52	3
13AP1A0307	RT41035	MEMS	21	57	3
13AP1A0307	RT41039	AUTOMATION IN MANUFACTURING	18	26	3
13AP1A0307	RT4103L	SIMULATION LAB	24	46	2
13AP1A0307	RT4103M	DESIGN FABRICATION PROJECT	45	0	1

Htno	Subcode	Subname	Internal	External	credits
13AP1A0308	RT41031	AUTOMOBILE ENGINEERING	16	36	3
13AP1A0308	RT41032	CAD / CAM	21	26	3
13AP1A0308	RT41033	FINITE ELEMENT METHODS	17	13	0
13AP1A0308	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	37	3
13AP1A0308	RT41035	MEMS	18	24	3
13AP1A0308	RT41039	AUTOMATION IN MANUFACTURING	21	50	3
13AP1A0308	RT4103L	SIMULATION LAB	24	45	2
13AP1A0308	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
13AP1A0309	RT41031	AUTOMOBILE ENGINEERING	19	27	3
13AP1A0309	RT41032	CAD / CAM	16	28	3
13AP1A0309	RT41033	FINITE ELEMENT METHODS	18	12	0
13AP1A0309	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	9	0
13AP1A0309	RT41035	MEMS	20	28	3
13AP1A0309	RT41039	AUTOMATION IN MANUFACTURING	19	10	0
13AP1A0309	RT4103L	SIMULATION LAB	24	45	2
13AP1A0309	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
13AP1A0310	RT41031	AUTOMOBILE ENGINEERING	19	30	3
13AP1A0310	RT41032	CAD / CAM	20	39	3
13AP1A0310	RT41033	FINITE ELEMENT METHODS	22	12	0
13AP1A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	47	3
13AP1A0310	RT41035	MEMS	20	29	3
13AP1A0310	RT41039	AUTOMATION IN MANUFACTURING	20	47	3
13AP1A0310	RT4103L	SIMULATION LAB	24	46	2
13AP1A0310	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
13AP1A0311	RT41031	AUTOMOBILE ENGINEERING	17	30	3
13AP1A0311	RT41032	CAD / CAM	18	27	3
13AP1A0311	RT41033	FINITE ELEMENT METHODS	23	7	0
13AP1A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	42	3
13AP1A0311	RT41035	MEMS	20	34	3
13AP1A0311	RT41039	AUTOMATION IN MANUFACTURING	18	24	3
13AP1A0311	RT4103L	SIMULATION LAB	24	45	2
13AP1A0311	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
13AP1A0312	RT41031	AUTOMOBILE ENGINEERING	22	31	3
13AP1A0312	RT41032	CAD / CAM	22	33	3
13AP1A0312	RT41033	FINITE ELEMENT METHODS	25	36	3
13AP1A0312	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	44	3
13AP1A0312	RT41035	MEMS	23	36	3
13AP1A0312	RT41039	AUTOMATION IN MANUFACTURING	23	37	3
13AP1A0312	RT4103L	SIMULATION LAB	25	48	2
13AP1A0312	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
13AP1A0313	RT41031	AUTOMOBILE ENGINEERING	21	29	3
13AP1A0313	RT41032	CAD / CAM	22	29	3
13AP1A0313	RT41033	FINITE ELEMENT METHODS	23	9	0
13AP1A0313	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	29	3
13AP1A0313	RT41035	MEMS	19	27	3
13AP1A0313	RT41039	AUTOMATION IN MANUFACTURING	21	33	3
13AP1A0313	RT4103L	SIMULATION LAB	24	45	2
13AP1A0313	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
13AP1A0314	RT41031	AUTOMOBILE ENGINEERING	18	16	0
13AP1A0314	RT41032	CAD / CAM	20	39	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0314	RT41033	FINITE ELEMENT METHODS	20	11	0
13AP1A0314	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	46	3
13AP1A0314	RT41035	MEMS	20	29	3
13AP1A0314	RT41039	AUTOMATION IN MANUFACTURING	22	38	3
13AP1A0314	RT4103L	SIMULATION LAB	24	47	2
13AP1A0314	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
13AP1A0315	RT41031	AUTOMOBILE ENGINEERING	23	36	3
13AP1A0315	RT41032	CAD / CAM	23	35	3
13AP1A0315	RT41033	FINITE ELEMENT METHODS	24	42	3
13AP1A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	36	3
13AP1A0315	RT41035	MEMS	20	41	3
13AP1A0315	RT41039	AUTOMATION IN MANUFACTURING	22	27	3
13AP1A0315	RT4103L	SIMULATION LAB	24	45	2
13AP1A0315	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
13AP1A0316	RT41031	AUTOMOBILE ENGINEERING	21	26	3
13AP1A0316	RT41032	CAD / CAM	20	24	3
13AP1A0316	RT41033	FINITE ELEMENT METHODS	22	17	0
13AP1A0316	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	34	3
13AP1A0316	RT41035	MEMS	20	24	3
13AP1A0316	RT41039	AUTOMATION IN MANUFACTURING	21	40	3
13AP1A0316	RT4103L	SIMULATION LAB	24	45	2
13AP1A0316	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
13AP1A0317	RT41031	AUTOMOBILE ENGINEERING	19	12	0
13AP1A0317	RT41032	CAD / CAM	17	28	3
13AP1A0317	RT41033	FINITE ELEMENT METHODS	19	5	0
13AP1A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	37	3
13AP1A0317	RT41035	MEMS	17	28	3
13AP1A0317	RT41039	AUTOMATION IN MANUFACTURING	18	35	3
13AP1A0317	RT4103L	SIMULATION LAB	24	45	2
13AP1A0317	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
13AP1A0318	RT41031	AUTOMOBILE ENGINEERING	19	26	3
13AP1A0318	RT41032	CAD / CAM	21	44	3
13AP1A0318	RT41033	FINITE ELEMENT METHODS	25	30	3
13AP1A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	57	3
13AP1A0318	RT41035	MEMS	22	29	3
13AP1A0318	RT41039	AUTOMATION IN MANUFACTURING	21	57	3
13AP1A0318	RT4103L	SIMULATION LAB	24	46	2
13AP1A0318	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
13AP1A0319	RT41031	AUTOMOBILE ENGINEERING	16	26	3
13AP1A0319	RT41032	CAD / CAM	19	20	0
13AP1A0319	RT41033	FINITE ELEMENT METHODS	21	0	0
13AP1A0319	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	15	0
13AP1A0319	RT41035	MEMS	18	17	0
13AP1A0319	RT41039	AUTOMATION IN MANUFACTURING	19	24	3
13AP1A0319	RT4103L	SIMULATION LAB	24	46	2
13AP1A0319	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
13AP1A0401	RT41041	VLSI DESIGN	20	36	3
13AP1A0401	RT41042	COMPUTER NETWORKS	17	36	3
13AP1A0401	RT41043	DIGITAL IMAGE PROCESSING	21	8	0
13AP1A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	3	0

Htno	Subcode	Subname	Internal	External	credits
13AP1A0401	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	37	3
13AP1A0401	RT4104A	OPTICAL COMMUNICATION	17	28	3
13AP1A0401	RT4104L	V L S I LAB	22	43	2
13AP1A0401	RT4104M	MICROWAVE ENGINEERING LAB	22	44	2
13AP1A0402	RT41041	VLSI DESIGN	24	42	3
13AP1A0402	RT41042	COMPUTER NETWORKS	19	26	3
13AP1A0402	RT41043	DIGITAL IMAGE PROCESSING	22	30	3
13AP1A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	31	3
13AP1A0402	RT41045	ELECTRONIC SWITCHING SYSTEMS	21	36	3
13AP1A0402	RT4104A	OPTICAL COMMUNICATION	21	17	0
13AP1A0402	RT4104L	V L S I LAB	23	45	2
13AP1A0402	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
13AP1A0404	RT41041	VLSI DESIGN	19	24	3
13AP1A0404	RT41042	COMPUTER NETWORKS	14	30	3
13AP1A0404	RT41043	DIGITAL IMAGE PROCESSING	17	31	3
13AP1A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	30	3
13AP1A0404	RT41045	ELECTRONIC SWITCHING SYSTEMS	16	24	3
13AP1A0404	RT4104A	OPTICAL COMMUNICATION	17	46	3
13AP1A0404	RT4104L	V L S I LAB	21	-1	0
13AP1A0404	RT4104M	MICROWAVE ENGINEERING LAB	20	-1	0
13AP1A0405	RT41041	VLSI DESIGN	17	25	3
13AP1A0405	RT41042	COMPUTER NETWORKS	24	42	3
13AP1A0405	RT41043	DIGITAL IMAGE PROCESSING	19	12	0
13AP1A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	34	3
13AP1A0405	RT41045	ELECTRONIC SWITCHING SYSTEMS	20	24	3
13AP1A0405	RT4104A	OPTICAL COMMUNICATION	19	6	0
13AP1A0405	RT4104L	V L S I LAB	22	43	2
13AP1A0405	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
13AP1A0406	RT41041	VLSI DESIGN	26	52	3
13AP1A0406	RT41042	COMPUTER NETWORKS	24	30	3
13AP1A0406	RT41043	DIGITAL IMAGE PROCESSING	24	25	3
13AP1A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	9	0
13AP1A0406	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	44	3
13AP1A0406	RT4104A	OPTICAL COMMUNICATION	24	31	3
13AP1A0406	RT4104L	V L S I LAB	24	47	2
13AP1A0406	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
13AP1A0407	RT41041	VLSI DESIGN	20	2	0
13AP1A0407	RT41042	COMPUTER NETWORKS	14	28	3
13AP1A0407	RT41043	DIGITAL IMAGE PROCESSING	8	2	0
13AP1A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	1	0
13AP1A0407	RT41045	ELECTRONIC SWITCHING SYSTEMS	16	8	0
13AP1A0407	RT4104A	OPTICAL COMMUNICATION	16	2	0
13AP1A0407	RT4104L	V L S I LAB	22	43	2
13AP1A0407	RT4104M	MICROWAVE ENGINEERING LAB	22	44	2
13AP1A0409	RT41041	VLSI DESIGN	26	48	3
13AP1A0409	RT41042	COMPUTER NETWORKS	24	45	3
13AP1A0409	RT41043	DIGITAL IMAGE PROCESSING	22	60	3
13AP1A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	39	3
13AP1A0409	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	37	3
13AP1A0409	RT4104A	OPTICAL COMMUNICATION	23	55	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0409	RT4104L	V L S I LAB	24	48	2
13AP1A0409	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
13AP1A0410	RT41041	VLSI DESIGN	24	46	3
13AP1A0410	RT41042	COMPUTER NETWORKS	22	45	3
13AP1A0410	RT41043	DIGITAL IMAGE PROCESSING	24	35	3
13AP1A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	43	3
13AP1A0410	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	36	3
13AP1A0410	RT4104A	OPTICAL COMMUNICATION	25	35	3
13AP1A0410	RT4104L	V L S I LAB	24	48	2
13AP1A0410	RT4104M	MICROWAVE ENGINEERING LAB	25	48	2
13AP1A0412	RT41041	VLSI DESIGN	16	4	0
13AP1A0412	RT41042	COMPUTER NETWORKS	16	10	0
13AP1A0412	RT41043	DIGITAL IMAGE PROCESSING	12	4	0
13AP1A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	0	0
13AP1A0412	RT41045	ELECTRONIC SWITCHING SYSTEMS	17	28	3
13AP1A0412	RT4104A	OPTICAL COMMUNICATION	20	4	0
13AP1A0412	RT4104L	V L S I LAB	21	41	2
13AP1A0412	RT4104M	MICROWAVE ENGINEERING LAB	20	43	2
13AP1A0413	RT41041	VLSI DESIGN	27	48	3
13AP1A0413	RT41042	COMPUTER NETWORKS	25	29	3
13AP1A0413	RT41043	DIGITAL IMAGE PROCESSING	22	47	3
13AP1A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	35	3
13AP1A0413	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	46	3
13AP1A0413	RT4104A	OPTICAL COMMUNICATION	25	30	3
13AP1A0413	RT4104L	V L S I LAB	23	46	2
13AP1A0413	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
13AP1A0414	RT41041	VLSI DESIGN	21	49	3
13AP1A0414	RT41042	COMPUTER NETWORKS	20	48	3
13AP1A0414	RT41043	DIGITAL IMAGE PROCESSING	21	32	3
13AP1A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	31	3
13AP1A0414	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	48	3
13AP1A0414	RT4104A	OPTICAL COMMUNICATION	21	54	3
13AP1A0414	RT4104L	V L S I LAB	23	47	2
13AP1A0414	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
13AP1A0415	RT41041	VLSI DESIGN	24	46	3
13AP1A0415	RT41042	COMPUTER NETWORKS	23	39	3
13AP1A0415	RT41043	DIGITAL IMAGE PROCESSING	24	30	3
13AP1A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	45	3
13AP1A0415	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	43	3
13AP1A0415	RT4104A	OPTICAL COMMUNICATION	23	25	3
13AP1A0415	RT4104L	V L S I LAB	24	49	2
13AP1A0415	RT4104M	MICROWAVE ENGINEERING LAB	25	49	2
13AP1A0416	RT41041	VLSI DESIGN	26	-1	0
13AP1A0416	RT41042	COMPUTER NETWORKS	24	-1	0
13AP1A0416	RT41043	DIGITAL IMAGE PROCESSING	24	-1	0
13AP1A0416	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	27	3
13AP1A0416	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	51	3
13AP1A0416	RT4104A	OPTICAL COMMUNICATION	26	46	3
13AP1A0416	RT4104L	V L S I LAB	24	48	2
13AP1A0416	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2

Htno	Subcode	Subname	Internal	External	credits
13AP1A0417	RT41041	VLSI DESIGN	17	34	3
13AP1A0417	RT41042	COMPUTER NETWORKS	16	8	0
13AP1A0417	RT41043	DIGITAL IMAGE PROCESSING	16	25	3
13AP1A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	29	3
13AP1A0417	RT41045	ELECTRONIC SWITCHING SYSTEMS	20	34	3
13AP1A0417	RT4104A	OPTICAL COMMUNICATION	16	11	0
13AP1A0417	RT4104L	V L S I LAB	21	43	2
13AP1A0417	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
13AP1A0418	RT41041	VLSI DESIGN	22	36	3
13AP1A0418	RT41042	COMPUTER NETWORKS	19	10	0
13AP1A0418	RT41043	DIGITAL IMAGE PROCESSING	19	24	3
13AP1A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	10	0
13AP1A0418	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	27	3
13AP1A0418	RT4104A	OPTICAL COMMUNICATION	21	54	3
13AP1A0418	RT4104L	V L S I LAB	23	45	2
13AP1A0418	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
13AP1A0419	RT41041	VLSI DESIGN	23	43	3
13AP1A0419	RT41042	COMPUTER NETWORKS	18	45	3
13AP1A0419	RT41043	DIGITAL IMAGE PROCESSING	19	16	0
13AP1A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	54	3
13AP1A0419	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	38	3
13AP1A0419	RT4104A	OPTICAL COMMUNICATION	20	24	3
13AP1A0419	RT4104L	V L S I LAB	23	45	2
13AP1A0419	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
13AP1A0420	RT41041	VLSI DESIGN	18	29	3
13AP1A0420	RT41042	COMPUTER NETWORKS	22	24	3
13AP1A0420	RT41043	DIGITAL IMAGE PROCESSING	17	15	0
13AP1A0420	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	4	0
13AP1A0420	RT41045	ELECTRONIC SWITCHING SYSTEMS	20	29	3
13AP1A0420	RT4104A	OPTICAL COMMUNICATION	22	32	3
13AP1A0420	RT4104L	V L S I LAB	22	44	2
13AP1A0420	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
13AP1A0421	RT41041	VLSI DESIGN	21	35	3
13AP1A0421	RT41042	COMPUTER NETWORKS	22	29	3
13AP1A0421	RT41043	DIGITAL IMAGE PROCESSING	19	24	3
13AP1A0421	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	26	3
13AP1A0421	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	30	3
13AP1A0421	RT4104A	OPTICAL COMMUNICATION	18	24	3
13AP1A0421	RT4104L	V L S I LAB	22	44	2
13AP1A0421	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
13AP1A0422	RT41041	VLSI DESIGN	27	44	3
13AP1A0422	RT41042	COMPUTER NETWORKS	23	40	3
13AP1A0422	RT41043	DIGITAL IMAGE PROCESSING	26	32	3
13AP1A0422	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	45	3
13AP1A0422	RT41045	ELECTRONIC SWITCHING SYSTEMS	26	34	3
13AP1A0422	RT4104A	OPTICAL COMMUNICATION	25	53	3
13AP1A0422	RT4104L	V L S I LAB	24	49	2
13AP1A0422	RT4104M	MICROWAVE ENGINEERING LAB	24	49	2
13AP1A0423	RT41041	VLSI DESIGN	17	39	3
13AP1A0423	RT41042	COMPUTER NETWORKS	21	46	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0423	RT41043	DIGITAL IMAGE PROCESSING	13	7	0
13AP1A0423	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	47	3
13AP1A0423	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	40	3
13AP1A0423	RT4104A	OPTICAL COMMUNICATION	17	2	0
13AP1A0423	RT4104L	V L S I LAB	21	43	2
13AP1A0423	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
13AP1A0424	RT41041	VLSI DESIGN	20	36	3
13AP1A0424	RT41042	COMPUTER NETWORKS	18	24	3
13AP1A0424	RT41043	DIGITAL IMAGE PROCESSING	16	11	0
13AP1A0424	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	8	0
13AP1A0424	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	42	3
13AP1A0424	RT4104A	OPTICAL COMMUNICATION	16	29	3
13AP1A0424	RT4104L	V L S I LAB	22	44	2
13AP1A0424	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
13AP1A0425	RT41041	VLSI DESIGN	24	44	3
13AP1A0425	RT41042	COMPUTER NETWORKS	22	24	3
13AP1A0425	RT41043	DIGITAL IMAGE PROCESSING	24	29	3
13AP1A0425	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	28	3
13AP1A0425	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	29	3
13AP1A0425	RT4104A	OPTICAL COMMUNICATION	19	24	3
13AP1A0425	RT4104L	V L S I LAB	24	48	2
13AP1A0425	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
13AP1A0426	RT41041	VLSI DESIGN	24	44	3
13AP1A0426	RT41042	COMPUTER NETWORKS	21	28	3
13AP1A0426	RT41043	DIGITAL IMAGE PROCESSING	23	10	0
13AP1A0426	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	24	3
13AP1A0426	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	38	3
13AP1A0426	RT4104A	OPTICAL COMMUNICATION	25	56	3
13AP1A0426	RT4104L	V L S I LAB	24	47	2
13AP1A0426	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
13AP1A0427	RT41041	VLSI DESIGN	22	46	3
13AP1A0427	RT41042	COMPUTER NETWORKS	20	48	3
13AP1A0427	RT41043	DIGITAL IMAGE PROCESSING	21	25	3
13AP1A0427	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	34	3
13AP1A0427	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	39	3
13AP1A0427	RT4104A	OPTICAL COMMUNICATION	23	4	0
13AP1A0427	RT4104L	V L S I LAB	23	45	2
13AP1A0427	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
13AP1A0428	RT41041	VLSI DESIGN	20	0	0
13AP1A0428	RT41042	COMPUTER NETWORKS	18	13	0
13AP1A0428	RT41043	DIGITAL IMAGE PROCESSING	13	7	0
13AP1A0428	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	6	0
13AP1A0428	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	26	3
13AP1A0428	RT4104A	OPTICAL COMMUNICATION	18	8	0
13AP1A0428	RT4104L	V L S I LAB	21	43	2
13AP1A0428	RT4104M	MICROWAVE ENGINEERING LAB	21	43	2
13AP1A0429	RT41041	VLSI DESIGN	26	61	3
13AP1A0429	RT41042	COMPUTER NETWORKS	23	30	3
13AP1A0429	RT41043	DIGITAL IMAGE PROCESSING	25	33	3
13AP1A0429	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	35	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0429	RT41045	ELECTRONIC SWITCHING SYSTEMS	27	34	3
13AP1A0429	RT4104A	OPTICAL COMMUNICATION	27	17	0
13AP1A0429	RT4104L	V L S I LAB	24	47	2
13AP1A0429	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
13AP1A0430	RT41041	VLSI DESIGN	25	41	3
13AP1A0430	RT41042	COMPUTER NETWORKS	25	37	3
13AP1A0430	RT41043	DIGITAL IMAGE PROCESSING	19	39	3
13AP1A0430	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	31	3
13AP1A0430	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	35	3
13AP1A0430	RT4104A	OPTICAL COMMUNICATION	26	55	3
13AP1A0430	RT4104L	V L S I LAB	24	47	2
13AP1A0430	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
13AP1A0431	RT41041	VLSI DESIGN	24	48	3
13AP1A0431	RT41042	COMPUTER NETWORKS	21	45	3
13AP1A0431	RT41043	DIGITAL IMAGE PROCESSING	25	24	3
13AP1A0431	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	43	3
13AP1A0431	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	41	3
13AP1A0431	RT4104A	OPTICAL COMMUNICATION	25	35	3
13AP1A0431	RT4104L	V L S I LAB	24	49	2
13AP1A0431	RT4104M	MICROWAVE ENGINEERING LAB	25	49	2
13AP1A0432	RT41041	VLSI DESIGN	26	61	3
13AP1A0432	RT41042	COMPUTER NETWORKS	21	53	3
13AP1A0432	RT41043	DIGITAL IMAGE PROCESSING	22	40	3
13AP1A0432	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	2	0
13AP1A0432	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	50	3
13AP1A0432	RT4104A	OPTICAL COMMUNICATION	25	39	3
13AP1A0432	RT4104L	V L S I LAB	23	47	2
13AP1A0432	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
13AP1A0433	RT41041	VLSI DESIGN	19	33	3
13AP1A0433	RT41042	COMPUTER NETWORKS	23	25	3
13AP1A0433	RT41043	DIGITAL IMAGE PROCESSING	14	32	3
13AP1A0433	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	27	3
13AP1A0433	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	37	3
13AP1A0433	RT4104A	OPTICAL COMMUNICATION	16	24	3
13AP1A0433	RT4104L	V L S I LAB	22	44	2
13AP1A0433	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
13AP1A0434	RT41041	VLSI DESIGN	26	52	3
13AP1A0434	RT41042	COMPUTER NETWORKS	24	49	3
13AP1A0434	RT41043	DIGITAL IMAGE PROCESSING	22	52	3
13AP1A0434	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	31	3
13AP1A0434	RT41045	ELECTRONIC SWITCHING SYSTEMS	26	60	3
13AP1A0434	RT4104A	OPTICAL COMMUNICATION	24	57	3
13AP1A0434	RT4104L	V L S I LAB	23	47	2
13AP1A0434	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
13AP1A0435	RT41041	VLSI DESIGN	24	42	3
13AP1A0435	RT41042	COMPUTER NETWORKS	25	41	3
13AP1A0435	RT41043	DIGITAL IMAGE PROCESSING	20	24	3
13AP1A0435	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	25	3
13AP1A0435	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	31	3
13AP1A0435	RT4104A	OPTICAL COMMUNICATION	19	24	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0435	RT4104L	V L S I LAB	23	46	2
13AP1A0435	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
13AP1A0436	RT41041	VLSI DESIGN	24	30	3
13AP1A0436	RT41042	COMPUTER NETWORKS	19	24	3
13AP1A0436	RT41043	DIGITAL IMAGE PROCESSING	22	31	3
13AP1A0436	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	24	3
13AP1A0436	RT41045	ELECTRONIC SWITCHING SYSTEMS	26	36	3
13AP1A0436	RT4104A	OPTICAL COMMUNICATION	22	15	0
13AP1A0436	RT4104L	V L S I LAB	23	45	2
13AP1A0436	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
13AP1A0501	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	48	3
13AP1A0501	RT41052	UML AND DESIGN PATTERNS	24	49	3
13AP1A0501	RT41053	MOBILE COMPUTING	24	41	3
13AP1A0501	RT41054	SOFTWARE TESTING METHODOLOGIES	22	39	3
13AP1A0501	RT4105B	HADOOP AND BIG DATA	23	57	3
13AP1A0501	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
13AP1A0501	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	46	2
13AP1A0501	RT4105N	SOFTWARE TESTING LAB	24	48	2
13AP1A0501	RT4105O	HADOOP AND BIGDATA LAB	23	49	2
13AP1A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	36	3
13AP1A0502	RT41052	UML AND DESIGN PATTERNS	24	41	3
13AP1A0502	RT41053	MOBILE COMPUTING	22	43	3
13AP1A0502	RT41054	SOFTWARE TESTING METHODOLOGIES	21	49	3
13AP1A0502	RT4105B	HADOOP AND BIG DATA	24	34	3
13AP1A0502	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
13AP1A0502	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
13AP1A0502	RT4105N	SOFTWARE TESTING LAB	24	48	2
13AP1A0502	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
13AP1A0503	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	17	0
13AP1A0503	RT41052	UML AND DESIGN PATTERNS	25	62	3
13AP1A0503	RT41053	MOBILE COMPUTING	21	48	3
13AP1A0503	RT41054	SOFTWARE TESTING METHODOLOGIES	21	50	3
13AP1A0503	RT4105B	HADOOP AND BIG DATA	21	52	3
13AP1A0503	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
13AP1A0503	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	45	2
13AP1A0503	RT4105N	SOFTWARE TESTING LAB	23	46	2
13AP1A0503	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
13AP1A0504	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	36	3
13AP1A0504	RT41052	UML AND DESIGN PATTERNS	22	52	3
13AP1A0504	RT41053	MOBILE COMPUTING	25	46	3
13AP1A0504	RT41054	SOFTWARE TESTING METHODOLOGIES	22	41	3
13AP1A0504	RT4105B	HADOOP AND BIG DATA	22	43	3
13AP1A0504	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
13AP1A0504	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	46	2
13AP1A0504	RT4105N	SOFTWARE TESTING LAB	24	48	2
13AP1A0504	RT4105O	HADOOP AND BIGDATA LAB	23	49	2
13AP1A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	32	3
13AP1A0506	RT41052	UML AND DESIGN PATTERNS	24	38	3
13AP1A0506	RT41053	MOBILE COMPUTING	17	36	3
13AP1A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	16	34	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0506	RT4105B	HADOOP AND BIG DATA	22	37	3
13AP1A0506	RT4105L	UML AND DESIGN PATTERNS LAB	23	44	2
13AP1A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
13AP1A0506	RT4105N	SOFTWARE TESTING LAB	22	45	2
13AP1A0506	RT4105O	HADOOP AND BIGDATA LAB	18	46	2
13AP1A0507	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	38	3
13AP1A0507	RT41052	UML AND DESIGN PATTERNS	21	46	3
13AP1A0507	RT41053	MOBILE COMPUTING	26	40	3
13AP1A0507	RT41054	SOFTWARE TESTING METHODOLOGIES	25	43	3
13AP1A0507	RT4105B	HADOOP AND BIG DATA	25	33	3
13AP1A0507	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
13AP1A0507	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	46	2
13AP1A0507	RT4105N	SOFTWARE TESTING LAB	24	48	2
13AP1A0507	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
13AP1A0508	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	28	3
13AP1A0508	RT41052	UML AND DESIGN PATTERNS	23	57	3
13AP1A0508	RT41053	MOBILE COMPUTING	21	33	3
13AP1A0508	RT41054	SOFTWARE TESTING METHODOLOGIES	20	43	3
13AP1A0508	RT4105B	HADOOP AND BIG DATA	18	45	3
13AP1A0508	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
13AP1A0508	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	45	2
13AP1A0508	RT4105N	SOFTWARE TESTING LAB	22	46	2
13AP1A0508	RT4105O	HADOOP AND BIGDATA LAB	19	46	2
13AP1A0509	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	18	0
13AP1A0509	RT41052	UML AND DESIGN PATTERNS	21	27	3
13AP1A0509	RT41053	MOBILE COMPUTING	18	14	0
13AP1A0509	RT41054	SOFTWARE TESTING METHODOLOGIES	12	38	3
13AP1A0509	RT4105B	HADOOP AND BIG DATA	16	30	3
13AP1A0509	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
13AP1A0509	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	19	46	2
13AP1A0509	RT4105N	SOFTWARE TESTING LAB	22	46	2
13AP1A0509	RT4105O	HADOOP AND BIGDATA LAB	19	46	2
13AP1A0511	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	40	3
13AP1A0511	RT41052	UML AND DESIGN PATTERNS	20	36	3
13AP1A0511	RT41053	MOBILE COMPUTING	23	40	3
13AP1A0511	RT41054	SOFTWARE TESTING METHODOLOGIES	19	30	3
13AP1A0511	RT4105B	HADOOP AND BIG DATA	16	37	3
13AP1A0511	RT4105L	UML AND DESIGN PATTERNS LAB	24	46	2
13AP1A0511	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	46	2
13AP1A0511	RT4105N	SOFTWARE TESTING LAB	22	47	2
13AP1A0511	RT4105O	HADOOP AND BIGDATA LAB	22	46	2
13AP1A0513	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	14	0
13AP1A0513	RT41052	UML AND DESIGN PATTERNS	19	24	3
13AP1A0513	RT41053	MOBILE COMPUTING	20	30	3
13AP1A0513	RT41054	SOFTWARE TESTING METHODOLOGIES	14	39	3
13AP1A0513	RT4105B	HADOOP AND BIG DATA	16	40	3
13AP1A0513	RT4105L	UML AND DESIGN PATTERNS LAB	22	42	2
13AP1A0513	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	44	2
13AP1A0513	RT4105N	SOFTWARE TESTING LAB	22	43	2
13AP1A0513	RT4105O	HADOOP AND BIGDATA LAB	18	45	2

Htno	Subcode	Subname	Internal	External	credits
13AP1A0514	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	25	3
13AP1A0514	RT41052	UML AND DESIGN PATTERNS	24	64	3
13AP1A0514	RT41053	MOBILE COMPUTING	24	41	3
13AP1A0514	RT41054	SOFTWARE TESTING METHODOLOGIES	16	57	3
13AP1A0514	RT4105B	HADOOP AND BIG DATA	20	39	3
13AP1A0514	RT4105L	UML AND DESIGN PATTERNS LAB	24	47	2
13AP1A0514	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
13AP1A0514	RT4105N	SOFTWARE TESTING LAB	24	46	2
13AP1A0514	RT4105O	HADOOP AND BIGDATA LAB	20	47	2
13AP1A0515	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	31	3
13AP1A0515	RT41052	UML AND DESIGN PATTERNS	21	32	3
13AP1A0515	RT41053	MOBILE COMPUTING	19	-1	0
13AP1A0515	RT41054	SOFTWARE TESTING METHODOLOGIES	17	25	3
13AP1A0515	RT4105B	HADOOP AND BIG DATA	17	24	3
13AP1A0515	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
13AP1A0515	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	44	2
13AP1A0515	RT4105N	SOFTWARE TESTING LAB	23	46	2
13AP1A0515	RT4105O	HADOOP AND BIGDATA LAB	18	45	2
13AP1A0517	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	47	3
13AP1A0517	RT41052	UML AND DESIGN PATTERNS	22	48	3
13AP1A0517	RT41053	MOBILE COMPUTING	22	43	3
13AP1A0517	RT41054	SOFTWARE TESTING METHODOLOGIES	21	41	3
13AP1A0517	RT4105B	HADOOP AND BIG DATA	22	56	3
13AP1A0517	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
13AP1A0517	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
13AP1A0517	RT4105N	SOFTWARE TESTING LAB	24	48	2
13AP1A0517	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
13AP1A0518	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	7	0
13AP1A0518	RT41052	UML AND DESIGN PATTERNS	20	24	3
13AP1A0518	RT41053	MOBILE COMPUTING	16	1	0
13AP1A0518	RT41054	SOFTWARE TESTING METHODOLOGIES	15	30	3
13AP1A0518	RT4105B	HADOOP AND BIG DATA	16	27	3
13AP1A0518	RT4105L	UML AND DESIGN PATTERNS LAB	22	41	2
13AP1A0518	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	19	43	2
13AP1A0518	RT4105N	SOFTWARE TESTING LAB	22	42	2
13AP1A0518	RT4105O	HADOOP AND BIGDATA LAB	18	46	2
13AP1A0519	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	38	3
13AP1A0519	RT41052	UML AND DESIGN PATTERNS	23	60	3
13AP1A0519	RT41053	MOBILE COMPUTING	20	50	3
13AP1A0519	RT41054	SOFTWARE TESTING METHODOLOGIES	19	52	3
13AP1A0519	RT4105B	HADOOP AND BIG DATA	22	41	3
13AP1A0519	RT4105L	UML AND DESIGN PATTERNS LAB	23	44	2
13AP1A0519	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	44	2
13AP1A0519	RT4105N	SOFTWARE TESTING LAB	24	45	2
13AP1A0519	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
13AP1A0520	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	35	3
13AP1A0520	RT41052	UML AND DESIGN PATTERNS	23	32	3
13AP1A0520	RT41053	MOBILE COMPUTING	20	44	3
13AP1A0520	RT41054	SOFTWARE TESTING METHODOLOGIES	22	30	3
13AP1A0520	RT4105B	HADOOP AND BIG DATA	22	35	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0520	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
13AP1A0520	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
13AP1A0520	RT4105N	SOFTWARE TESTING LAB	24	48	2
13AP1A0520	RT4105O	HADOOP AND BIGDATA LAB	24	49	2
13AP1A0521	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	28	3
13AP1A0521	RT41052	UML AND DESIGN PATTERNS	21	42	3
13AP1A0521	RT41053	MOBILE COMPUTING	21	44	3
13AP1A0521	RT41054	SOFTWARE TESTING METHODOLOGIES	20	33	3
13AP1A0521	RT4105B	HADOOP AND BIG DATA	20	53	3
13AP1A0521	RT4105L	UML AND DESIGN PATTERNS LAB	24	46	2
13AP1A0521	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	46	2
13AP1A0521	RT4105N	SOFTWARE TESTING LAB	24	45	2
13AP1A0521	RT4105O	HADOOP AND BIGDATA LAB	21	46	2
13AP1A0522	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	32	3
13AP1A0522	RT41052	UML AND DESIGN PATTERNS	20	51	3
13AP1A0522	RT41053	MOBILE COMPUTING	23	37	3
13AP1A0522	RT41054	SOFTWARE TESTING METHODOLOGIES	22	43	3
13AP1A0522	RT4105B	HADOOP AND BIG DATA	21	37	3
13AP1A0522	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
13AP1A0522	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
13AP1A0522	RT4105N	SOFTWARE TESTING LAB	24	48	2
13AP1A0522	RT4105O	HADOOP AND BIGDATA LAB	23	49	2
13AP1A0523	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	37	3
13AP1A0523	RT41052	UML AND DESIGN PATTERNS	23	60	3
13AP1A0523	RT41053	MOBILE COMPUTING	20	44	3
13AP1A0523	RT41054	SOFTWARE TESTING METHODOLOGIES	21	54	3
13AP1A0523	RT4105B	HADOOP AND BIG DATA	21	32	3
13AP1A0523	RT4105L	UML AND DESIGN PATTERNS LAB	24	43	2
13AP1A0523	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	45	2
13AP1A0523	RT4105N	SOFTWARE TESTING LAB	22	44	2
13AP1A0523	RT4105O	HADOOP AND BIGDATA LAB	20	46	2
13AP1A0524	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	33	3
13AP1A0524	RT41052	UML AND DESIGN PATTERNS	20	11	0
13AP1A0524	RT41053	MOBILE COMPUTING	20	25	3
13AP1A0524	RT41054	SOFTWARE TESTING METHODOLOGIES	19	37	3
13AP1A0524	RT4105B	HADOOP AND BIG DATA	19	37	3
13AP1A0524	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
13AP1A0524	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	46	2
13AP1A0524	RT4105N	SOFTWARE TESTING LAB	22	46	2
13AP1A0524	RT4105O	HADOOP AND BIGDATA LAB	18	46	2
13AP1A0525	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	34	3
13AP1A0525	RT41052	UML AND DESIGN PATTERNS	20	26	3
13AP1A0525	RT41053	MOBILE COMPUTING	20	29	3
13AP1A0525	RT41054	SOFTWARE TESTING METHODOLOGIES	20	9	0
13AP1A0525	RT4105B	HADOOP AND BIG DATA	17	35	3
13AP1A0525	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
13AP1A0525	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
13AP1A0525	RT4105N	SOFTWARE TESTING LAB	22	46	2
13AP1A0525	RT4105O	HADOOP AND BIGDATA LAB	18	46	2
13AP1A0527	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3

Htno	Subcode	Subname	Internal	External	credits
13AP1A0527	RT41052	UML AND DESIGN PATTERNS	23	34	3
13AP1A0527	RT41053	MOBILE COMPUTING	20	24	3
13AP1A0527	RT41054	SOFTWARE TESTING METHODOLOGIES	21	40	3
13AP1A0527	RT4105B	HADOOP AND BIG DATA	20	33	3
13AP1A0527	RT4105L	UML AND DESIGN PATTERNS LAB	24	46	2
13AP1A0527	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	45	2
13AP1A0527	RT4105N	SOFTWARE TESTING LAB	22	45	2
13AP1A0527	RT4105O	HADOOP AND BIGDATA LAB	18	45	2
13AP1A0528	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	34	3
13AP1A0528	RT41052	UML AND DESIGN PATTERNS	21	65	3
13AP1A0528	RT41053	MOBILE COMPUTING	20	44	3
13AP1A0528	RT41054	SOFTWARE TESTING METHODOLOGIES	19	58	3
13AP1A0528	RT4105B	HADOOP AND BIG DATA	20	43	3
13AP1A0528	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
13AP1A0528	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	45	2
13AP1A0528	RT4105N	SOFTWARE TESTING LAB	24	46	2
13AP1A0528	RT4105O	HADOOP AND BIGDATA LAB	21	48	2
13AP1A0529	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	26	3
13AP1A0529	RT41052	UML AND DESIGN PATTERNS	21	26	3
13AP1A0529	RT41053	MOBILE COMPUTING	22	27	3
13AP1A0529	RT41054	SOFTWARE TESTING METHODOLOGIES	17	36	3
13AP1A0529	RT4105B	HADOOP AND BIG DATA	21	36	3
13AP1A0529	RT4105L	UML AND DESIGN PATTERNS LAB	22	46	2
13AP1A0529	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
13AP1A0529	RT4105N	SOFTWARE TESTING LAB	24	45	2
13AP1A0529	RT4105O	HADOOP AND BIGDATA LAB	19	45	2
13AP5A0207	R41021	COMPUTER ORGANIZATION	16	7	0
13AP5A0207	R41023	SWITCH GEAR & PROTECTION	13	36	4
13AP5A0302	R41033	ALTERNATIVE SOURCES OF ENERGY	21	7	0
13AP5A0302	R41034	UNCONVENTIONAL MACHINING PROCESSES	17	30	4
13AP5A0302	R41037	AUTOMOBILE ENGINEERING	19	10	0
13AP5A0409	R41042	EMBEDDED SYSTEMS	9	-1	0
13AP5A0409	R41043	DIGITAL IMAGE PROCESSING	16	0	0
13AP5A0411	R41041	OPTICAL COMMUNICATIONS	17	30	4
13AP5A0411	R41043	DIGITAL IMAGE PROCESSING	16	30	4
13AP5A0411	R41048	BIO-MEDICAL ENGINEERING	24	45	4
13AP5A0416	R41044	RADAR SYSTEMS	14	32	4
13AP5A0504	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	26	4
13AP5A0504	R41057	OPEN SOURCE SOFTWARE	23	7	0
147C5A0301	RT41031	AUTOMOBILE ENGINEERING	21	34	3
147C5A0301	RT41032	CAD / CAM	21	4	0
147C5A0301	RT41033	FINITE ELEMENT METHODS	19	10	0
147C5A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	34	3
147C5A0301	RT41035	MEMS	18	8	0
147C5A0301	RT41039	AUTOMATION IN MANUFACTURING	19	35	3
147C5A0301	RT4103L	SIMULATION LAB	24	46	2
147C5A0301	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
147C5A0303	RT41031	AUTOMOBILE ENGINEERING	24	29	3
147C5A0303	RT41032	CAD / CAM	23	43	3
147C5A0303	RT41033	FINITE ELEMENT METHODS	23	31	3

Htno	Subcode	Subname	Internal	External	credits
147C5A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	55	3
147C5A0303	RT41035	MEMS	26	36	3
147C5A0303	RT41039	AUTOMATION IN MANUFACTURING	23	33	3
147C5A0303	RT4103L	SIMULATION LAB	24	48	2
147C5A0303	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
147C5A0304	RT41031	AUTOMOBILE ENGINEERING	25	39	3
147C5A0304	RT41032	CAD / CAM	22	38	3
147C5A0304	RT41033	FINITE ELEMENT METHODS	22	24	3
147C5A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	68	3
147C5A0304	RT41035	MEMS	18	51	3
147C5A0304	RT41039	AUTOMATION IN MANUFACTURING	22	51	3
147C5A0304	RT4103L	SIMULATION LAB	24	46	2
147C5A0304	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
147C5A0403	RT41041	VLSI DESIGN	25	47	3
147C5A0403	RT41042	COMPUTER NETWORKS	26	26	3
147C5A0403	RT41043	DIGITAL IMAGE PROCESSING	23	34	3
147C5A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	40	3
147C5A0403	RT41045	ELECTRONIC SWITCHING SYSTEMS	29	32	3
147C5A0403	RT4104A	OPTICAL COMMUNICATION	26	24	3
147C5A0403	RT4104L	V L S I LAB	24	48	2
147C5A0403	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
147C5A0404	RT41041	VLSI DESIGN	23	39	3
147C5A0404	RT41042	COMPUTER NETWORKS	21	30	3
147C5A0404	RT41043	DIGITAL IMAGE PROCESSING	21	26	3
147C5A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	31	3
147C5A0404	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	29	3
147C5A0404	RT4104A	OPTICAL COMMUNICATION	22	49	3
147C5A0404	RT4104L	V L S I LAB	22	43	2
147C5A0404	RT4104M	MICROWAVE ENGINEERING LAB	21	43	2
14AP5A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	26	29	3
14AP5A0101	RT41012	PRESTRESSED CONCRETE	27	51	3
14AP5A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	49	3
14AP5A0101	RT41014	WATER RESOURCES ENGINEERING - II	27	24	3
14AP5A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	41	3
14AP5A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	51	3
14AP5A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	50	2
14AP5A0101	RT4101M	GIS AND CAD LAB	25	49	2
14AP5A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	26	55	3
14AP5A0102	RT41012	PRESTRESSED CONCRETE	24	62	3
14AP5A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	48	3
14AP5A0102	RT41014	WATER RESOURCES ENGINEERING - II	24	57	3
14AP5A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	43	3
14AP5A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	61	3
14AP5A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	49	2
14AP5A0102	RT4101M	GIS AND CAD LAB	25	49	2
14AP5A0103	RT41011	ENVIRONMENTAL ENGINEERING- II	24	8	0
14AP5A0103	RT41012	PRESTRESSED CONCRETE	21	41	3
14AP5A0103	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	60	3
14AP5A0103	RT41014	WATER RESOURCES ENGINEERING - II	22	33	3
14AP5A0103	RT41015	REMOTE SENSING AND GIS APPLICATIONS	15	33	3

Htno	Subcode	Subname	Internal	External	credits
14AP5A0103	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	52	3
14AP5A0103	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
14AP5A0103	RT4101M	GIS AND CAD LAB	22	47	2
14AP5A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	24	36	3
14AP5A0104	RT41012	PRESTRESSED CONCRETE	26	58	3
14AP5A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	51	3
14AP5A0104	RT41014	WATER RESOURCES ENGINEERING - II	21	35	3
14AP5A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	39	3
14AP5A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	38	3
14AP5A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	46	2
14AP5A0104	RT4101M	GIS AND CAD LAB	24	47	2
14AP5A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	25	40	3
14AP5A0105	RT41012	PRESTRESSED CONCRETE	24	59	3
14AP5A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	67	3
14AP5A0105	RT41014	WATER RESOURCES ENGINEERING - II	24	38	3
14AP5A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	36	3
14AP5A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	32	3
14AP5A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
14AP5A0105	RT4101M	GIS AND CAD LAB	21	43	2
14AP5A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	24	14	0
14AP5A0106	RT41012	PRESTRESSED CONCRETE	25	45	3
14AP5A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	41	3
14AP5A0106	RT41014	WATER RESOURCES ENGINEERING - II	21	47	3
14AP5A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	17	36	3
14AP5A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	38	3
14AP5A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
14AP5A0106	RT4101M	GIS AND CAD LAB	21	47	2
14AP5A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	21	10	0
14AP5A0107	RT41012	PRESTRESSED CONCRETE	18	54	3
14AP5A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	57	3
14AP5A0107	RT41014	WATER RESOURCES ENGINEERING - II	23	27	3
14AP5A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	12	0
14AP5A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	45	3
14AP5A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
14AP5A0107	RT4101M	GIS AND CAD LAB	21	45	2
14AP5A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	40	3
14AP5A0201	RT41022	HVAC AND DC TRANSMISSION	25	42	3
14AP5A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	40	3
14AP5A0201	RT41025	INSTRUMENTATION	23	35	3
14AP5A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	43	3
14AP5A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	47	2
14AP5A0201	RT4102M	ELECTRICAL SIMULATION LAB	25	49	2
14AP5A0201	RT4102N	POWER SYSTEMS LAB	24	48	2
14AP5A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	25	3
14AP5A0202	RT41022	HVAC AND DC TRANSMISSION	25	61	3
14AP5A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	14	0
14AP5A0202	RT41025	INSTRUMENTATION	25	43	3
14AP5A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	40	3
14AP5A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
14AP5A0202	RT4102M	ELECTRICAL SIMULATION LAB	25	49	2

Htno	Subcode	Subname	Internal	External	credits
14AP5A0202	RT4102N	POWER SYSTEMS LAB	25	50	2
14AP5A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	24	3
14AP5A0203	RT41022	HVAC AND DC TRANSMISSION	22	24	3
14AP5A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	24	3
14AP5A0203	RT41025	INSTRUMENTATION	24	31	3
14AP5A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	48	3
14AP5A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
14AP5A0203	RT4102M	ELECTRICAL SIMULATION LAB	23	47	2
14AP5A0203	RT4102N	POWER SYSTEMS LAB	24	43	2
14AP5A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	30	3
14AP5A0204	RT41022	HVAC AND DC TRANSMISSION	22	48	3
14AP5A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	30	3
14AP5A0204	RT41025	INSTRUMENTATION	21	26	3
14AP5A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	2	0
14AP5A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
14AP5A0204	RT4102M	ELECTRICAL SIMULATION LAB	22	46	2
14AP5A0204	RT4102N	POWER SYSTEMS LAB	23	46	2
14AP5A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	34	3
14AP5A0205	RT41022	HVAC AND DC TRANSMISSION	18	29	3
14AP5A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	28	3
14AP5A0205	RT41025	INSTRUMENTATION	14	8	0
14AP5A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	34	3
14AP5A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	44	2
14AP5A0205	RT4102M	ELECTRICAL SIMULATION LAB	21	42	2
14AP5A0205	RT4102N	POWER SYSTEMS LAB	21	40	2
14AP5A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	31	3
14AP5A0206	RT41022	HVAC AND DC TRANSMISSION	21	44	3
14AP5A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	35	3
14AP5A0206	RT41025	INSTRUMENTATION	23	41	3
14AP5A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	49	3
14AP5A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
14AP5A0206	RT4102M	ELECTRICAL SIMULATION LAB	23	47	2
14AP5A0206	RT4102N	POWER SYSTEMS LAB	23	47	2
14AP5A0208	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	42	3
14AP5A0208	RT41022	HVAC AND DC TRANSMISSION	23	37	3
14AP5A0208	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	38	3
14AP5A0208	RT41025	INSTRUMENTATION	24	36	3
14AP5A0208	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	55	3
14AP5A0208	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	49	2
14AP5A0208	RT4102M	ELECTRICAL SIMULATION LAB	25	50	2
14AP5A0208	RT4102N	POWER SYSTEMS LAB	25	49	2
14AP5A0209	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	12	0
14AP5A0209	RT41022	HVAC AND DC TRANSMISSION	23	39	3
14AP5A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	26	3
14AP5A0209	RT41025	INSTRUMENTATION	23	0	0
14AP5A0209	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	33	3
14AP5A0209	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
14AP5A0209	RT4102M	ELECTRICAL SIMULATION LAB	23	45	2
14AP5A0209	RT4102N	POWER SYSTEMS LAB	24	47	2
14AP5A0210	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	42	3

Htno	Subcode	Subname	Internal	External	credits
14AP5A0210	RT41022	HVAC AND DC TRANSMISSION	26	39	3
14AP5A0210	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	42	3
14AP5A0210	RT41025	INSTRUMENTATION	22	32	3
14AP5A0210	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	38	3
14AP5A0210	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
14AP5A0210	RT4102M	ELECTRICAL SIMULATION LAB	24	48	2
14AP5A0210	RT4102N	POWER SYSTEMS LAB	25	42	2
14AP5A0301	RT41031	AUTOMOBILE ENGINEERING	26	33	3
14AP5A0301	RT41032	CAD / CAM	24	30	3
14AP5A0301	RT41033	FINITE ELEMENT METHODS	23	32	3
14AP5A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	39	3
14AP5A0301	RT41035	MEMS	20	36	3
14AP5A0301	RT41039	AUTOMATION IN MANUFACTURING	21	36	3
14AP5A0301	RT4103L	SIMULATION LAB	24	46	2
14AP5A0301	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14AP5A0302	RT41031	AUTOMOBILE ENGINEERING	22	27	3
14AP5A0302	RT41032	CAD / CAM	23	27	3
14AP5A0302	RT41033	FINITE ELEMENT METHODS	19	17	0
14AP5A0302	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	36	3
14AP5A0302	RT41035	MEMS	22	24	3
14AP5A0302	RT41039	AUTOMATION IN MANUFACTURING	20	36	3
14AP5A0302	RT4103L	SIMULATION LAB	25	46	2
14AP5A0302	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14AP5A0303	RT41031	AUTOMOBILE ENGINEERING	25	48	3
14AP5A0303	RT41032	CAD / CAM	23	40	3
14AP5A0303	RT41033	FINITE ELEMENT METHODS	21	9	0
14AP5A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	40	3
14AP5A0303	RT41035	MEMS	20	38	3
14AP5A0303	RT41039	AUTOMATION IN MANUFACTURING	21	24	3
14AP5A0303	RT4103L	SIMULATION LAB	24	48	2
14AP5A0303	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14AP5A0304	RT41031	AUTOMOBILE ENGINEERING	18	31	3
14AP5A0304	RT41032	CAD / CAM	20	39	3
14AP5A0304	RT41033	FINITE ELEMENT METHODS	20	13	0
14AP5A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	59	3
14AP5A0304	RT41035	MEMS	19	44	3
14AP5A0304	RT41039	AUTOMATION IN MANUFACTURING	20	45	3
14AP5A0304	RT4103L	SIMULATION LAB	24	45	2
14AP5A0304	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14AP5A0401	RT41041	VLSI DESIGN	25	48	3
14AP5A0401	RT41042	COMPUTER NETWORKS	20	38	3
14AP5A0401	RT41043	DIGITAL IMAGE PROCESSING	20	24	3
14AP5A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	24	3
14AP5A0401	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	35	3
14AP5A0401	RT4104A	OPTICAL COMMUNICATION	18	35	3
14AP5A0401	RT4104L	V L S I LAB	23	45	2
14AP5A0401	RT4104M	MICROWAVE ENGINEERING LAB	22	45	2
14AP5A0402	RT41041	VLSI DESIGN	20	24	3
14AP5A0402	RT41042	COMPUTER NETWORKS	20	31	3
14AP5A0402	RT41043	DIGITAL IMAGE PROCESSING	17	6	0

Htno	Subcode	Subname	Internal	External	credits
14AP5A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	11	0
14AP5A0402	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	28	3
14AP5A0402	RT4104A	OPTICAL COMMUNICATION	17	29	3
14AP5A0402	RT4104L	V L S I LAB	22	44	2
14AP5A0402	RT4104M	MICROWAVE ENGINEERING LAB	22	44	2
14AP5A0403	RT41041	VLSI DESIGN	23	39	3
14AP5A0403	RT41042	COMPUTER NETWORKS	24	33	3
14AP5A0403	RT41043	DIGITAL IMAGE PROCESSING	21	24	3
14AP5A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	30	3
14AP5A0403	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	37	3
14AP5A0403	RT4104A	OPTICAL COMMUNICATION	24	24	3
14AP5A0403	RT4104L	V L S I LAB	23	45	2
14AP5A0403	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
14AP5A0404	RT41041	VLSI DESIGN	22	39	3
14AP5A0404	RT41042	COMPUTER NETWORKS	21	30	3
14AP5A0404	RT41043	DIGITAL IMAGE PROCESSING	20	8	0
14AP5A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	26	3
14AP5A0404	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	34	3
14AP5A0404	RT4104A	OPTICAL COMMUNICATION	20	0	0
14AP5A0404	RT4104L	V L S I LAB	22	44	2
14AP5A0404	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
14AP5A0405	RT41041	VLSI DESIGN	24	50	3
14AP5A0405	RT41042	COMPUTER NETWORKS	21	24	3
14AP5A0405	RT41043	DIGITAL IMAGE PROCESSING	21	24	3
14AP5A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	15	0
14AP5A0405	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	34	3
14AP5A0405	RT4104A	OPTICAL COMMUNICATION	23	11	0
14AP5A0405	RT4104L	V L S I LAB	24	49	2
14AP5A0405	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
14AP5A0406	RT41041	VLSI DESIGN	21	36	3
14AP5A0406	RT41042	COMPUTER NETWORKS	22	39	3
14AP5A0406	RT41043	DIGITAL IMAGE PROCESSING	16	4	0
14AP5A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	1	0
14AP5A0406	RT41045	ELECTRONIC SWITCHING SYSTEMS	18	8	0
14AP5A0406	RT4104A	OPTICAL COMMUNICATION	22	2	0
14AP5A0406	RT4104L	V L S I LAB	23	46	2
14AP5A0406	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
14AP5A0407	RT41041	VLSI DESIGN	22	34	3
14AP5A0407	RT41042	COMPUTER NETWORKS	24	26	3
14AP5A0407	RT41043	DIGITAL IMAGE PROCESSING	16	12	0
14AP5A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	31	3
14AP5A0407	RT41045	ELECTRONIC SWITCHING SYSTEMS	26	33	3
14AP5A0407	RT4104A	OPTICAL COMMUNICATION	20	33	3
14AP5A0407	RT4104L	V L S I LAB	23	46	2
14AP5A0407	RT4104M	MICROWAVE ENGINEERING LAB	23	47	2
14AP5A0408	RT41041	VLSI DESIGN	23	32	3
14AP5A0408	RT41042	COMPUTER NETWORKS	17	33	3
14AP5A0408	RT41043	DIGITAL IMAGE PROCESSING	20	3	0
14AP5A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	24	3
14AP5A0408	RT41045	ELECTRONIC SWITCHING SYSTEMS	20	38	3

Htno	Subcode	Subname	Internal	External	credits
14AP5A0408	RT4104A	OPTICAL COMMUNICATION	20	48	3
14AP5A0408	RT4104L	V L S I LAB	23	45	2
14AP5A0408	RT4104M	MICROWAVE ENGINEERING LAB	23	47	2
14AP5A0409	RT41041	VLSI DESIGN	27	39	3
14AP5A0409	RT41042	COMPUTER NETWORKS	26	24	3
14AP5A0409	RT41043	DIGITAL IMAGE PROCESSING	24	26	3
14AP5A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	6	0
14AP5A0409	RT41045	ELECTRONIC SWITCHING SYSTEMS	26	46	3
14AP5A0409	RT4104A	OPTICAL COMMUNICATION	26	34	3
14AP5A0409	RT4104L	V L S I LAB	24	47	2
14AP5A0409	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
14AP5A0410	RT41041	VLSI DESIGN	24	11	0
14AP5A0410	RT41042	COMPUTER NETWORKS	21	32	3
14AP5A0410	RT41043	DIGITAL IMAGE PROCESSING	21	2	0
14AP5A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	14	0
14AP5A0410	RT41045	ELECTRONIC SWITCHING SYSTEMS	23	26	3
14AP5A0410	RT4104A	OPTICAL COMMUNICATION	17	10	0
14AP5A0410	RT4104L	V L S I LAB	24	48	2
14AP5A0410	RT4104M	MICROWAVE ENGINEERING LAB	25	49	2
14AP5A0411	RT41041	VLSI DESIGN	25	44	3
14AP5A0411	RT41042	COMPUTER NETWORKS	22	26	3
14AP5A0411	RT41043	DIGITAL IMAGE PROCESSING	19	10	0
14AP5A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	37	3
14AP5A0411	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	35	3
14AP5A0411	RT4104A	OPTICAL COMMUNICATION	19	10	0
14AP5A0411	RT4104L	V L S I LAB	24	48	2
14AP5A0411	RT4104M	MICROWAVE ENGINEERING LAB	25	48	2
14AP5A0412	RT41041	VLSI DESIGN	24	46	3
14AP5A0412	RT41042	COMPUTER NETWORKS	23	42	3
14AP5A0412	RT41043	DIGITAL IMAGE PROCESSING	20	7	0
14AP5A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	27	3
14AP5A0412	RT41045	ELECTRONIC SWITCHING SYSTEMS	25	41	3
14AP5A0412	RT4104A	OPTICAL COMMUNICATION	21	49	3
14AP5A0412	RT4104L	V L S I LAB	23	47	2
14AP5A0412	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
14AP5A0413	RT41041	VLSI DESIGN	17	40	3
14AP5A0413	RT41042	COMPUTER NETWORKS	17	30	3
14AP5A0413	RT41043	DIGITAL IMAGE PROCESSING	19	13	0
14AP5A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	3	0
14AP5A0413	RT41045	ELECTRONIC SWITCHING SYSTEMS	20	33	3
14AP5A0413	RT4104A	OPTICAL COMMUNICATION	20	8	0
14AP5A0413	RT4104L	V L S I LAB	22	44	2
14AP5A0413	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
14AP5A0415	RT41041	VLSI DESIGN	20	31	3
14AP5A0415	RT41042	COMPUTER NETWORKS	21	30	3
14AP5A0415	RT41043	DIGITAL IMAGE PROCESSING	15	14	0
14AP5A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	4	0
14AP5A0415	RT41045	ELECTRONIC SWITCHING SYSTEMS	17	-1	0
14AP5A0415	RT4104A	OPTICAL COMMUNICATION	19	2	0
14AP5A0415	RT4104L	V L S I LAB	21	-1	0

Htno	Subcode	Subname	Internal	External	credits
14AP5A0415	RT4104M	MICROWAVE ENGINEERING LAB	20	-1	0
14AP5A0417	RT41041	VLSI DESIGN	21	48	3
14AP5A0417	RT41042	COMPUTER NETWORKS	18	35	3
14AP5A0417	RT41043	DIGITAL IMAGE PROCESSING	17	29	3
14AP5A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	24	3
14AP5A0417	RT41045	ELECTRONIC SWITCHING SYSTEMS	24	45	3
14AP5A0417	RT4104A	OPTICAL COMMUNICATION	21	39	3
14AP5A0417	RT4104L	V L S I LAB	23	45	2
14AP5A0417	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
14AP5A0418	RT41041	VLSI DESIGN	23	47	3
14AP5A0418	RT41042	COMPUTER NETWORKS	24	30	3
14AP5A0418	RT41043	DIGITAL IMAGE PROCESSING	19	4	0
14AP5A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	25	3
14AP5A0418	RT41045	ELECTRONIC SWITCHING SYSTEMS	22	26	3
14AP5A0418	RT4104A	OPTICAL COMMUNICATION	17	50	3
14AP5A0418	RT4104L	V L S I LAB	23	48	2
14AP5A0418	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2

****Note:-** For Recounting/Revaluation/Challenge By Revaluation Apply through ONLINE only on or before 18-01-2017.

**** Note:****

- * -1 in the filed of externals indicates student absent for the respective subject.
- * -2 in the filed of externals indicates student Withheld for the respective subject.
- * -3 in the filed of externals indicates student Malpractice for the respective subject.

N. Mohan Rao

Date:09-01-2017

Controller of Examinations