



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for IV B.Tech I Semester [R13/R10] Regular/Supplementary Examinations Oct/Nov-2018

College: DMS SVH COLLEGE OF ENGINEERING:3C

Htno	Subcode	Subname	Internal	External	Credits
123C1A0218	R4102A	ELECTRICAL DISTRIBUTION SYSTEMS	16	11	0
123C1A0451	R41043	DIGITAL IMAGE PROCESSING	15	0	0
123C1A0452	R41043	DIGITAL IMAGE PROCESSING	4	0	0
123C1A0452	R41044	RADAR SYSTEMS	15	0	0
123C1A0452	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	5	24	0
123C1A0452	R41048	BIO-MEDICAL ENGINEERING	9	0	0
123C1A0475	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	4	0	0
123C1A0509	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	14	0	0
123C1A0520	R4105B	SOFTWARE PROJECT MANAGEMENT	11	21	0
133C1A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	14	0
133C1A0104	RT41017	AIR POLLUTION AND CONTROL	5	12	0
133C1A0133	RT41014	WATER RESOURCES ENGINEERING - II	21	25	3
133C1A0301	RT41031	AUTOMOBILE ENGINEERING	18	19	0
133C1A0301	RT41033	FINITE ELEMENT METHODS	17	7	0
133C1A0301	RT41035	MEMS	13	6	0
133C1A0318	RT41031	AUTOMOBILE ENGINEERING	9	40	3
133C1A0318	RT41032	CAD / CAM	16	-1	0
133C1A0318	RT41033	FINITE ELEMENT METHODS	11	0	0
133C1A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	5	0	0
133C1A0318	RT41035	MEMS	15	-1	0
133C1A0321	RT41039	AUTOMATION IN MANUFACTURING	10	35	3
133C1A0322	RT41033	FINITE ELEMENT METHODS	17	6	0
133C1A0323	RT41033	FINITE ELEMENT METHODS	18	18	0
133C1A0325	RT41033	FINITE ELEMENT METHODS	18	9	0
133C1A0328	RT41031	AUTOMOBILE ENGINEERING	18	28	3
133C1A0328	RT41033	FINITE ELEMENT METHODS	20	30	3
133C1A0328	RT41035	MEMS	19	10	0
133C1A0328	RT41039	AUTOMATION IN MANUFACTURING	6	-1	0
133C1A0330	RT41032	CAD / CAM	23	6	0
133C1A0330	RT41033	FINITE ELEMENT METHODS	19	7	0
133C1A0330	RT41035	MEMS	19	30	3
133C1A0334	RT41031	AUTOMOBILE ENGINEERING	12	-1	0
133C1A0334	RT41033	FINITE ELEMENT METHODS	20	6	0
133C1A0334	RT41035	MEMS	20	4	0
133C1A0341	RT41033	FINITE ELEMENT METHODS	17	9	0
133C1A0348	RT41035	MEMS	18	8	0
133C1A0351	RT41033	FINITE ELEMENT METHODS	17	22	0
133C1A0366	RT41032	CAD / CAM	22	1	0
133C1A0366	RT41033	FINITE ELEMENT METHODS	12	6	0
133C1A0376	RT41033	FINITE ELEMENT METHODS	23	11	0
133C1A03A8	RT41033	FINITE ELEMENT METHODS	26	12	0
133C1A03A8	RT41035	MEMS	21	7	0
133C1A03B2	RT41033	FINITE ELEMENT METHODS	21	34	3
133C1A0407	RT41043	DIGITAL IMAGE PROCESSING	17	14	0

Htno	Subcode	Subname	Internal	External	Credits
133C1A0407	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	19	11	0
133C1A0416	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	17	13	0
133C1A0431	RT41043	DIGITAL IMAGE PROCESSING	14	10	0
133C1A0431	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	13	0
133C1A0440	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	29	3
133C1A0440	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	14	11	0
133C1A0443	RT41043	DIGITAL IMAGE PROCESSING	14	-1	0
133C1A0443	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	15	5	0
133C1A0443	RT4104A	OPTICAL COMMUNICATION	15	7	0
133C1A0515	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	7	0
133C1A0516	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	0	0
133C1A0516	RT4105B	HADOOP AND BIG DATA	9	0	0
143C1A0111	RT41012	PRESTRESSED CONCRETE	27	11	0
143C1A0111	RT41014	WATER RESOURCES ENGINEERING - II	22	12	0
143C1A0112	RT41014	WATER RESOURCES ENGINEERING - II	24	0	0
143C1A0135	RT41011	ENVIRONMENTAL ENGINEERING- II	13	40	3
143C1A0206	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	17	3	0
143C1A0304	RT41033	FINITE ELEMENT METHODS	24	15	0
143C1A0307	RT41031	AUTOMOBILE ENGINEERING	17	28	3
143C1A0307	RT41033	FINITE ELEMENT METHODS	16	26	3
143C1A0308	RT41033	FINITE ELEMENT METHODS	19	14	0
143C1A0310	RT41031	AUTOMOBILE ENGINEERING	16	31	3
143C1A0310	RT41035	MEMS	18	24	3
143C1A0311	RT41031	AUTOMOBILE ENGINEERING	9	5	0
143C1A0311	RT41033	FINITE ELEMENT METHODS	15	12	0
143C1A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	10	0	0
143C1A0311	RT41035	MEMS	12	5	0
143C1A0313	RT41031	AUTOMOBILE ENGINEERING	21	37	3
143C1A0313	RT41033	FINITE ELEMENT METHODS	18	9	0
143C1A0315	RT41031	AUTOMOBILE ENGINEERING	20	28	3
143C1A0315	RT41033	FINITE ELEMENT METHODS	23	16	0
143C1A0315	RT41039	AUTOMATION IN MANUFACTURING	18	28	3
143C1A0321	RT41033	FINITE ELEMENT METHODS	23	17	0
143C1A0321	RT41035	MEMS	12	28	3
143C1A0321	RT41039	AUTOMATION IN MANUFACTURING	24	26	3
143C1A0322	RT41033	FINITE ELEMENT METHODS	16	20	0
143C1A0326	RT41033	FINITE ELEMENT METHODS	20	0	0
143C1A0327	RT41033	FINITE ELEMENT METHODS	17	0	0
143C1A0334	RT41033	FINITE ELEMENT METHODS	16	15	0
143C1A0335	RT41033	FINITE ELEMENT METHODS	26	22	0
143C1A0336	RT41033	FINITE ELEMENT METHODS	17	20	0
143C1A0338	RT41033	FINITE ELEMENT METHODS	25	14	0
143C1A0338	RT41039	AUTOMATION IN MANUFACTURING	22	40	3
143C1A0347	RT41031	AUTOMOBILE ENGINEERING	20	24	3
143C1A0347	RT41032	CAD / CAM	23	7	0
143C1A0347	RT41033	FINITE ELEMENT METHODS	23	0	0
143C1A0347	RT41035	MEMS	8	5	0
143C1A0347	RT41039	AUTOMATION IN MANUFACTURING	21	2	0
143C1A0348	RT41032	CAD / CAM	22	2	0
143C1A0348	RT41033	FINITE ELEMENT METHODS	18	17	0

Htno	Subcode	Subname	Internal	External	Credits
143C1A0349	RT41033	FINITE ELEMENT METHODS	24	15	0
143C1A0352	RT41033	FINITE ELEMENT METHODS	20	12	0
143C1A0353	RT41033	FINITE ELEMENT METHODS	22	38	3
143C1A0356	RT41033	FINITE ELEMENT METHODS	20	34	3
143C1A0358	RT41033	FINITE ELEMENT METHODS	20	16	0
143C1A0360	RT41033	FINITE ELEMENT METHODS	19	0	0
143C1A0360	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	3	0
143C1A0362	RT41033	FINITE ELEMENT METHODS	20	20	0
143C1A0370	RT41033	FINITE ELEMENT METHODS	18	0	0
143C1A0370	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	0	0
143C1A0370	RT41035	MEMS	12	10	0
143C1A0370	RT41039	AUTOMATION IN MANUFACTURING	18	0	0
143C1A0405	RT41043	DIGITAL IMAGE PROCESSING	20	0	0
143C1A0405	RT4104A	OPTICAL COMMUNICATION	10	26	0
143C1A0409	RT41041	VLSI DESIGN	13	5	0
143C1A0409	RT41042	COMPUTER NETWORKS	16	1	0
143C1A0409	RT41043	DIGITAL IMAGE PROCESSING	21	0	0
143C1A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	14	29	3
143C1A0409	RT41048	RADAR SYSTEMS	10	1	0
143C1A0409	RT4104A	OPTICAL COMMUNICATION	13	6	0
143C1A0410	RT4104A	OPTICAL COMMUNICATION	13	-1	0
143C1A0437	RT41041	VLSI DESIGN	20	34	3
143C1A0437	RT41043	DIGITAL IMAGE PROCESSING	9	13	0
143C1A0437	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	11	0
143C1A0441	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	33	3
143C1A0513	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	3	0
143C1A0513	RT41052	UML AND DESIGN PATTERNS	20	1	0
143C1A0513	RT41053	MOBILE COMPUTING	20	0	0
143C1A0513	RT41054	SOFTWARE TESTING METHODOLOGIES	16	15	0
143C1A0513	RT4105B	HADOOP AND BIG DATA	20	19	0
143C1A0515	RT41052	UML AND DESIGN PATTERNS	18	-1	0
143C1A0515	RT41053	MOBILE COMPUTING	23	-1	0
143C1A0516	RT41053	MOBILE COMPUTING	25	32	3
143C1A0531	RT41053	MOBILE COMPUTING	23	24	3
143C5A0320	RT41033	FINITE ELEMENT METHODS	20	-1	0
143C5A0402	RT41041	VLSI DESIGN	8	0	0
143C5A0402	RT41042	COMPUTER NETWORKS	13	5	0
143C5A0402	RT41043	DIGITAL IMAGE PROCESSING	10	26	0
143C5A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	11	0
143C5A0402	RT41048	RADAR SYSTEMS	8	8	0
143C5A0403	RT41043	DIGITAL IMAGE PROCESSING	12	10	0
143C5A0403	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	13	15	0
143C5A0405	RT41043	DIGITAL IMAGE PROCESSING	13	30	3
143C5A0412	RT41043	DIGITAL IMAGE PROCESSING	11	0	0
143C5A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	30	3
143C5A0412	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	16	15	0
143C5A0428	RT41041	VLSI DESIGN	16	27	3
143C5A0428	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	15	0
143C5A0428	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	16	12	0
143C5A0432	RT41043	DIGITAL IMAGE PROCESSING	16	0	0

Htno	Subcode	Subname	Internal	External	Credits
143C5A0432	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	17	0	0
143C5A0435	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	11	11	0
143C5A0440	RT41047	OBJECT ORIENTED PROGRAMMING AND OS	16	16	0
143C5A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	23	0
143C5A0502	RT4105B	HADOOP AND BIG DATA	13	25	0
153C1A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	27	27	3
153C1A0101	RT41012	PRESTRESSED CONCRETE	25	43	3
153C1A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	43	3
153C1A0101	RT41014	WATER RESOURCES ENGINEERING - II	26	34	3
153C1A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	31	3
153C1A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	33	3
153C1A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
153C1A0101	RT4101M	GIS AND CAD LAB	22	44	2
153C1A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	23	39	3
153C1A0102	RT41012	PRESTRESSED CONCRETE	24	55	3
153C1A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	37	3
153C1A0102	RT41014	WATER RESOURCES ENGINEERING - II	22	24	3
153C1A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	66	3
153C1A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	34	3
153C1A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
153C1A0102	RT4101M	GIS AND CAD LAB	22	43	2
153C1A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	29	36	3
153C1A0104	RT41012	PRESTRESSED CONCRETE	27	24	3
153C1A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	55	3
153C1A0104	RT41014	WATER RESOURCES ENGINEERING - II	25	35	3
153C1A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	39	3
153C1A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	28	3
153C1A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0104	RT4101M	GIS AND CAD LAB	23	47	2
153C1A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	30	62	3
153C1A0105	RT41012	PRESTRESSED CONCRETE	30	70	3
153C1A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	52	3
153C1A0105	RT41014	WATER RESOURCES ENGINEERING - II	26	55	3
153C1A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	49	3
153C1A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	57	3
153C1A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0105	RT4101M	GIS AND CAD LAB	24	49	2
153C1A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	24	27	3
153C1A0106	RT41012	PRESTRESSED CONCRETE	23	40	3
153C1A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	44	3
153C1A0106	RT41014	WATER RESOURCES ENGINEERING - II	23	34	3
153C1A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	44	3
153C1A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	30	3
153C1A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	40	2
153C1A0106	RT4101M	GIS AND CAD LAB	21	43	2
153C1A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	23	13	0
153C1A0107	RT41012	PRESTRESSED CONCRETE	25	49	3
153C1A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	24	3
153C1A0107	RT41014	WATER RESOURCES ENGINEERING - II	23	12	0
153C1A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	40	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	25	3
153C1A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	41	2
153C1A0107	RT4101M	GIS AND CAD LAB	21	44	2
153C1A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	26	35	3
153C1A0108	RT41012	PRESTRESSED CONCRETE	28	39	3
153C1A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	59	3
153C1A0108	RT41014	WATER RESOURCES ENGINEERING - II	29	39	3
153C1A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	40	3
153C1A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	29	33	3
153C1A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
153C1A0108	RT4101M	GIS AND CAD LAB	24	49	2
153C1A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	19	0	0
153C1A0109	RT41012	PRESTRESSED CONCRETE	26	11	0
153C1A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	15	13	0
153C1A0109	RT41014	WATER RESOURCES ENGINEERING - II	22	3	0
153C1A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	2	0
153C1A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	15	6	0
153C1A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	15	35	2
153C1A0109	RT4101M	GIS AND CAD LAB	21	41	2
153C1A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	26	41	3
153C1A0110	RT41012	PRESTRESSED CONCRETE	28	49	3
153C1A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	39	3
153C1A0110	RT41014	WATER RESOURCES ENGINEERING - II	28	40	3
153C1A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	35	3
153C1A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	41	3
153C1A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0110	RT4101M	GIS AND CAD LAB	24	48	2
153C1A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	23	34	3
153C1A0111	RT41012	PRESTRESSED CONCRETE	27	68	3
153C1A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	24	3
153C1A0111	RT41014	WATER RESOURCES ENGINEERING - II	26	49	3
153C1A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	30	3
153C1A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	32	3
153C1A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	45	2
153C1A0111	RT4101M	GIS AND CAD LAB	24	47	2
153C1A0112	RT41011	ENVIRONMENTAL ENGINEERING- II	24	27	3
153C1A0112	RT41012	PRESTRESSED CONCRETE	24	11	0
153C1A0112	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	40	3
153C1A0112	RT41014	WATER RESOURCES ENGINEERING - II	25	29	3
153C1A0112	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	27	3
153C1A0112	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	16	0
153C1A0112	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	40	2
153C1A0112	RT4101M	GIS AND CAD LAB	23	46	2
153C1A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	22	38	3
153C1A0113	RT41012	PRESTRESSED CONCRETE	22	24	3
153C1A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	39	3
153C1A0113	RT41014	WATER RESOURCES ENGINEERING - II	19	25	3
153C1A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	37	3
153C1A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	35	3
153C1A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0113	RT4101M	GIS AND CAD LAB	23	46	2
153C1A0114	RT41011	ENVIRONMENTAL ENGINEERING- II	24	40	3
153C1A0114	RT41012	PRESTRESSED CONCRETE	27	41	3
153C1A0114	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	46	3
153C1A0114	RT41014	WATER RESOURCES ENGINEERING - II	28	17	0
153C1A0114	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	48	3
153C1A0114	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	28	3
153C1A0114	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	46	2
153C1A0114	RT4101M	GIS AND CAD LAB	22	45	2
153C1A0115	RT41011	ENVIRONMENTAL ENGINEERING- II	24	41	3
153C1A0115	RT41012	PRESTRESSED CONCRETE	21	52	3
153C1A0115	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	37	3
153C1A0115	RT41014	WATER RESOURCES ENGINEERING - II	26	9	0
153C1A0115	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	34	3
153C1A0115	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	26	3
153C1A0115	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
153C1A0115	RT4101M	GIS AND CAD LAB	23	46	2
153C1A0116	RT41011	ENVIRONMENTAL ENGINEERING- II	24	14	0
153C1A0116	RT41012	PRESTRESSED CONCRETE	19	7	0
153C1A0116	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	18	33	3
153C1A0116	RT41014	WATER RESOURCES ENGINEERING - II	19	31	3
153C1A0116	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	30	3
153C1A0116	RT41016	GROUND IMPROVEMENT TECHNIQUES	16	13	0
153C1A0116	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	39	2
153C1A0116	RT4101M	GIS AND CAD LAB	22	43	2
153C1A0117	RT41011	ENVIRONMENTAL ENGINEERING- II	25	31	3
153C1A0117	RT41012	PRESTRESSED CONCRETE	26	61	3
153C1A0117	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	41	3
153C1A0117	RT41014	WATER RESOURCES ENGINEERING - II	26	37	3
153C1A0117	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	17	0
153C1A0117	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	31	3
153C1A0117	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	38	2
153C1A0117	RT4101M	GIS AND CAD LAB	23	44	2
153C1A0118	RT41011	ENVIRONMENTAL ENGINEERING- II	19	31	3
153C1A0118	RT41012	PRESTRESSED CONCRETE	26	41	3
153C1A0118	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	17	44	3
153C1A0118	RT41014	WATER RESOURCES ENGINEERING - II	22	3	0
153C1A0118	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	30	3
153C1A0118	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	31	3
153C1A0118	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	39	2
153C1A0118	RT4101M	GIS AND CAD LAB	22	41	2
153C1A0119	RT41011	ENVIRONMENTAL ENGINEERING- II	29	43	3
153C1A0119	RT41012	PRESTRESSED CONCRETE	25	53	3
153C1A0119	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	30	49	3
153C1A0119	RT41014	WATER RESOURCES ENGINEERING - II	26	26	3
153C1A0119	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	34	3
153C1A0119	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	34	3
153C1A0119	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0119	RT4101M	GIS AND CAD LAB	24	47	2
153C1A0120	RT41011	ENVIRONMENTAL ENGINEERING- II	20	30	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0120	RT41012	PRESTRESSED CONCRETE	17	7	0
153C1A0120	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	18	24	3
153C1A0120	RT41014	WATER RESOURCES ENGINEERING - II	24	27	3
153C1A0120	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	25	3
153C1A0120	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	8	0
153C1A0120	RT4101L	ENVIRONMENTAL ENGINEERING LAB	14	36	2
153C1A0120	RT4101M	GIS AND CAD LAB	24	48	2
153C1A0121	RT41011	ENVIRONMENTAL ENGINEERING- II	24	42	3
153C1A0121	RT41012	PRESTRESSED CONCRETE	26	63	3
153C1A0121	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	38	3
153C1A0121	RT41014	WATER RESOURCES ENGINEERING - II	28	35	3
153C1A0121	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	34	3
153C1A0121	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	35	3
153C1A0121	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0121	RT4101M	GIS AND CAD LAB	24	48	2
153C1A0122	RT41011	ENVIRONMENTAL ENGINEERING- II	26	38	3
153C1A0122	RT41012	PRESTRESSED CONCRETE	28	53	3
153C1A0122	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	48	3
153C1A0122	RT41014	WATER RESOURCES ENGINEERING - II	27	35	3
153C1A0122	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	30	3
153C1A0122	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	30	3
153C1A0122	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
153C1A0122	RT4101M	GIS AND CAD LAB	25	49	2
153C1A0123	RT41011	ENVIRONMENTAL ENGINEERING- II	22	17	0
153C1A0123	RT41012	PRESTRESSED CONCRETE	25	62	3
153C1A0123	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	49	3
153C1A0123	RT41014	WATER RESOURCES ENGINEERING - II	20	5	0
153C1A0123	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	34	3
153C1A0123	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	25	3
153C1A0123	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	37	2
153C1A0123	RT4101M	GIS AND CAD LAB	22	43	2
153C1A0124	RT41011	ENVIRONMENTAL ENGINEERING- II	22	34	3
153C1A0124	RT41012	PRESTRESSED CONCRETE	25	27	3
153C1A0124	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	50	3
153C1A0124	RT41014	WATER RESOURCES ENGINEERING - II	25	38	3
153C1A0124	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	42	3
153C1A0124	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	24	3
153C1A0124	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	38	2
153C1A0124	RT4101M	GIS AND CAD LAB	22	44	2
153C1A0125	RT41011	ENVIRONMENTAL ENGINEERING- II	29	52	3
153C1A0125	RT41012	PRESTRESSED CONCRETE	30	70	3
153C1A0125	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	56	3
153C1A0125	RT41014	WATER RESOURCES ENGINEERING - II	29	49	3
153C1A0125	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	58	3
153C1A0125	RT41016	GROUND IMPROVEMENT TECHNIQUES	28	54	3
153C1A0125	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0125	RT4101M	GIS AND CAD LAB	25	49	2
153C1A0127	RT41011	ENVIRONMENTAL ENGINEERING- II	24	32	3
153C1A0127	RT41012	PRESTRESSED CONCRETE	23	27	3
153C1A0127	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	42	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0127	RT41014	WATER RESOURCES ENGINEERING - II	23	34	3
153C1A0127	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	34	3
153C1A0127	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	40	3
153C1A0127	RT4101L	ENVIRONMENTAL ENGINEERING LAB	14	36	2
153C1A0127	RT4101M	GIS AND CAD LAB	23	44	2
153C1A0129	RT41011	ENVIRONMENTAL ENGINEERING- II	23	25	3
153C1A0129	RT41012	PRESTRESSED CONCRETE	21	53	3
153C1A0129	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	16	0
153C1A0129	RT41014	WATER RESOURCES ENGINEERING - II	25	15	0
153C1A0129	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	35	3
153C1A0129	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	25	3
153C1A0129	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	38	2
153C1A0129	RT4101M	GIS AND CAD LAB	22	45	2
153C1A0130	RT41011	ENVIRONMENTAL ENGINEERING- II	28	38	3
153C1A0130	RT41012	PRESTRESSED CONCRETE	28	42	3
153C1A0130	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	62	3
153C1A0130	RT41014	WATER RESOURCES ENGINEERING - II	29	43	3
153C1A0130	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	34	3
153C1A0130	RT41016	GROUND IMPROVEMENT TECHNIQUES	28	30	3
153C1A0130	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
153C1A0130	RT4101M	GIS AND CAD LAB	23	48	2
153C1A0131	RT41011	ENVIRONMENTAL ENGINEERING- II	25	45	3
153C1A0131	RT41012	PRESTRESSED CONCRETE	24	57	3
153C1A0131	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	45	3
153C1A0131	RT41014	WATER RESOURCES ENGINEERING - II	27	41	3
153C1A0131	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	24	3
153C1A0131	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	44	3
153C1A0131	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
153C1A0131	RT4101M	GIS AND CAD LAB	22	46	2
153C1A0132	RT41011	ENVIRONMENTAL ENGINEERING- II	25	39	3
153C1A0132	RT41012	PRESTRESSED CONCRETE	26	40	3
153C1A0132	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	39	3
153C1A0132	RT41014	WATER RESOURCES ENGINEERING - II	25	24	3
153C1A0132	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	45	3
153C1A0132	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	34	3
153C1A0132	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	40	2
153C1A0132	RT4101M	GIS AND CAD LAB	24	47	2
153C1A0133	RT41011	ENVIRONMENTAL ENGINEERING- II	23	26	3
153C1A0133	RT41012	PRESTRESSED CONCRETE	19	52	3
153C1A0133	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	24	3
153C1A0133	RT41014	WATER RESOURCES ENGINEERING - II	27	18	0
153C1A0133	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	33	3
153C1A0133	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	29	3
153C1A0133	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
153C1A0133	RT4101M	GIS AND CAD LAB	22	46	2
153C1A0134	RT41011	ENVIRONMENTAL ENGINEERING- II	23	12	0
153C1A0134	RT41012	PRESTRESSED CONCRETE	23	4	0
153C1A0134	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	28	3
153C1A0134	RT41014	WATER RESOURCES ENGINEERING - II	25	30	3
153C1A0134	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	31	3



Htno	Subcode	Subname	Internal	External	Credits
153C1A0134	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	12	0
153C1A0134	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	39	2
153C1A0134	RT4101M	GIS AND CAD LAB	22	45	2
153C1A0135	RT41011	ENVIRONMENTAL ENGINEERING- II	21	37	3
153C1A0135	RT41012	PRESTRESSED CONCRETE	21	47	3
153C1A0135	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	29	3
153C1A0135	RT41014	WATER RESOURCES ENGINEERING - II	23	34	3
153C1A0135	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	24	3
153C1A0135	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	32	3
153C1A0135	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	36	2
153C1A0135	RT4101M	GIS AND CAD LAB	23	44	2
153C1A0136	RT41011	ENVIRONMENTAL ENGINEERING- II	28	35	3
153C1A0136	RT41012	PRESTRESSED CONCRETE	28	58	3
153C1A0136	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	46	3
153C1A0136	RT41014	WATER RESOURCES ENGINEERING - II	29	35	3
153C1A0136	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	45	3
153C1A0136	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	33	3
153C1A0136	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	47	2
153C1A0136	RT4101M	GIS AND CAD LAB	24	48	2
153C1A0137	RT41011	ENVIRONMENTAL ENGINEERING- II	30	58	3
153C1A0137	RT41012	PRESTRESSED CONCRETE	28	63	3
153C1A0137	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	41	3
153C1A0137	RT41014	WATER RESOURCES ENGINEERING - II	28	41	3
153C1A0137	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	55	3
153C1A0137	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	43	3
153C1A0137	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0137	RT4101M	GIS AND CAD LAB	24	49	2
153C1A0138	RT41011	ENVIRONMENTAL ENGINEERING- II	19	32	3
153C1A0138	RT41012	PRESTRESSED CONCRETE	26	17	0
153C1A0138	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	53	3
153C1A0138	RT41014	WATER RESOURCES ENGINEERING - II	23	27	3
153C1A0138	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	39	3
153C1A0138	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	24	3
153C1A0138	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	36	2
153C1A0138	RT4101M	GIS AND CAD LAB	22	46	2
153C1A0139	RT41011	ENVIRONMENTAL ENGINEERING- II	20	46	3
153C1A0139	RT41012	PRESTRESSED CONCRETE	17	51	3
153C1A0139	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	41	3
153C1A0139	RT41014	WATER RESOURCES ENGINEERING - II	19	33	3
153C1A0139	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	30	3
153C1A0139	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	43	3
153C1A0139	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	40	2
153C1A0139	RT4101M	GIS AND CAD LAB	23	46	2
153C1A0141	RT41011	ENVIRONMENTAL ENGINEERING- II	24	26	3
153C1A0141	RT41012	PRESTRESSED CONCRETE	25	43	3
153C1A0141	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	42	3
153C1A0141	RT41014	WATER RESOURCES ENGINEERING - II	27	24	3
153C1A0141	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	38	3
153C1A0141	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	33	3
153C1A0141	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	36	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0141	RT4101M	GIS AND CAD LAB	24	47	2
153C1A0142	RT41011	ENVIRONMENTAL ENGINEERING- II	30	42	3
153C1A0142	RT41012	PRESTRESSED CONCRETE	30	62	3
153C1A0142	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	38	3
153C1A0142	RT41014	WATER RESOURCES ENGINEERING - II	29	32	3
153C1A0142	RT41015	REMOTE SENSING AND GIS APPLICATIONS	29	42	3
153C1A0142	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	30	3
153C1A0142	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0142	RT4101M	GIS AND CAD LAB	24	48	2
153C1A0143	RT41011	ENVIRONMENTAL ENGINEERING- II	30	36	3
153C1A0143	RT41012	PRESTRESSED CONCRETE	30	35	3
153C1A0143	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	53	3
153C1A0143	RT41014	WATER RESOURCES ENGINEERING - II	28	36	3
153C1A0143	RT41015	REMOTE SENSING AND GIS APPLICATIONS	30	41	3
153C1A0143	RT41016	GROUND IMPROVEMENT TECHNIQUES	28	38	3
153C1A0143	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
153C1A0143	RT4101M	GIS AND CAD LAB	24	48	2
153C1A0144	RT41011	ENVIRONMENTAL ENGINEERING- II	19	35	3
153C1A0144	RT41012	PRESTRESSED CONCRETE	26	51	3
153C1A0144	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	38	3
153C1A0144	RT41014	WATER RESOURCES ENGINEERING - II	25	29	3
153C1A0144	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	12	0
153C1A0144	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	40	3
153C1A0144	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	37	2
153C1A0144	RT4101M	GIS AND CAD LAB	23	47	2
153C1A0145	RT41011	ENVIRONMENTAL ENGINEERING- II	20	26	3
153C1A0145	RT41012	PRESTRESSED CONCRETE	21	36	3
153C1A0145	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	39	3
153C1A0145	RT41014	WATER RESOURCES ENGINEERING - II	24	14	0
153C1A0145	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	50	3
153C1A0145	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	30	3
153C1A0145	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	36	2
153C1A0145	RT4101M	GIS AND CAD LAB	22	44	2
153C1A0146	RT41011	ENVIRONMENTAL ENGINEERING- II	23	24	3
153C1A0146	RT41012	PRESTRESSED CONCRETE	21	43	3
153C1A0146	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	24	3
153C1A0146	RT41014	WATER RESOURCES ENGINEERING - II	26	13	0
153C1A0146	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	34	3
153C1A0146	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	26	3
153C1A0146	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	37	2
153C1A0146	RT4101M	GIS AND CAD LAB	22	44	2
153C1A0147	RT41011	ENVIRONMENTAL ENGINEERING- II	26	35	3
153C1A0147	RT41012	PRESTRESSED CONCRETE	27	38	3
153C1A0147	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	52	3
153C1A0147	RT41014	WATER RESOURCES ENGINEERING - II	27	34	3
153C1A0147	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	41	3
153C1A0147	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	24	3
153C1A0147	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	38	2
153C1A0147	RT4101M	GIS AND CAD LAB	24	47	2
153C1A0149	RT41011	ENVIRONMENTAL ENGINEERING- II	20	24	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0149	RT41012	PRESTRESSED CONCRETE	17	24	3
153C1A0149	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	24	3
153C1A0149	RT41014	WATER RESOURCES ENGINEERING - II	20	2	0
153C1A0149	RT41015	REMOTE SENSING AND GIS APPLICATIONS	15	9	0
153C1A0149	RT41016	GROUND IMPROVEMENT TECHNIQUES	6	17	0
153C1A0149	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	30	2
153C1A0149	RT4101M	GIS AND CAD LAB	22	43	2
153C1A0150	RT41011	ENVIRONMENTAL ENGINEERING- II	20	25	3
153C1A0150	RT41012	PRESTRESSED CONCRETE	25	30	3
153C1A0150	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	18	26	3
153C1A0150	RT41014	WATER RESOURCES ENGINEERING - II	23	25	3
153C1A0150	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	5	0
153C1A0150	RT41016	GROUND IMPROVEMENT TECHNIQUES	13	30	3
153C1A0150	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	30	2
153C1A0150	RT4101M	GIS AND CAD LAB	22	43	2
153C1A0151	RT41011	ENVIRONMENTAL ENGINEERING- II	29	43	3
153C1A0151	RT41012	PRESTRESSED CONCRETE	29	62	3
153C1A0151	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	33	3
153C1A0151	RT41014	WATER RESOURCES ENGINEERING - II	28	24	3
153C1A0151	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	42	3
153C1A0151	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	31	3
153C1A0151	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	48	2
153C1A0151	RT4101M	GIS AND CAD LAB	25	49	2
153C1A0153	RT41011	ENVIRONMENTAL ENGINEERING- II	19	32	3
153C1A0153	RT41012	PRESTRESSED CONCRETE	25	26	3
153C1A0153	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	43	3
153C1A0153	RT41014	WATER RESOURCES ENGINEERING - II	24	26	3
153C1A0153	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	37	3
153C1A0153	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	12	0
153C1A0153	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	30	2
153C1A0153	RT4101M	GIS AND CAD LAB	22	44	2
153C1A0154	RT41011	ENVIRONMENTAL ENGINEERING- II	18	43	3
153C1A0154	RT41012	PRESTRESSED CONCRETE	25	48	3
153C1A0154	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	37	3
153C1A0154	RT41014	WATER RESOURCES ENGINEERING - II	24	37	3
153C1A0154	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	34	3
153C1A0154	RT41016	GROUND IMPROVEMENT TECHNIQUES	16	31	3
153C1A0154	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	30	2
153C1A0154	RT4101M	GIS AND CAD LAB	22	44	2
153C1A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	21	0
153C1A0202	RT41022	HVAC AND DC TRANSMISSION	24	11	0
153C1A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	5	0
153C1A0202	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	18	2	0
153C1A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	15	0
153C1A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
153C1A0202	RT4102M	ELECTRICAL SIMULATION LAB	16	32	2
153C1A0202	RT4102N	POWER SYSTEMS LAB	23	45	2
153C1A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	34	3
153C1A0203	RT41022	HVAC AND DC TRANSMISSION	27	46	3
153C1A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	5	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0203	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	23	24	3
153C1A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	41	3
153C1A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
153C1A0203	RT4102M	ELECTRICAL SIMULATION LAB	22	40	2
153C1A0203	RT4102N	POWER SYSTEMS LAB	24	48	2
153C1A0301	RT41031	AUTOMOBILE ENGINEERING	26	33	3
153C1A0301	RT41032	CAD / CAM	25	44	3
153C1A0301	RT41033	FINITE ELEMENT METHODS	24	30	3
153C1A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	38	3
153C1A0301	RT41035	MEMS	16	31	3
153C1A0301	RT41039	AUTOMATION IN MANUFACTURING	24	30	3
153C1A0301	RT4103L	SIMULATION LAB	24	38	2
153C1A0301	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
153C1A0302	RT41031	AUTOMOBILE ENGINEERING	29	38	3
153C1A0302	RT41032	CAD / CAM	28	31	3
153C1A0302	RT41033	FINITE ELEMENT METHODS	28	39	3
153C1A0302	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	42	3
153C1A0302	RT41035	MEMS	23	33	3
153C1A0302	RT41039	AUTOMATION IN MANUFACTURING	28	43	3
153C1A0302	RT4103L	SIMULATION LAB	24	42	2
153C1A0302	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0303	RT41031	AUTOMOBILE ENGINEERING	22	33	3
153C1A0303	RT41032	CAD / CAM	19	2	0
153C1A0303	RT41033	FINITE ELEMENT METHODS	21	9	0
153C1A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	0	0
153C1A0303	RT41035	MEMS	4	13	0
153C1A0303	RT41039	AUTOMATION IN MANUFACTURING	21	9	0
153C1A0303	RT4103L	SIMULATION LAB	22	35	2
153C1A0303	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
153C1A0304	RT41031	AUTOMOBILE ENGINEERING	20	38	3
153C1A0304	RT41032	CAD / CAM	24	15	0
153C1A0304	RT41033	FINITE ELEMENT METHODS	24	24	3
153C1A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	30	3
153C1A0304	RT41035	MEMS	19	26	3
153C1A0304	RT41039	AUTOMATION IN MANUFACTURING	21	34	3
153C1A0304	RT4103L	SIMULATION LAB	24	30	2
153C1A0304	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0305	RT41031	AUTOMOBILE ENGINEERING	23	38	3
153C1A0305	RT41032	CAD / CAM	24	39	3
153C1A0305	RT41033	FINITE ELEMENT METHODS	24	28	3
153C1A0305	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	35	3
153C1A0305	RT41035	MEMS	21	28	3
153C1A0305	RT41039	AUTOMATION IN MANUFACTURING	24	27	3
153C1A0305	RT4103L	SIMULATION LAB	24	47	2
153C1A0305	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0307	RT41031	AUTOMOBILE ENGINEERING	19	12	0
153C1A0307	RT41032	CAD / CAM	16	7	0
153C1A0307	RT41033	FINITE ELEMENT METHODS	22	9	0
153C1A0307	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	26	3
153C1A0307	RT41035	MEMS	12	28	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0307	RT41039	AUTOMATION IN MANUFACTURING	17	37	3
153C1A0307	RT4103L	SIMULATION LAB	21	46	2
153C1A0307	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0308	RT41031	AUTOMOBILE ENGINEERING	19	41	3
153C1A0308	RT41032	CAD / CAM	20	17	0
153C1A0308	RT41033	FINITE ELEMENT METHODS	19	24	3
153C1A0308	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	24	3
153C1A0308	RT41035	MEMS	11	41	3
153C1A0308	RT41039	AUTOMATION IN MANUFACTURING	20	44	3
153C1A0308	RT4103L	SIMULATION LAB	23	38	2
153C1A0308	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
153C1A0309	RT41031	AUTOMOBILE ENGINEERING	21	12	0
153C1A0309	RT41032	CAD / CAM	24	7	0
153C1A0309	RT41033	FINITE ELEMENT METHODS	22	27	3
153C1A0309	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	24	3
153C1A0309	RT41035	MEMS	13	36	3
153C1A0309	RT41039	AUTOMATION IN MANUFACTURING	24	37	3
153C1A0309	RT4103L	SIMULATION LAB	23	38	2
153C1A0309	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0310	RT41031	AUTOMOBILE ENGINEERING	18	41	3
153C1A0310	RT41032	CAD / CAM	21	24	3
153C1A0310	RT41033	FINITE ELEMENT METHODS	17	17	0
153C1A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	32	3
153C1A0310	RT41035	MEMS	12	36	3
153C1A0310	RT41039	AUTOMATION IN MANUFACTURING	19	27	3
153C1A0310	RT4103L	SIMULATION LAB	23	39	2
153C1A0310	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
153C1A0311	RT41031	AUTOMOBILE ENGINEERING	22	35	3
153C1A0311	RT41032	CAD / CAM	20	12	0
153C1A0311	RT41033	FINITE ELEMENT METHODS	19	24	3
153C1A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	24	3
153C1A0311	RT41035	MEMS	14	26	3
153C1A0311	RT41039	AUTOMATION IN MANUFACTURING	16	36	3
153C1A0311	RT4103L	SIMULATION LAB	20	39	2
153C1A0311	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
153C1A0312	RT41031	AUTOMOBILE ENGINEERING	23	44	3
153C1A0312	RT41032	CAD / CAM	22	32	3
153C1A0312	RT41033	FINITE ELEMENT METHODS	26	24	3
153C1A0312	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	17	0
153C1A0312	RT41035	MEMS	17	38	3
153C1A0312	RT41039	AUTOMATION IN MANUFACTURING	20	30	3
153C1A0312	RT4103L	SIMULATION LAB	22	45	2
153C1A0312	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0313	RT41031	AUTOMOBILE ENGINEERING	5	0	0
153C1A0313	RT41032	CAD / CAM	20	0	0
153C1A0313	RT41033	FINITE ELEMENT METHODS	0	0	0
153C1A0313	RT41034	UNCONVENTIONAL MACHINING PROCESSES	4	0	0
153C1A0313	RT41035	MEMS	0	0	0
153C1A0313	RT41039	AUTOMATION IN MANUFACTURING	0	0	0
153C1A0313	RT4103L	SIMULATION LAB	22	-1	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0313	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0315	RT41031	AUTOMOBILE ENGINEERING	23	44	3
153C1A0315	RT41032	CAD / CAM	21	32	3
153C1A0315	RT41033	FINITE ELEMENT METHODS	19	24	3
153C1A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	38	3
153C1A0315	RT41035	MEMS	13	33	3
153C1A0315	RT41039	AUTOMATION IN MANUFACTURING	19	31	3
153C1A0315	RT4103L	SIMULATION LAB	21	38	2
153C1A0315	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0316	RT41031	AUTOMOBILE ENGINEERING	16	32	3
153C1A0316	RT41032	CAD / CAM	16	0	0
153C1A0316	RT41033	FINITE ELEMENT METHODS	8	10	0
153C1A0316	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	11	0
153C1A0316	RT41035	MEMS	2	28	0
153C1A0316	RT41039	AUTOMATION IN MANUFACTURING	16	5	0
153C1A0316	RT4103L	SIMULATION LAB	19	30	2
153C1A0316	RT4103M	DESIGN FABRICATION PROJECT	37	0	1
153C1A0317	RT41031	AUTOMOBILE ENGINEERING	20	36	3
153C1A0317	RT41032	CAD / CAM	23	17	0
153C1A0317	RT41033	FINITE ELEMENT METHODS	17	24	3
153C1A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	31	3
153C1A0317	RT41035	MEMS	16	35	3
153C1A0317	RT41039	AUTOMATION IN MANUFACTURING	20	34	3
153C1A0317	RT4103L	SIMULATION LAB	23	36	2
153C1A0317	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
153C1A0318	RT41031	AUTOMOBILE ENGINEERING	19	21	0
153C1A0318	RT41032	CAD / CAM	25	9	0
153C1A0318	RT41033	FINITE ELEMENT METHODS	19	18	0
153C1A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	3	0
153C1A0318	RT41035	MEMS	13	21	0
153C1A0318	RT41039	AUTOMATION IN MANUFACTURING	18	14	0
153C1A0318	RT4103L	SIMULATION LAB	23	32	2
153C1A0318	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0319	RT41031	AUTOMOBILE ENGINEERING	25	45	3
153C1A0319	RT41032	CAD / CAM	20	50	3
153C1A0319	RT41033	FINITE ELEMENT METHODS	25	24	3
153C1A0319	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	45	3
153C1A0319	RT41035	MEMS	17	36	3
153C1A0319	RT41039	AUTOMATION IN MANUFACTURING	20	39	3
153C1A0319	RT4103L	SIMULATION LAB	23	32	2
153C1A0319	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0320	RT41031	AUTOMOBILE ENGINEERING	18	0	0
153C1A0320	RT41032	CAD / CAM	19	3	0
153C1A0320	RT41033	FINITE ELEMENT METHODS	23	14	0
153C1A0320	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	21	0
153C1A0320	RT41035	MEMS	2	-1	0
153C1A0320	RT41039	AUTOMATION IN MANUFACTURING	20	2	0
153C1A0320	RT4103L	SIMULATION LAB	20	30	2
153C1A0320	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0322	RT41031	AUTOMOBILE ENGINEERING	17	28	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0322	RT41032	CAD / CAM	21	25	3
153C1A0322	RT41033	FINITE ELEMENT METHODS	15	25	3
153C1A0322	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	32	3
153C1A0322	RT41035	MEMS	8	26	0
153C1A0322	RT41039	AUTOMATION IN MANUFACTURING	21	35	3
153C1A0322	RT4103L	SIMULATION LAB	22	30	2
153C1A0322	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0323	RT41031	AUTOMOBILE ENGINEERING	11	3	0
153C1A0323	RT41032	CAD / CAM	20	1	0
153C1A0323	RT41033	FINITE ELEMENT METHODS	15	6	0
153C1A0323	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	0	0
153C1A0323	RT41035	MEMS	8	19	0
153C1A0323	RT41039	AUTOMATION IN MANUFACTURING	14	0	0
153C1A0323	RT4103L	SIMULATION LAB	19	35	2
153C1A0323	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
153C1A0324	RT41031	AUTOMOBILE ENGINEERING	24	37	3
153C1A0324	RT41032	CAD / CAM	19	16	0
153C1A0324	RT41033	FINITE ELEMENT METHODS	16	10	0
153C1A0324	RT41034	UNCONVENTIONAL MACHINING PROCESSES	29	15	0
153C1A0324	RT41035	MEMS	11	19	0
153C1A0324	RT41039	AUTOMATION IN MANUFACTURING	18	6	0
153C1A0324	RT4103L	SIMULATION LAB	22	40	2
153C1A0324	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0325	RT41031	AUTOMOBILE ENGINEERING	22	12	0
153C1A0325	RT41032	CAD / CAM	16	4	0
153C1A0325	RT41033	FINITE ELEMENT METHODS	10	0	0
153C1A0325	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	4	0
153C1A0325	RT41035	MEMS	10	17	0
153C1A0325	RT41039	AUTOMATION IN MANUFACTURING	17	16	0
153C1A0325	RT4103L	SIMULATION LAB	22	25	2
153C1A0325	RT4103M	DESIGN FABRICATION PROJECT	39	0	1
153C1A0326	RT41031	AUTOMOBILE ENGINEERING	21	42	3
153C1A0326	RT41032	CAD / CAM	22	16	0
153C1A0326	RT41033	FINITE ELEMENT METHODS	21	26	3
153C1A0326	RT41034	UNCONVENTIONAL MACHINING PROCESSES	29	14	0
153C1A0326	RT41035	MEMS	13	35	3
153C1A0326	RT41039	AUTOMATION IN MANUFACTURING	21	35	3
153C1A0326	RT4103L	SIMULATION LAB	21	42	2
153C1A0326	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0327	RT41031	AUTOMOBILE ENGINEERING	15	0	0
153C1A0327	RT41032	CAD / CAM	23	0	0
153C1A0327	RT41033	FINITE ELEMENT METHODS	16	0	0
153C1A0327	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	6	0
153C1A0327	RT41035	MEMS	10	0	0
153C1A0327	RT41039	AUTOMATION IN MANUFACTURING	22	19	0
153C1A0327	RT4103L	SIMULATION LAB	23	37	2
153C1A0327	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
153C1A0328	RT41031	AUTOMOBILE ENGINEERING	15	9	0
153C1A0328	RT41032	CAD / CAM	20	11	0
153C1A0328	RT41033	FINITE ELEMENT METHODS	21	0	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0328	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	25	3
153C1A0328	RT41035	MEMS	12	31	3
153C1A0328	RT41039	AUTOMATION IN MANUFACTURING	14	18	0
153C1A0328	RT4103L	SIMULATION LAB	19	38	2
153C1A0328	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0329	RT41031	AUTOMOBILE ENGINEERING	16	24	3
153C1A0329	RT41032	CAD / CAM	19	5	0
153C1A0329	RT41033	FINITE ELEMENT METHODS	14	12	0
153C1A0329	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	17	0
153C1A0329	RT41035	MEMS	9	19	0
153C1A0329	RT41039	AUTOMATION IN MANUFACTURING	16	37	3
153C1A0329	RT4103L	SIMULATION LAB	19	30	2
153C1A0329	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0330	RT41031	AUTOMOBILE ENGINEERING	23	47	3
153C1A0330	RT41032	CAD / CAM	21	27	3
153C1A0330	RT41033	FINITE ELEMENT METHODS	27	26	3
153C1A0330	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	36	3
153C1A0330	RT41035	MEMS	19	52	3
153C1A0330	RT41039	AUTOMATION IN MANUFACTURING	23	37	3
153C1A0330	RT4103L	SIMULATION LAB	23	38	2
153C1A0330	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0331	RT41031	AUTOMOBILE ENGINEERING	18	28	3
153C1A0331	RT41032	CAD / CAM	20	3	0
153C1A0331	RT41033	FINITE ELEMENT METHODS	21	10	0
153C1A0331	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	16	0
153C1A0331	RT41035	MEMS	13	30	3
153C1A0331	RT41039	AUTOMATION IN MANUFACTURING	21	40	3
153C1A0331	RT4103L	SIMULATION LAB	21	38	2
153C1A0331	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0332	RT41031	AUTOMOBILE ENGINEERING	28	51	3
153C1A0332	RT41032	CAD / CAM	24	57	3
153C1A0332	RT41033	FINITE ELEMENT METHODS	25	37	3
153C1A0332	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	49	3
153C1A0332	RT41035	MEMS	17	42	3
153C1A0332	RT41039	AUTOMATION IN MANUFACTURING	20	35	3
153C1A0332	RT4103L	SIMULATION LAB	24	32	2
153C1A0332	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0333	RT41031	AUTOMOBILE ENGINEERING	24	38	3
153C1A0333	RT41032	CAD / CAM	22	24	3
153C1A0333	RT41033	FINITE ELEMENT METHODS	19	41	3
153C1A0333	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	24	3
153C1A0333	RT41035	MEMS	12	28	3
153C1A0333	RT41039	AUTOMATION IN MANUFACTURING	19	39	3
153C1A0333	RT4103L	SIMULATION LAB	21	38	2
153C1A0333	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0334	RT41031	AUTOMOBILE ENGINEERING	22	37	3
153C1A0334	RT41032	CAD / CAM	21	24	3
153C1A0334	RT41033	FINITE ELEMENT METHODS	22	25	3
153C1A0334	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	29	3
153C1A0334	RT41035	MEMS	11	32	3



Htno	Subcode	Subname	Internal	External	Credits
153C1A0334	RT41039	AUTOMATION IN MANUFACTURING	21	34	3
153C1A0334	RT4103L	SIMULATION LAB	21	30	2
153C1A0334	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0335	RT41031	AUTOMOBILE ENGINEERING	25	48	3
153C1A0335	RT41032	CAD / CAM	24	6	0
153C1A0335	RT41033	FINITE ELEMENT METHODS	21	11	0
153C1A0335	RT41034	UNCONVENTIONAL MACHINING PROCESSES	28	31	3
153C1A0335	RT41035	MEMS	16	26	3
153C1A0335	RT41039	AUTOMATION IN MANUFACTURING	26	63	3
153C1A0335	RT4103L	SIMULATION LAB	22	43	2
153C1A0335	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0336	RT41031	AUTOMOBILE ENGINEERING	23	41	3
153C1A0336	RT41032	CAD / CAM	20	47	3
153C1A0336	RT41033	FINITE ELEMENT METHODS	21	13	0
153C1A0336	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	31	3
153C1A0336	RT41035	MEMS	15	28	3
153C1A0336	RT41039	AUTOMATION IN MANUFACTURING	21	27	3
153C1A0336	RT4103L	SIMULATION LAB	22	36	2
153C1A0336	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0337	RT41031	AUTOMOBILE ENGINEERING	18	13	0
153C1A0337	RT41032	CAD / CAM	16	15	0
153C1A0337	RT41033	FINITE ELEMENT METHODS	17	0	0
153C1A0337	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	14	0
153C1A0337	RT41035	MEMS	13	19	0
153C1A0337	RT41039	AUTOMATION IN MANUFACTURING	18	10	0
153C1A0337	RT4103L	SIMULATION LAB	19	28	2
153C1A0337	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0338	RT41031	AUTOMOBILE ENGINEERING	7	0	0
153C1A0338	RT41032	CAD / CAM	14	2	0
153C1A0338	RT41033	FINITE ELEMENT METHODS	9	0	0
153C1A0338	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	0	0
153C1A0338	RT41035	MEMS	5	10	0
153C1A0338	RT41039	AUTOMATION IN MANUFACTURING	13	11	0
153C1A0338	RT4103L	SIMULATION LAB	19	28	2
153C1A0338	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0339	RT41031	AUTOMOBILE ENGINEERING	21	37	3
153C1A0339	RT41032	CAD / CAM	23	4	0
153C1A0339	RT41033	FINITE ELEMENT METHODS	25	15	0
153C1A0339	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	14	0
153C1A0339	RT41035	MEMS	15	34	3
153C1A0339	RT41039	AUTOMATION IN MANUFACTURING	21	47	3
153C1A0339	RT4103L	SIMULATION LAB	19	30	2
153C1A0339	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0340	RT41031	AUTOMOBILE ENGINEERING	19	31	3
153C1A0340	RT41032	CAD / CAM	25	31	3
153C1A0340	RT41033	FINITE ELEMENT METHODS	18	11	0
153C1A0340	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	25	3
153C1A0340	RT41035	MEMS	13	27	3
153C1A0340	RT41039	AUTOMATION IN MANUFACTURING	23	18	0
153C1A0340	RT4103L	SIMULATION LAB	21	39	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0340	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0341	RT41031	AUTOMOBILE ENGINEERING	21	31	3
153C1A0341	RT41032	CAD / CAM	20	17	0
153C1A0341	RT41033	FINITE ELEMENT METHODS	21	10	0
153C1A0341	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	27	3
153C1A0341	RT41035	MEMS	13	6	0
153C1A0341	RT41039	AUTOMATION IN MANUFACTURING	21	35	3
153C1A0341	RT4103L	SIMULATION LAB	22	48	2
153C1A0341	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
153C1A0342	RT41031	AUTOMOBILE ENGINEERING	28	56	3
153C1A0342	RT41032	CAD / CAM	21	34	3
153C1A0342	RT41033	FINITE ELEMENT METHODS	27	41	3
153C1A0342	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	40	3
153C1A0342	RT41035	MEMS	17	27	3
153C1A0342	RT41039	AUTOMATION IN MANUFACTURING	23	42	3
153C1A0342	RT4103L	SIMULATION LAB	24	39	2
153C1A0342	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0343	RT41031	AUTOMOBILE ENGINEERING	27	30	3
153C1A0343	RT41032	CAD / CAM	25	7	0
153C1A0343	RT41033	FINITE ELEMENT METHODS	24	34	3
153C1A0343	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	24	3
153C1A0343	RT41035	MEMS	16	29	3
153C1A0343	RT41039	AUTOMATION IN MANUFACTURING	23	40	3
153C1A0343	RT4103L	SIMULATION LAB	22	42	2
153C1A0343	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
153C1A0344	RT41031	AUTOMOBILE ENGINEERING	23	32	3
153C1A0344	RT41032	CAD / CAM	21	38	3
153C1A0344	RT41033	FINITE ELEMENT METHODS	26	24	3
153C1A0344	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	32	3
153C1A0344	RT41035	MEMS	19	32	3
153C1A0344	RT41039	AUTOMATION IN MANUFACTURING	17	27	3
153C1A0344	RT4103L	SIMULATION LAB	15	30	2
153C1A0344	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
153C1A0345	RT41031	AUTOMOBILE ENGINEERING	23	36	3
153C1A0345	RT41032	CAD / CAM	23	30	3
153C1A0345	RT41033	FINITE ELEMENT METHODS	22	13	0
153C1A0345	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	29	3
153C1A0345	RT41035	MEMS	19	24	3
153C1A0345	RT41039	AUTOMATION IN MANUFACTURING	23	43	3
153C1A0345	RT4103L	SIMULATION LAB	25	40	2
153C1A0345	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0346	RT41031	AUTOMOBILE ENGINEERING	18	31	3
153C1A0346	RT41032	CAD / CAM	20	3	0
153C1A0346	RT41033	FINITE ELEMENT METHODS	17	24	3
153C1A0346	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	3	0
153C1A0346	RT41035	MEMS	15	5	0
153C1A0346	RT41039	AUTOMATION IN MANUFACTURING	24	11	0
153C1A0346	RT4103L	SIMULATION LAB	22	28	2
153C1A0346	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0347	RT41031	AUTOMOBILE ENGINEERING	19	33	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0347	RT41032	CAD / CAM	20	9	0
153C1A0347	RT41033	FINITE ELEMENT METHODS	21	35	3
153C1A0347	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	17	0
153C1A0347	RT41035	MEMS	17	26	3
153C1A0347	RT41039	AUTOMATION IN MANUFACTURING	22	38	3
153C1A0347	RT4103L	SIMULATION LAB	25	34	2
153C1A0347	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
153C1A0348	RT41031	AUTOMOBILE ENGINEERING	27	42	3
153C1A0348	RT41032	CAD / CAM	29	39	3
153C1A0348	RT41033	FINITE ELEMENT METHODS	26	47	3
153C1A0348	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	44	3
153C1A0348	RT41035	MEMS	20	30	3
153C1A0348	RT41039	AUTOMATION IN MANUFACTURING	27	37	3
153C1A0348	RT4103L	SIMULATION LAB	25	48	2
153C1A0348	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
153C1A0349	RT41031	AUTOMOBILE ENGINEERING	5	16	0
153C1A0349	RT41032	CAD / CAM	11	2	0
153C1A0349	RT41033	FINITE ELEMENT METHODS	5	0	0
153C1A0349	RT41034	UNCONVENTIONAL MACHINING PROCESSES	10	0	0
153C1A0349	RT41035	MEMS	5	9	0
153C1A0349	RT41039	AUTOMATION IN MANUFACTURING	13	7	0
153C1A0349	RT4103L	SIMULATION LAB	15	25	2
153C1A0349	RT4103M	DESIGN FABRICATION PROJECT	30	0	1
153C1A0350	RT41031	AUTOMOBILE ENGINEERING	24	36	3
153C1A0350	RT41032	CAD / CAM	26	26	3
153C1A0350	RT41033	FINITE ELEMENT METHODS	24	36	3
153C1A0350	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	33	3
153C1A0350	RT41035	MEMS	24	49	3
153C1A0350	RT41039	AUTOMATION IN MANUFACTURING	25	12	0
153C1A0350	RT4103L	SIMULATION LAB	24	35	2
153C1A0350	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
153C1A0351	RT41031	AUTOMOBILE ENGINEERING	24	41	3
153C1A0351	RT41032	CAD / CAM	27	24	3
153C1A0351	RT41033	FINITE ELEMENT METHODS	23	19	0
153C1A0351	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	30	3
153C1A0351	RT41035	MEMS	17	42	3
153C1A0351	RT41039	AUTOMATION IN MANUFACTURING	26	64	3
153C1A0351	RT4103L	SIMULATION LAB	22	38	2
153C1A0351	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
153C1A0352	RT41031	AUTOMOBILE ENGINEERING	18	41	3
153C1A0352	RT41032	CAD / CAM	22	29	3
153C1A0352	RT41033	FINITE ELEMENT METHODS	16	10	0
153C1A0352	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	27	3
153C1A0352	RT41035	MEMS	15	32	3
153C1A0352	RT41039	AUTOMATION IN MANUFACTURING	23	16	0
153C1A0352	RT4103L	SIMULATION LAB	15	25	2
153C1A0352	RT4103M	DESIGN FABRICATION PROJECT	37	0	1
153C1A0353	RT41031	AUTOMOBILE ENGINEERING	22	40	3
153C1A0353	RT41032	CAD / CAM	23	4	0
153C1A0353	RT41033	FINITE ELEMENT METHODS	26	13	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0353	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	14	0
153C1A0353	RT41035	MEMS	17	25	3
153C1A0353	RT41039	AUTOMATION IN MANUFACTURING	13	36	3
153C1A0353	RT4103L	SIMULATION LAB	17	30	2
153C1A0353	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0355	RT41031	AUTOMOBILE ENGINEERING	26	54	3
153C1A0355	RT41032	CAD / CAM	25	29	3
153C1A0355	RT41033	FINITE ELEMENT METHODS	28	24	3
153C1A0355	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	27	3
153C1A0355	RT41035	MEMS	18	17	0
153C1A0355	RT41039	AUTOMATION IN MANUFACTURING	26	30	3
153C1A0355	RT4103L	SIMULATION LAB	25	49	2
153C1A0355	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0356	RT41031	AUTOMOBILE ENGINEERING	23	28	3
153C1A0356	RT41032	CAD / CAM	25	10	0
153C1A0356	RT41033	FINITE ELEMENT METHODS	22	29	3
153C1A0356	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	24	3
153C1A0356	RT41035	MEMS	15	31	3
153C1A0356	RT41039	AUTOMATION IN MANUFACTURING	18	49	3
153C1A0356	RT4103L	SIMULATION LAB	24	30	2
153C1A0356	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0357	RT41031	AUTOMOBILE ENGINEERING	23	37	3
153C1A0357	RT41032	CAD / CAM	23	38	3
153C1A0357	RT41033	FINITE ELEMENT METHODS	23	30	3
153C1A0357	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	32	3
153C1A0357	RT41035	MEMS	22	32	3
153C1A0357	RT41039	AUTOMATION IN MANUFACTURING	23	27	3
153C1A0357	RT4103L	SIMULATION LAB	24	35	2
153C1A0357	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0358	RT41031	AUTOMOBILE ENGINEERING	16	28	3
153C1A0358	RT41032	CAD / CAM	23	25	3
153C1A0358	RT41033	FINITE ELEMENT METHODS	18	12	0
153C1A0358	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	31	3
153C1A0358	RT41035	MEMS	16	27	3
153C1A0358	RT41039	AUTOMATION IN MANUFACTURING	21	32	3
153C1A0358	RT4103L	SIMULATION LAB	17	28	2
153C1A0358	RT4103M	DESIGN FABRICATION PROJECT	37	0	1
153C1A0359	RT41031	AUTOMOBILE ENGINEERING	25	47	3
153C1A0359	RT41032	CAD / CAM	26	44	3
153C1A0359	RT41033	FINITE ELEMENT METHODS	25	36	3
153C1A0359	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	36	3
153C1A0359	RT41035	MEMS	19	37	3
153C1A0359	RT41039	AUTOMATION IN MANUFACTURING	22	40	3
153C1A0359	RT4103L	SIMULATION LAB	22	30	2
153C1A0359	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0360	RT41031	AUTOMOBILE ENGINEERING	29	46	3
153C1A0360	RT41032	CAD / CAM	29	15	0
153C1A0360	RT41033	FINITE ELEMENT METHODS	28	29	3
153C1A0360	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	31	3
153C1A0360	RT41035	MEMS	23	38	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0360	RT41039	AUTOMATION IN MANUFACTURING	24	49	3
153C1A0360	RT4103L	SIMULATION LAB	25	45	2
153C1A0360	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
153C1A0361	RT41031	AUTOMOBILE ENGINEERING	13	28	3
153C1A0361	RT41032	CAD / CAM	17	14	0
153C1A0361	RT41033	FINITE ELEMENT METHODS	16	14	0
153C1A0361	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	18	0
153C1A0361	RT41035	MEMS	9	31	3
153C1A0361	RT41039	AUTOMATION IN MANUFACTURING	16	24	3
153C1A0361	RT4103L	SIMULATION LAB	15	25	2
153C1A0361	RT4103M	DESIGN FABRICATION PROJECT	33	0	1
153C1A0362	RT41031	AUTOMOBILE ENGINEERING	20	25	3
153C1A0362	RT41032	CAD / CAM	20	24	3
153C1A0362	RT41033	FINITE ELEMENT METHODS	19	11	0
153C1A0362	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	24	3
153C1A0362	RT41035	MEMS	12	28	3
153C1A0362	RT41039	AUTOMATION IN MANUFACTURING	20	39	3
153C1A0362	RT4103L	SIMULATION LAB	22	30	2
153C1A0362	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0363	RT41031	AUTOMOBILE ENGINEERING	10	2	0
153C1A0363	RT41032	CAD / CAM	5	3	0
153C1A0363	RT41033	FINITE ELEMENT METHODS	18	0	0
153C1A0363	RT41034	UNCONVENTIONAL MACHINING PROCESSES	12	0	0
153C1A0363	RT41035	MEMS	0	0	0
153C1A0363	RT41039	AUTOMATION IN MANUFACTURING	11	0	0
153C1A0363	RT4103L	SIMULATION LAB	15	25	2
153C1A0363	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
153C1A0364	RT41031	AUTOMOBILE ENGINEERING	27	37	3
153C1A0364	RT41032	CAD / CAM	24	34	3
153C1A0364	RT41033	FINITE ELEMENT METHODS	25	30	3
153C1A0364	RT41034	UNCONVENTIONAL MACHINING PROCESSES	27	37	3
153C1A0364	RT41035	MEMS	16	44	3
153C1A0364	RT41039	AUTOMATION IN MANUFACTURING	23	70	3
153C1A0364	RT4103L	SIMULATION LAB	17	28	2
153C1A0364	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0365	RT41031	AUTOMOBILE ENGINEERING	18	24	3
153C1A0365	RT41032	CAD / CAM	18	35	3
153C1A0365	RT41033	FINITE ELEMENT METHODS	23	9	0
153C1A0365	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	32	3
153C1A0365	RT41035	MEMS	10	12	0
153C1A0365	RT41039	AUTOMATION IN MANUFACTURING	17	24	3
153C1A0365	RT4103L	SIMULATION LAB	23	30	2
153C1A0365	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0366	RT41031	AUTOMOBILE ENGINEERING	15	16	0
153C1A0366	RT41032	CAD / CAM	21	10	0
153C1A0366	RT41033	FINITE ELEMENT METHODS	7	0	0
153C1A0366	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	20	0
153C1A0366	RT41035	MEMS	8	19	0
153C1A0366	RT41039	AUTOMATION IN MANUFACTURING	18	27	3
153C1A0366	RT4103L	SIMULATION LAB	17	30	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0366	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
153C1A0367	RT41031	AUTOMOBILE ENGINEERING	19	18	0
153C1A0367	RT41032	CAD / CAM	23	3	0
153C1A0367	RT41033	FINITE ELEMENT METHODS	11	17	0
153C1A0367	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	0	0
153C1A0367	RT41035	MEMS	10	0	0
153C1A0367	RT41039	AUTOMATION IN MANUFACTURING	14	0	0
153C1A0367	RT4103L	SIMULATION LAB	15	25	2
153C1A0367	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0368	RT41031	AUTOMOBILE ENGINEERING	26	51	3
153C1A0368	RT41032	CAD / CAM	24	24	3
153C1A0368	RT41033	FINITE ELEMENT METHODS	25	38	3
153C1A0368	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	34	3
153C1A0368	RT41035	MEMS	14	48	3
153C1A0368	RT41039	AUTOMATION IN MANUFACTURING	25	50	3
153C1A0368	RT4103L	SIMULATION LAB	16	25	2
153C1A0368	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
153C1A0369	RT41031	AUTOMOBILE ENGINEERING	5	36	3
153C1A0369	RT41032	CAD / CAM	19	-1	0
153C1A0369	RT41033	FINITE ELEMENT METHODS	12	0	0
153C1A0369	RT41034	UNCONVENTIONAL MACHINING PROCESSES	12	-1	0
153C1A0369	RT41035	MEMS	8	0	0
153C1A0369	RT41039	AUTOMATION IN MANUFACTURING	8	0	0
153C1A0369	RT4103L	SIMULATION LAB	15	25	2
153C1A0369	RT4103M	DESIGN FABRICATION PROJECT	31	0	1
153C1A0370	RT41031	AUTOMOBILE ENGINEERING	12	8	0
153C1A0370	RT41032	CAD / CAM	16	2	0
153C1A0370	RT41033	FINITE ELEMENT METHODS	18	0	0
153C1A0370	RT41034	UNCONVENTIONAL MACHINING PROCESSES	9	2	0
153C1A0370	RT41035	MEMS	3	3	0
153C1A0370	RT41039	AUTOMATION IN MANUFACTURING	8	30	0
153C1A0370	RT4103L	SIMULATION LAB	15	25	2
153C1A0370	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
153C1A0371	RT41031	AUTOMOBILE ENGINEERING	22	33	3
153C1A0371	RT41032	CAD / CAM	24	29	3
153C1A0371	RT41033	FINITE ELEMENT METHODS	22	24	3
153C1A0371	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	28	3
153C1A0371	RT41035	MEMS	16	32	3
153C1A0371	RT41039	AUTOMATION IN MANUFACTURING	21	33	3
153C1A0371	RT4103L	SIMULATION LAB	19	28	2
153C1A0371	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
153C1A0373	RT41031	AUTOMOBILE ENGINEERING	19	29	3
153C1A0373	RT41032	CAD / CAM	24	24	3
153C1A0373	RT41033	FINITE ELEMENT METHODS	23	24	3
153C1A0373	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	24	3
153C1A0373	RT41035	MEMS	13	34	3
153C1A0373	RT41039	AUTOMATION IN MANUFACTURING	21	70	3
153C1A0373	RT4103L	SIMULATION LAB	17	28	2
153C1A0373	RT4103M	DESIGN FABRICATION PROJECT	37	0	1
153C1A0374	RT41031	AUTOMOBILE ENGINEERING	20	37	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0374	RT41032	CAD / CAM	24	38	3
153C1A0374	RT41033	FINITE ELEMENT METHODS	22	24	3
153C1A0374	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	37	3
153C1A0374	RT41035	MEMS	16	28	3
153C1A0374	RT41039	AUTOMATION IN MANUFACTURING	19	27	3
153C1A0374	RT4103L	SIMULATION LAB	25	48	2
153C1A0374	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
153C1A0375	RT41031	AUTOMOBILE ENGINEERING	24	30	3
153C1A0375	RT41032	CAD / CAM	23	25	3
153C1A0375	RT41033	FINITE ELEMENT METHODS	24	37	3
153C1A0375	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	34	3
153C1A0375	RT41035	MEMS	19	25	3
153C1A0375	RT41039	AUTOMATION IN MANUFACTURING	17	43	3
153C1A0375	RT4103L	SIMULATION LAB	25	45	2
153C1A0375	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0377	RT41031	AUTOMOBILE ENGINEERING	22	40	3
153C1A0377	RT41032	CAD / CAM	23	30	3
153C1A0377	RT41033	FINITE ELEMENT METHODS	23	24	3
153C1A0377	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	33	3
153C1A0377	RT41035	MEMS	11	53	3
153C1A0377	RT41039	AUTOMATION IN MANUFACTURING	18	40	3
153C1A0377	RT4103L	SIMULATION LAB	20	30	2
153C1A0377	RT4103M	DESIGN FABRICATION PROJECT	37	0	1
153C1A0378	RT41031	AUTOMOBILE ENGINEERING	18	24	3
153C1A0378	RT41032	CAD / CAM	24	7	0
153C1A0378	RT41033	FINITE ELEMENT METHODS	16	24	3
153C1A0378	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	18	0
153C1A0378	RT41035	MEMS	18	35	3
153C1A0378	RT41039	AUTOMATION IN MANUFACTURING	22	47	3
153C1A0378	RT4103L	SIMULATION LAB	22	38	2
153C1A0378	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0379	RT41031	AUTOMOBILE ENGINEERING	25	48	3
153C1A0379	RT41032	CAD / CAM	24	43	3
153C1A0379	RT41033	FINITE ELEMENT METHODS	24	24	3
153C1A0379	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	44	3
153C1A0379	RT41035	MEMS	16	33	3
153C1A0379	RT41039	AUTOMATION IN MANUFACTURING	24	26	3
153C1A0379	RT4103L	SIMULATION LAB	20	25	2
153C1A0379	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
153C1A0380	RT41031	AUTOMOBILE ENGINEERING	25	33	3
153C1A0380	RT41032	CAD / CAM	22	25	3
153C1A0380	RT41033	FINITE ELEMENT METHODS	23	0	0
153C1A0380	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	37	3
153C1A0380	RT41035	MEMS	14	26	3
153C1A0380	RT41039	AUTOMATION IN MANUFACTURING	21	39	3
153C1A0380	RT4103L	SIMULATION LAB	20	30	2
153C1A0380	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
153C1A0381	RT41031	AUTOMOBILE ENGINEERING	5	2	0
153C1A0381	RT41032	CAD / CAM	3	0	0
153C1A0381	RT41033	FINITE ELEMENT METHODS	0	0	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0381	RT41034	UNCONVENTIONAL MACHINING PROCESSES	7	0	0
153C1A0381	RT41035	MEMS	2	-1	0
153C1A0381	RT41039	AUTOMATION IN MANUFACTURING	0	2	0
153C1A0381	RT4103L	SIMULATION LAB	15	25	2
153C1A0381	RT4103M	DESIGN FABRICATION PROJECT	32	0	1
153C1A0383	RT41031	AUTOMOBILE ENGINEERING	18	0	0
153C1A0383	RT41032	CAD / CAM	22	0	0
153C1A0383	RT41033	FINITE ELEMENT METHODS	21	0	0
153C1A0383	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	0	0
153C1A0383	RT41035	MEMS	11	11	0
153C1A0383	RT41039	AUTOMATION IN MANUFACTURING	21	3	0
153C1A0383	RT4103L	SIMULATION LAB	25	30	2
153C1A0383	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0384	RT41031	AUTOMOBILE ENGINEERING	23	44	3
153C1A0384	RT41032	CAD / CAM	22	38	3
153C1A0384	RT41033	FINITE ELEMENT METHODS	24	40	3
153C1A0384	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	36	3
153C1A0384	RT41035	MEMS	13	33	3
153C1A0384	RT41039	AUTOMATION IN MANUFACTURING	21	17	0
153C1A0384	RT4103L	SIMULATION LAB	23	45	2
153C1A0384	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
153C1A0386	RT41031	AUTOMOBILE ENGINEERING	22	44	3
153C1A0386	RT41032	CAD / CAM	19	15	0
153C1A0386	RT41033	FINITE ELEMENT METHODS	22	0	0
153C1A0386	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	24	3
153C1A0386	RT41035	MEMS	16	13	0
153C1A0386	RT41039	AUTOMATION IN MANUFACTURING	17	35	3
153C1A0386	RT4103L	SIMULATION LAB	25	47	2
153C1A0386	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
153C1A0387	RT41031	AUTOMOBILE ENGINEERING	22	47	3
153C1A0387	RT41032	CAD / CAM	20	24	3
153C1A0387	RT41033	FINITE ELEMENT METHODS	22	17	0
153C1A0387	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	30	3
153C1A0387	RT41035	MEMS	12	29	3
153C1A0387	RT41039	AUTOMATION IN MANUFACTURING	20	35	3
153C1A0387	RT4103L	SIMULATION LAB	18	40	2
153C1A0387	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
153C1A0388	RT41031	AUTOMOBILE ENGINEERING	18	28	3
153C1A0388	RT41032	CAD / CAM	21	11	0
153C1A0388	RT41033	FINITE ELEMENT METHODS	24	6	0
153C1A0388	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	25	3
153C1A0388	RT41035	MEMS	14	26	3
153C1A0388	RT41039	AUTOMATION IN MANUFACTURING	16	37	3
153C1A0388	RT4103L	SIMULATION LAB	23	35	2
153C1A0388	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
153C1A0389	RT41031	AUTOMOBILE ENGINEERING	20	0	0
153C1A0389	RT41032	CAD / CAM	18	10	0
153C1A0389	RT41033	FINITE ELEMENT METHODS	15	0	0
153C1A0389	RT41034	UNCONVENTIONAL MACHINING PROCESSES	14	14	0
153C1A0389	RT41035	MEMS	11	5	0



Htno	Subcode	Subname	Internal	External	Credits
153C1A0389	RT41039	AUTOMATION IN MANUFACTURING	15	4	0
153C1A0389	RT4103L	SIMULATION LAB	24	42	2
153C1A0389	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
153C1A0401	RT41041	VLSI DESIGN	24	45	3
153C1A0401	RT41042	COMPUTER NETWORKS	20	53	3
153C1A0401	RT41043	DIGITAL IMAGE PROCESSING	26	33	3
153C1A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	36	3
153C1A0401	RT41048	RADAR SYSTEMS	28	29	3
153C1A0401	RT4104A	OPTICAL COMMUNICATION	25	30	3
153C1A0401	RT4104L	V L S I LAB	23	46	2
153C1A0401	RT4104M	MICROWAVE ENGINEERING LAB	25	48	2
153C1A0403	RT41041	VLSI DESIGN	22	28	3
153C1A0403	RT41042	COMPUTER NETWORKS	18	41	3
153C1A0403	RT41043	DIGITAL IMAGE PROCESSING	23	41	3
153C1A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	34	3
153C1A0403	RT41048	RADAR SYSTEMS	26	30	3
153C1A0403	RT4104A	OPTICAL COMMUNICATION	22	42	3
153C1A0403	RT4104L	V L S I LAB	22	46	2
153C1A0403	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
153C1A0404	RT41041	VLSI DESIGN	22	38	3
153C1A0404	RT41042	COMPUTER NETWORKS	17	55	3
153C1A0404	RT41043	DIGITAL IMAGE PROCESSING	18	24	3
153C1A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	40	3
153C1A0404	RT41048	RADAR SYSTEMS	24	60	3
153C1A0404	RT4104A	OPTICAL COMMUNICATION	21	32	3
153C1A0404	RT4104L	V L S I LAB	20	47	2
153C1A0404	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
153C1A0405	RT41041	VLSI DESIGN	23	52	3
153C1A0405	RT41042	COMPUTER NETWORKS	13	55	3
153C1A0405	RT41043	DIGITAL IMAGE PROCESSING	21	55	3
153C1A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	50	3
153C1A0405	RT41048	RADAR SYSTEMS	28	56	3
153C1A0405	RT4104A	OPTICAL COMMUNICATION	26	40	3
153C1A0405	RT4104L	V L S I LAB	20	41	2
153C1A0405	RT4104M	MICROWAVE ENGINEERING LAB	22	40	2
153C1A0406	RT41041	VLSI DESIGN	17	27	3
153C1A0406	RT41042	COMPUTER NETWORKS	11	5	0
153C1A0406	RT41043	DIGITAL IMAGE PROCESSING	16	6	0
153C1A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	28	3
153C1A0406	RT41048	RADAR SYSTEMS	21	3	0
153C1A0406	RT4104A	OPTICAL COMMUNICATION	20	24	3
153C1A0406	RT4104L	V L S I LAB	21	40	2
153C1A0406	RT4104M	MICROWAVE ENGINEERING LAB	20	30	2
153C1A0407	RT41041	VLSI DESIGN	23	32	3
153C1A0407	RT41042	COMPUTER NETWORKS	22	44	3
153C1A0407	RT41043	DIGITAL IMAGE PROCESSING	22	44	3
153C1A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	39	3
153C1A0407	RT41048	RADAR SYSTEMS	25	33	3
153C1A0407	RT4104A	OPTICAL COMMUNICATION	19	47	3
153C1A0407	RT4104L	V L S I LAB	22	48	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0407	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
153C1A0408	RT41041	VLSI DESIGN	19	47	3
153C1A0408	RT41042	COMPUTER NETWORKS	17	40	3
153C1A0408	RT41043	DIGITAL IMAGE PROCESSING	18	25	3
153C1A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	35	3
153C1A0408	RT41048	RADAR SYSTEMS	23	48	3
153C1A0408	RT4104A	OPTICAL COMMUNICATION	22	38	3
153C1A0408	RT4104L	V L S I LAB	20	40	2
153C1A0408	RT4104M	MICROWAVE ENGINEERING LAB	23	40	2
153C1A0409	RT41041	VLSI DESIGN	25	55	3
153C1A0409	RT41042	COMPUTER NETWORKS	17	56	3
153C1A0409	RT41043	DIGITAL IMAGE PROCESSING	23	60	3
153C1A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	37	3
153C1A0409	RT41048	RADAR SYSTEMS	22	53	3
153C1A0409	RT4104A	OPTICAL COMMUNICATION	23	40	3
153C1A0409	RT4104L	V L S I LAB	24	45	2
153C1A0409	RT4104M	MICROWAVE ENGINEERING LAB	24	49	2
153C1A0410	RT41041	VLSI DESIGN	26	27	3
153C1A0410	RT41042	COMPUTER NETWORKS	17	43	3
153C1A0410	RT41043	DIGITAL IMAGE PROCESSING	19	34	3
153C1A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	33	3
153C1A0410	RT41048	RADAR SYSTEMS	25	37	3
153C1A0410	RT4104A	OPTICAL COMMUNICATION	24	44	3
153C1A0410	RT4104L	V L S I LAB	20	44	2
153C1A0410	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
153C1A0411	RT41041	VLSI DESIGN	22	35	3
153C1A0411	RT41042	COMPUTER NETWORKS	18	37	3
153C1A0411	RT41043	DIGITAL IMAGE PROCESSING	24	47	3
153C1A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	38	3
153C1A0411	RT41048	RADAR SYSTEMS	26	36	3
153C1A0411	RT4104A	OPTICAL COMMUNICATION	26	51	3
153C1A0411	RT4104L	V L S I LAB	22	45	2
153C1A0411	RT4104M	MICROWAVE ENGINEERING LAB	25	50	2
153C1A0412	RT41041	VLSI DESIGN	18	36	3
153C1A0412	RT41042	COMPUTER NETWORKS	11	38	3
153C1A0412	RT41043	DIGITAL IMAGE PROCESSING	13	3	0
153C1A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	13	38	3
153C1A0412	RT41048	RADAR SYSTEMS	21	26	3
153C1A0412	RT4104A	OPTICAL COMMUNICATION	22	7	0
153C1A0412	RT4104L	V L S I LAB	19	42	2
153C1A0412	RT4104M	MICROWAVE ENGINEERING LAB	23	30	2
153C1A0413	RT41041	VLSI DESIGN	16	25	3
153C1A0413	RT41042	COMPUTER NETWORKS	12	18	0
153C1A0413	RT41043	DIGITAL IMAGE PROCESSING	22	0	0
153C1A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	15	0
153C1A0413	RT41048	RADAR SYSTEMS	19	20	0
153C1A0413	RT4104A	OPTICAL COMMUNICATION	16	8	0
153C1A0413	RT4104L	V L S I LAB	10	20	2
153C1A0413	RT4104M	MICROWAVE ENGINEERING LAB	18	0	0
153C1A0414	RT41041	VLSI DESIGN	22	38	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0414	RT41042	COMPUTER NETWORKS	15	29	3
153C1A0414	RT41043	DIGITAL IMAGE PROCESSING	21	19	0
153C1A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	30	3
153C1A0414	RT41048	RADAR SYSTEMS	26	24	3
153C1A0414	RT4104A	OPTICAL COMMUNICATION	24	27	3
153C1A0414	RT4104L	V L S I LAB	20	47	2
153C1A0414	RT4104M	MICROWAVE ENGINEERING LAB	22	40	2
153C1A0415	RT41041	VLSI DESIGN	24	30	3
153C1A0415	RT41042	COMPUTER NETWORKS	14	39	3
153C1A0415	RT41043	DIGITAL IMAGE PROCESSING	20	37	3
153C1A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	33	3
153C1A0415	RT41048	RADAR SYSTEMS	27	32	3
153C1A0415	RT4104A	OPTICAL COMMUNICATION	30	40	3
153C1A0415	RT4104L	V L S I LAB	21	45	2
153C1A0415	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
153C1A0416	RT41041	VLSI DESIGN	23	42	3
153C1A0416	RT41042	COMPUTER NETWORKS	14	40	3
153C1A0416	RT41043	DIGITAL IMAGE PROCESSING	22	24	3
153C1A0416	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	33	3
153C1A0416	RT41048	RADAR SYSTEMS	27	38	3
153C1A0416	RT4104A	OPTICAL COMMUNICATION	23	26	3
153C1A0416	RT4104L	V L S I LAB	18	46	2
153C1A0416	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
153C1A0417	RT41041	VLSI DESIGN	22	46	3
153C1A0417	RT41042	COMPUTER NETWORKS	15	38	3
153C1A0417	RT41043	DIGITAL IMAGE PROCESSING	27	43	3
153C1A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	31	3
153C1A0417	RT41048	RADAR SYSTEMS	27	31	3
153C1A0417	RT4104A	OPTICAL COMMUNICATION	29	31	3
153C1A0417	RT4104L	V L S I LAB	20	46	2
153C1A0417	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
153C1A0418	RT41041	VLSI DESIGN	21	26	3
153C1A0418	RT41042	COMPUTER NETWORKS	13	45	3
153C1A0418	RT41043	DIGITAL IMAGE PROCESSING	22	34	3
153C1A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	30	3
153C1A0418	RT41048	RADAR SYSTEMS	26	32	3
153C1A0418	RT4104A	OPTICAL COMMUNICATION	21	42	3
153C1A0418	RT4104L	V L S I LAB	17	43	2
153C1A0418	RT4104M	MICROWAVE ENGINEERING LAB	21	42	2
153C1A0419	RT41041	VLSI DESIGN	26	30	3
153C1A0419	RT41042	COMPUTER NETWORKS	18	40	3
153C1A0419	RT41043	DIGITAL IMAGE PROCESSING	22	33	3
153C1A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	41	3
153C1A0419	RT41048	RADAR SYSTEMS	29	42	3
153C1A0419	RT4104A	OPTICAL COMMUNICATION	25	51	3
153C1A0419	RT4104L	V L S I LAB	23	48	2
153C1A0419	RT4104M	MICROWAVE ENGINEERING LAB	25	50	2
153C1A0420	RT41041	VLSI DESIGN	26	51	3
153C1A0420	RT41042	COMPUTER NETWORKS	19	51	3
153C1A0420	RT41043	DIGITAL IMAGE PROCESSING	24	28	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0420	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	42	3
153C1A0420	RT41048	RADAR SYSTEMS	22	48	3
153C1A0420	RT4104A	OPTICAL COMMUNICATION	26	32	3
153C1A0420	RT4104L	V L S I LAB	24	48	2
153C1A0420	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
153C1A0421	RT41041	VLSI DESIGN	23	51	3
153C1A0421	RT41042	COMPUTER NETWORKS	18	48	3
153C1A0421	RT41043	DIGITAL IMAGE PROCESSING	22	51	3
153C1A0421	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	31	3
153C1A0421	RT41048	RADAR SYSTEMS	24	45	3
153C1A0421	RT4104A	OPTICAL COMMUNICATION	25	24	3
153C1A0421	RT4104L	V L S I LAB	21	47	2
153C1A0421	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
153C1A0423	RT41041	VLSI DESIGN	20	35	3
153C1A0423	RT41042	COMPUTER NETWORKS	16	24	3
153C1A0423	RT41043	DIGITAL IMAGE PROCESSING	18	31	3
153C1A0423	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	29	3
153C1A0423	RT41048	RADAR SYSTEMS	25	28	3
153C1A0423	RT4104A	OPTICAL COMMUNICATION	25	27	3
153C1A0423	RT4104L	V L S I LAB	20	47	2
153C1A0423	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
153C1A0424	RT41041	VLSI DESIGN	22	38	3
153C1A0424	RT41042	COMPUTER NETWORKS	19	31	3
153C1A0424	RT41043	DIGITAL IMAGE PROCESSING	24	30	3
153C1A0424	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	34	3
153C1A0424	RT41048	RADAR SYSTEMS	29	33	3
153C1A0424	RT4104A	OPTICAL COMMUNICATION	24	48	3
153C1A0424	RT4104L	V L S I LAB	22	45	2
153C1A0424	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
153C1A0425	RT41041	VLSI DESIGN	24	47	3
153C1A0425	RT41042	COMPUTER NETWORKS	15	49	3
153C1A0425	RT41043	DIGITAL IMAGE PROCESSING	17	15	0
153C1A0425	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	39	3
153C1A0425	RT41048	RADAR SYSTEMS	25	44	3
153C1A0425	RT4104A	OPTICAL COMMUNICATION	23	15	0
153C1A0425	RT4104L	V L S I LAB	20	46	2
153C1A0425	RT4104M	MICROWAVE ENGINEERING LAB	22	40	2
153C1A0426	RT41041	VLSI DESIGN	24	55	3
153C1A0426	RT41042	COMPUTER NETWORKS	15	45	3
153C1A0426	RT41043	DIGITAL IMAGE PROCESSING	19	59	3
153C1A0426	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	39	3
153C1A0426	RT41048	RADAR SYSTEMS	26	41	3
153C1A0426	RT4104A	OPTICAL COMMUNICATION	24	33	3
153C1A0426	RT4104L	V L S I LAB	23	47	2
153C1A0426	RT4104M	MICROWAVE ENGINEERING LAB	25	48	2
153C1A0427	RT41041	VLSI DESIGN	22	28	3
153C1A0427	RT41042	COMPUTER NETWORKS	17	43	3
153C1A0427	RT41043	DIGITAL IMAGE PROCESSING	22	32	3
153C1A0427	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	33	3
153C1A0427	RT41048	RADAR SYSTEMS	20	33	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0427	RT4104A	OPTICAL COMMUNICATION	19	42	3
153C1A0427	RT4104L	V L S I LAB	22	44	2
153C1A0427	RT4104M	MICROWAVE ENGINEERING LAB	22	42	2
153C1A0428	RT41041	VLSI DESIGN	18	56	3
153C1A0428	RT41042	COMPUTER NETWORKS	14	28	3
153C1A0428	RT41043	DIGITAL IMAGE PROCESSING	25	52	3
153C1A0428	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	39	3
153C1A0428	RT41048	RADAR SYSTEMS	22	34	3
153C1A0428	RT4104A	OPTICAL COMMUNICATION	23	49	3
153C1A0428	RT4104L	V L S I LAB	23	41	2
153C1A0428	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
153C1A0429	RT41041	VLSI DESIGN	22	52	3
153C1A0429	RT41042	COMPUTER NETWORKS	15	46	3
153C1A0429	RT41043	DIGITAL IMAGE PROCESSING	17	25	3
153C1A0429	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	42	3
153C1A0429	RT41048	RADAR SYSTEMS	23	50	3
153C1A0429	RT4104A	OPTICAL COMMUNICATION	21	27	3
153C1A0429	RT4104L	V L S I LAB	23	47	2
153C1A0429	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
153C1A0430	RT41041	VLSI DESIGN	22	11	0
153C1A0430	RT41042	COMPUTER NETWORKS	14	40	3
153C1A0430	RT41043	DIGITAL IMAGE PROCESSING	19	29	3
153C1A0430	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	29	3
153C1A0430	RT41048	RADAR SYSTEMS	19	15	0
153C1A0430	RT4104A	OPTICAL COMMUNICATION	21	8	0
153C1A0430	RT4104L	V L S I LAB	20	44	2
153C1A0430	RT4104M	MICROWAVE ENGINEERING LAB	21	40	2
153C1A0431	RT41041	VLSI DESIGN	21	29	3
153C1A0431	RT41042	COMPUTER NETWORKS	15	25	3
153C1A0431	RT41043	DIGITAL IMAGE PROCESSING	17	3	0
153C1A0431	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	29	3
153C1A0431	RT41048	RADAR SYSTEMS	22	14	0
153C1A0431	RT4104A	OPTICAL COMMUNICATION	16	25	3
153C1A0431	RT4104L	V L S I LAB	19	43	2
153C1A0431	RT4104M	MICROWAVE ENGINEERING LAB	18	30	2
153C1A0432	RT41041	VLSI DESIGN	23	30	3
153C1A0432	RT41042	COMPUTER NETWORKS	15	25	3
153C1A0432	RT41043	DIGITAL IMAGE PROCESSING	19	30	3
153C1A0432	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	0	0
153C1A0432	RT41048	RADAR SYSTEMS	27	27	3
153C1A0432	RT4104A	OPTICAL COMMUNICATION	18	38	3
153C1A0432	RT4104L	V L S I LAB	11	41	2
153C1A0432	RT4104M	MICROWAVE ENGINEERING LAB	18	25	2
153C1A0433	RT41041	VLSI DESIGN	24	52	3
153C1A0433	RT41042	COMPUTER NETWORKS	18	52	3
153C1A0433	RT41043	DIGITAL IMAGE PROCESSING	25	36	3
153C1A0433	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	45	3
153C1A0433	RT41048	RADAR SYSTEMS	24	46	3
153C1A0433	RT4104A	OPTICAL COMMUNICATION	24	31	3
153C1A0433	RT4104L	V L S I LAB	20	47	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0433	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
153C1A0434	RT41041	VLSI DESIGN	25	42	3
153C1A0434	RT41042	COMPUTER NETWORKS	12	28	3
153C1A0434	RT41043	DIGITAL IMAGE PROCESSING	19	49	3
153C1A0434	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	32	3
153C1A0434	RT41048	RADAR SYSTEMS	24	40	3
153C1A0434	RT4104A	OPTICAL COMMUNICATION	21	10	0
153C1A0434	RT4104L	V L S I LAB	23	47	2
153C1A0434	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
153C1A0435	RT41041	VLSI DESIGN	24	30	3
153C1A0435	RT41042	COMPUTER NETWORKS	15	41	3
153C1A0435	RT41043	DIGITAL IMAGE PROCESSING	20	13	0
153C1A0435	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	30	3
153C1A0435	RT41048	RADAR SYSTEMS	25	31	3
153C1A0435	RT4104A	OPTICAL COMMUNICATION	23	38	3
153C1A0435	RT4104L	V L S I LAB	22	45	2
153C1A0435	RT4104M	MICROWAVE ENGINEERING LAB	24	48	2
153C1A0436	RT41041	VLSI DESIGN	20	16	0
153C1A0436	RT41042	COMPUTER NETWORKS	14	26	3
153C1A0436	RT41043	DIGITAL IMAGE PROCESSING	17	24	3
153C1A0436	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	15	0
153C1A0436	RT41048	RADAR SYSTEMS	24	26	3
153C1A0436	RT4104A	OPTICAL COMMUNICATION	18	25	3
153C1A0436	RT4104L	V L S I LAB	20	44	2
153C1A0436	RT4104M	MICROWAVE ENGINEERING LAB	20	30	2
153C1A0437	RT41041	VLSI DESIGN	20	18	0
153C1A0437	RT41042	COMPUTER NETWORKS	15	18	0
153C1A0437	RT41043	DIGITAL IMAGE PROCESSING	10	3	0
153C1A0437	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	5	0
153C1A0437	RT41048	RADAR SYSTEMS	20	20	0
153C1A0437	RT4104A	OPTICAL COMMUNICATION	16	27	3
153C1A0437	RT4104L	V L S I LAB	18	42	2
153C1A0437	RT4104M	MICROWAVE ENGINEERING LAB	20	30	2
153C1A0438	RT41041	VLSI DESIGN	14	24	0
153C1A0438	RT41042	COMPUTER NETWORKS	11	21	0
153C1A0438	RT41043	DIGITAL IMAGE PROCESSING	7	15	0
153C1A0438	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	12	8	0
153C1A0438	RT41048	RADAR SYSTEMS	14	19	0
153C1A0438	RT4104A	OPTICAL COMMUNICATION	15	0	0
153C1A0438	RT4104L	V L S I LAB	13	45	2
153C1A0438	RT4104M	MICROWAVE ENGINEERING LAB	18	30	2
153C1A0440	RT41041	VLSI DESIGN	25	54	3
153C1A0440	RT41042	COMPUTER NETWORKS	14	49	3
153C1A0440	RT41043	DIGITAL IMAGE PROCESSING	23	37	3
153C1A0440	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	38	3
153C1A0440	RT41048	RADAR SYSTEMS	27	29	3
153C1A0440	RT4104A	OPTICAL COMMUNICATION	25	55	3
153C1A0440	RT4104L	V L S I LAB	22	44	2
153C1A0440	RT4104M	MICROWAVE ENGINEERING LAB	24	40	2
153C1A0441	RT41041	VLSI DESIGN	18	37	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0441	RT41042	COMPUTER NETWORKS	14	26	3
153C1A0441	RT41043	DIGITAL IMAGE PROCESSING	19	37	3
153C1A0441	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	24	3
153C1A0441	RT41048	RADAR SYSTEMS	24	28	3
153C1A0441	RT4104A	OPTICAL COMMUNICATION	19	34	3
153C1A0441	RT4104L	V L S I LAB	20	40	2
153C1A0441	RT4104M	MICROWAVE ENGINEERING LAB	19	30	2
153C1A0442	RT41041	VLSI DESIGN	20	41	3
153C1A0442	RT41042	COMPUTER NETWORKS	13	50	3
153C1A0442	RT41043	DIGITAL IMAGE PROCESSING	21	16	0
153C1A0442	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	32	3
153C1A0442	RT41048	RADAR SYSTEMS	23	31	3
153C1A0442	RT4104A	OPTICAL COMMUNICATION	21	24	3
153C1A0442	RT4104L	V L S I LAB	20	45	2
153C1A0442	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
153C1A0443	RT41041	VLSI DESIGN	22	43	3
153C1A0443	RT41042	COMPUTER NETWORKS	19	40	3
153C1A0443	RT41043	DIGITAL IMAGE PROCESSING	25	49	3
153C1A0443	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	50	3
153C1A0443	RT41048	RADAR SYSTEMS	29	48	3
153C1A0443	RT4104A	OPTICAL COMMUNICATION	28	35	3
153C1A0443	RT4104L	V L S I LAB	21	48	2
153C1A0443	RT4104M	MICROWAVE ENGINEERING LAB	25	50	2
153C1A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	48	3
153C1A0502	RT41052	UML AND DESIGN PATTERNS	30	29	3
153C1A0502	RT41053	MOBILE COMPUTING	30	49	3
153C1A0502	RT41054	SOFTWARE TESTING METHODOLOGIES	30	46	3
153C1A0502	RT4105B	HADOOP AND BIG DATA	30	46	3
153C1A0502	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
153C1A0502	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
153C1A0502	RT4105N	SOFTWARE TESTING LAB	25	48	2
153C1A0502	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
153C1A0503	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	20	0
153C1A0503	RT41052	UML AND DESIGN PATTERNS	21	43	3
153C1A0503	RT41053	MOBILE COMPUTING	16	24	3
153C1A0503	RT41054	SOFTWARE TESTING METHODOLOGIES	22	32	3
153C1A0503	RT4105B	HADOOP AND BIG DATA	24	39	3
153C1A0503	RT4105L	UML AND DESIGN PATTERNS LAB	21	43	2
153C1A0503	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	45	2
153C1A0503	RT4105N	SOFTWARE TESTING LAB	22	41	2
153C1A0503	RT4105O	HADOOP AND BIGDATA LAB	21	45	2
153C1A0504	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	9	3	0
153C1A0504	RT41052	UML AND DESIGN PATTERNS	7	2	0
153C1A0504	RT41053	MOBILE COMPUTING	16	21	0
153C1A0504	RT41054	SOFTWARE TESTING METHODOLOGIES	7	-1	0
153C1A0504	RT4105B	HADOOP AND BIG DATA	7	-1	0
153C1A0504	RT4105L	UML AND DESIGN PATTERNS LAB	6	-1	0
153C1A0504	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	-1	0
153C1A0504	RT4105N	SOFTWARE TESTING LAB	0	-1	0
153C1A0504	RT4105O	HADOOP AND BIGDATA LAB	20	-1	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0505	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	36	3
153C1A0505	RT41052	UML AND DESIGN PATTERNS	23	38	3
153C1A0505	RT41053	MOBILE COMPUTING	20	41	3
153C1A0505	RT41054	SOFTWARE TESTING METHODOLOGIES	21	47	3
153C1A0505	RT4105B	HADOOP AND BIG DATA	24	36	3
153C1A0505	RT4105L	UML AND DESIGN PATTERNS LAB	22	43	2
153C1A0505	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
153C1A0505	RT4105N	SOFTWARE TESTING LAB	24	44	2
153C1A0505	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
153C1A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	14	33	3
153C1A0506	RT41052	UML AND DESIGN PATTERNS	17	24	3
153C1A0506	RT41053	MOBILE COMPUTING	21	6	0
153C1A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	20	40	3
153C1A0506	RT4105B	HADOOP AND BIG DATA	16	24	3
153C1A0506	RT4105L	UML AND DESIGN PATTERNS LAB	17	35	2
153C1A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	43	2
153C1A0506	RT4105N	SOFTWARE TESTING LAB	12	32	2
153C1A0506	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
153C1A0507	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	32	3
153C1A0507	RT41052	UML AND DESIGN PATTERNS	23	51	3
153C1A0507	RT41053	MOBILE COMPUTING	22	34	3
153C1A0507	RT41054	SOFTWARE TESTING METHODOLOGIES	24	41	3
153C1A0507	RT4105B	HADOOP AND BIG DATA	21	48	3
153C1A0507	RT4105L	UML AND DESIGN PATTERNS LAB	23	46	2
153C1A0507	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
153C1A0507	RT4105N	SOFTWARE TESTING LAB	23	46	2
153C1A0507	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
153C1A0509	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	24	3
153C1A0509	RT41052	UML AND DESIGN PATTERNS	16	20	0
153C1A0509	RT41053	MOBILE COMPUTING	22	38	3
153C1A0509	RT41054	SOFTWARE TESTING METHODOLOGIES	18	28	3
153C1A0509	RT4105B	HADOOP AND BIG DATA	17	24	3
153C1A0509	RT4105L	UML AND DESIGN PATTERNS LAB	17	35	2
153C1A0509	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
153C1A0509	RT4105N	SOFTWARE TESTING LAB	20	33	2
153C1A0509	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
153C1A0510	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	24	3
153C1A0510	RT41052	UML AND DESIGN PATTERNS	22	40	3
153C1A0510	RT41053	MOBILE COMPUTING	25	38	3
153C1A0510	RT41054	SOFTWARE TESTING METHODOLOGIES	24	41	3
153C1A0510	RT4105B	HADOOP AND BIG DATA	21	33	3
153C1A0510	RT4105L	UML AND DESIGN PATTERNS LAB	22	47	2
153C1A0510	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
153C1A0510	RT4105N	SOFTWARE TESTING LAB	23	43	2
153C1A0510	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
153C1A0511	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	32	3
153C1A0511	RT41052	UML AND DESIGN PATTERNS	16	9	0
153C1A0511	RT41053	MOBILE COMPUTING	23	29	3
153C1A0511	RT41054	SOFTWARE TESTING METHODOLOGIES	24	30	3
153C1A0511	RT4105B	HADOOP AND BIG DATA	17	25	3



Htno	Subcode	Subname	Internal	External	Credits
153C1A0511	RT4105L	UML AND DESIGN PATTERNS LAB	19	34	2
153C1A0511	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
153C1A0511	RT4105N	SOFTWARE TESTING LAB	22	35	2
153C1A0511	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
153C1A0512	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	2	0
153C1A0512	RT41052	UML AND DESIGN PATTERNS	12	13	0
153C1A0512	RT41053	MOBILE COMPUTING	12	5	0
153C1A0512	RT41054	SOFTWARE TESTING METHODOLOGIES	10	16	0
153C1A0512	RT4105B	HADOOP AND BIG DATA	10	7	0
153C1A0512	RT4105L	UML AND DESIGN PATTERNS LAB	13	16	0
153C1A0512	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
153C1A0512	RT4105N	SOFTWARE TESTING LAB	12	16	0
153C1A0512	RT4105O	HADOOP AND BIGDATA LAB	20	41	2
153C1A0513	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	31	3
153C1A0513	RT41052	UML AND DESIGN PATTERNS	22	24	3
153C1A0513	RT41053	MOBILE COMPUTING	25	42	3
153C1A0513	RT41054	SOFTWARE TESTING METHODOLOGIES	25	30	3
153C1A0513	RT4105B	HADOOP AND BIG DATA	23	46	3
153C1A0513	RT4105L	UML AND DESIGN PATTERNS LAB	23	42	2
153C1A0513	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
153C1A0513	RT4105N	SOFTWARE TESTING LAB	23	43	2
153C1A0513	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
153C1A0514	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	29	3
153C1A0514	RT41052	UML AND DESIGN PATTERNS	21	36	3
153C1A0514	RT41053	MOBILE COMPUTING	23	31	3
153C1A0514	RT41054	SOFTWARE TESTING METHODOLOGIES	22	35	3
153C1A0514	RT4105B	HADOOP AND BIG DATA	22	34	3
153C1A0514	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
153C1A0514	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
153C1A0514	RT4105N	SOFTWARE TESTING LAB	24	47	2
153C1A0514	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
153C1A0516	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	36	3
153C1A0516	RT41052	UML AND DESIGN PATTERNS	24	30	3
153C1A0516	RT41053	MOBILE COMPUTING	26	33	3
153C1A0516	RT41054	SOFTWARE TESTING METHODOLOGIES	24	44	3
153C1A0516	RT4105B	HADOOP AND BIG DATA	22	37	3
153C1A0516	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
153C1A0516	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	48	2
153C1A0516	RT4105N	SOFTWARE TESTING LAB	24	42	2
153C1A0516	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
153C1A0517	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	9	0
153C1A0517	RT41052	UML AND DESIGN PATTERNS	16	33	3
153C1A0517	RT41053	MOBILE COMPUTING	15	16	0
153C1A0517	RT41054	SOFTWARE TESTING METHODOLOGIES	20	26	3
153C1A0517	RT4105B	HADOOP AND BIG DATA	13	15	0
153C1A0517	RT4105L	UML AND DESIGN PATTERNS LAB	18	35	2
153C1A0517	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	43	2
153C1A0517	RT4105N	SOFTWARE TESTING LAB	22	39	2
153C1A0517	RT4105O	HADOOP AND BIGDATA LAB	22	44	2
153C1A0518	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	13	0

Htno	Subcode	Subname	Internal	External	Credits
153C1A0518	RT41052	UML AND DESIGN PATTERNS	16	15	0
153C1A0518	RT41053	MOBILE COMPUTING	22	26	3
153C1A0518	RT41054	SOFTWARE TESTING METHODOLOGIES	19	24	3
153C1A0518	RT4105B	HADOOP AND BIG DATA	14	26	3
153C1A0518	RT4105L	UML AND DESIGN PATTERNS LAB	18	36	2
153C1A0518	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
153C1A0518	RT4105N	SOFTWARE TESTING LAB	16	16	0
153C1A0518	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
153C1A0520	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	29	3
153C1A0520	RT41052	UML AND DESIGN PATTERNS	22	42	3
153C1A0520	RT41053	MOBILE COMPUTING	21	40	3
153C1A0520	RT41054	SOFTWARE TESTING METHODOLOGIES	22	30	3
153C1A0520	RT4105B	HADOOP AND BIG DATA	19	44	3
153C1A0520	RT4105L	UML AND DESIGN PATTERNS LAB	19	38	2
153C1A0520	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	44	2
153C1A0520	RT4105N	SOFTWARE TESTING LAB	22	29	2
153C1A0520	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
153C1A0521	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	51	3
153C1A0521	RT41052	UML AND DESIGN PATTERNS	25	32	3
153C1A0521	RT41053	MOBILE COMPUTING	29	49	3
153C1A0521	RT41054	SOFTWARE TESTING METHODOLOGIES	30	51	3
153C1A0521	RT4105B	HADOOP AND BIG DATA	29	48	3
153C1A0521	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
153C1A0521	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
153C1A0521	RT4105N	SOFTWARE TESTING LAB	25	49	2
153C1A0521	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
153C1A0522	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	30	35	3
153C1A0522	RT41052	UML AND DESIGN PATTERNS	26	60	3
153C1A0522	RT41053	MOBILE COMPUTING	30	40	3
153C1A0522	RT41054	SOFTWARE TESTING METHODOLOGIES	29	37	3
153C1A0522	RT4105B	HADOOP AND BIG DATA	30	61	3
153C1A0522	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
153C1A0522	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
153C1A0522	RT4105N	SOFTWARE TESTING LAB	24	45	2
153C1A0522	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
153C1A0523	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	16	0
153C1A0523	RT41052	UML AND DESIGN PATTERNS	19	17	0
153C1A0523	RT41053	MOBILE COMPUTING	16	36	3
153C1A0523	RT41054	SOFTWARE TESTING METHODOLOGIES	16	30	3
153C1A0523	RT4105B	HADOOP AND BIG DATA	19	38	3
153C1A0523	RT4105L	UML AND DESIGN PATTERNS LAB	17	35	2
153C1A0523	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	42	2
153C1A0523	RT4105N	SOFTWARE TESTING LAB	18	30	2
153C1A0523	RT4105O	HADOOP AND BIGDATA LAB	22	43	2
153C1A0524	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	9	23	0
153C1A0524	RT41052	UML AND DESIGN PATTERNS	14	31	3
153C1A0524	RT41053	MOBILE COMPUTING	21	26	3
153C1A0524	RT41054	SOFTWARE TESTING METHODOLOGIES	18	26	3
153C1A0524	RT4105B	HADOOP AND BIG DATA	13	16	0
153C1A0524	RT4105L	UML AND DESIGN PATTERNS LAB	15	34	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0524	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
153C1A0524	RT4105N	SOFTWARE TESTING LAB	12	16	0
153C1A0524	RT4105O	HADOOP AND BIGDATA LAB	21	40	2
153C1A0525	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	40	3
153C1A0525	RT41052	UML AND DESIGN PATTERNS	23	30	3
153C1A0525	RT41053	MOBILE COMPUTING	24	33	3
153C1A0525	RT41054	SOFTWARE TESTING METHODOLOGIES	23	40	3
153C1A0525	RT4105B	HADOOP AND BIG DATA	24	38	3
153C1A0525	RT4105L	UML AND DESIGN PATTERNS LAB	24	47	2
153C1A0525	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	48	2
153C1A0525	RT4105N	SOFTWARE TESTING LAB	24	48	2
153C1A0525	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
153C1A0526	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	34	3
153C1A0526	RT41052	UML AND DESIGN PATTERNS	20	50	3
153C1A0526	RT41053	MOBILE COMPUTING	20	33	3
153C1A0526	RT41054	SOFTWARE TESTING METHODOLOGIES	22	36	3
153C1A0526	RT4105B	HADOOP AND BIG DATA	26	41	3
153C1A0526	RT4105L	UML AND DESIGN PATTERNS LAB	19	42	2
153C1A0526	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	47	2
153C1A0526	RT4105N	SOFTWARE TESTING LAB	20	46	2
153C1A0526	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
153C1A0527	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	16	0
153C1A0527	RT41052	UML AND DESIGN PATTERNS	19	24	3
153C1A0527	RT41053	MOBILE COMPUTING	17	33	3
153C1A0527	RT41054	SOFTWARE TESTING METHODOLOGIES	12	28	3
153C1A0527	RT4105B	HADOOP AND BIG DATA	18	24	3
153C1A0527	RT4105L	UML AND DESIGN PATTERNS LAB	22	41	2
153C1A0527	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
153C1A0527	RT4105N	SOFTWARE TESTING LAB	22	40	2
153C1A0527	RT4105O	HADOOP AND BIGDATA LAB	22	45	2
153C1A0528	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	12	23	0
153C1A0528	RT41052	UML AND DESIGN PATTERNS	14	22	0
153C1A0528	RT41053	MOBILE COMPUTING	15	28	3
153C1A0528	RT41054	SOFTWARE TESTING METHODOLOGIES	16	18	0
153C1A0528	RT4105B	HADOOP AND BIG DATA	13	14	0
153C1A0528	RT4105L	UML AND DESIGN PATTERNS LAB	13	16	0
153C1A0528	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
153C1A0528	RT4105N	SOFTWARE TESTING LAB	12	16	0
153C1A0528	RT4105O	HADOOP AND BIGDATA LAB	21	40	2
153C1A0529	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	43	3
153C1A0529	RT41052	UML AND DESIGN PATTERNS	21	25	3
153C1A0529	RT41053	MOBILE COMPUTING	27	40	3
153C1A0529	RT41054	SOFTWARE TESTING METHODOLOGIES	26	27	3
153C1A0529	RT4105B	HADOOP AND BIG DATA	21	24	3
153C1A0529	RT4105L	UML AND DESIGN PATTERNS LAB	20	40	2
153C1A0529	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
153C1A0529	RT4105N	SOFTWARE TESTING LAB	23	45	2
153C1A0529	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
153C1A0530	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	33	3
153C1A0530	RT41052	UML AND DESIGN PATTERNS	21	43	3

Htno	Subcode	Subname	Internal	External	Credits
153C1A0530	RT41053	MOBILE COMPUTING	28	34	3
153C1A0530	RT41054	SOFTWARE TESTING METHODOLOGIES	24	38	3
153C1A0530	RT4105B	HADOOP AND BIG DATA	22	40	3
153C1A0530	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
153C1A0530	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
153C1A0530	RT4105N	SOFTWARE TESTING LAB	23	40	2
153C1A0530	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
153C1A0531	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	13	0
153C1A0531	RT41052	UML AND DESIGN PATTERNS	19	21	0
153C1A0531	RT41053	MOBILE COMPUTING	20	24	3
153C1A0531	RT41054	SOFTWARE TESTING METHODOLOGIES	15	25	3
153C1A0531	RT4105B	HADOOP AND BIG DATA	19	26	3
153C1A0531	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
153C1A0531	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	48	2
153C1A0531	RT4105N	SOFTWARE TESTING LAB	21	47	2
153C1A0531	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
153C1A0532	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	13	10	0
153C1A0532	RT41052	UML AND DESIGN PATTERNS	15	8	0
153C1A0532	RT41053	MOBILE COMPUTING	16	12	0
153C1A0532	RT41054	SOFTWARE TESTING METHODOLOGIES	19	6	0
153C1A0532	RT4105B	HADOOP AND BIG DATA	10	16	0
153C1A0532	RT4105L	UML AND DESIGN PATTERNS LAB	17	28	2
153C1A0532	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
153C1A0532	RT4105N	SOFTWARE TESTING LAB	21	30	2
153C1A0532	RT4105O	HADOOP AND BIGDATA LAB	23	44	2
153C1A0533	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	27	3
153C1A0533	RT41052	UML AND DESIGN PATTERNS	18	10	0
153C1A0533	RT41053	MOBILE COMPUTING	26	10	0
153C1A0533	RT41054	SOFTWARE TESTING METHODOLOGIES	20	32	3
153C1A0533	RT4105B	HADOOP AND BIG DATA	15	32	3
153C1A0533	RT4105L	UML AND DESIGN PATTERNS LAB	18	34	2
153C1A0533	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
153C1A0533	RT4105N	SOFTWARE TESTING LAB	22	35	2
153C1A0533	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
153C1A0534	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	7	0
153C1A0534	RT41052	UML AND DESIGN PATTERNS	22	6	0
153C1A0534	RT41053	MOBILE COMPUTING	23	11	0
153C1A0534	RT41054	SOFTWARE TESTING METHODOLOGIES	18	30	3
153C1A0534	RT4105B	HADOOP AND BIG DATA	21	38	3
153C1A0534	RT4105L	UML AND DESIGN PATTERNS LAB	21	40	2
153C1A0534	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	47	2
153C1A0534	RT4105N	SOFTWARE TESTING LAB	24	42	2
153C1A0534	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
153C1A0535	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	10	0
153C1A0535	RT41052	UML AND DESIGN PATTERNS	21	0	0
153C1A0535	RT41053	MOBILE COMPUTING	21	16	0
153C1A0535	RT41054	SOFTWARE TESTING METHODOLOGIES	20	15	0
153C1A0535	RT4105B	HADOOP AND BIG DATA	17	39	3
153C1A0535	RT4105L	UML AND DESIGN PATTERNS LAB	20	37	2
153C1A0535	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	49	2

Htno	Subcode	Subname	Internal	External	Credits
153C1A0535	RT4105N	SOFTWARE TESTING LAB	24	47	2
153C1A0535	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
153C1A0536	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	34	3
153C1A0536	RT41052	UML AND DESIGN PATTERNS	23	46	3
153C1A0536	RT41053	MOBILE COMPUTING	27	43	3
153C1A0536	RT41054	SOFTWARE TESTING METHODOLOGIES	27	35	3
153C1A0536	RT4105B	HADOOP AND BIG DATA	27	45	3
153C1A0536	RT4105L	UML AND DESIGN PATTERNS LAB	24	46	2
153C1A0536	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
153C1A0536	RT4105N	SOFTWARE TESTING LAB	24	45	2
153C1A0536	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
153C1A0537	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	36	3
153C1A0537	RT41052	UML AND DESIGN PATTERNS	17	30	3
153C1A0537	RT41053	MOBILE COMPUTING	24	31	3
153C1A0537	RT41054	SOFTWARE TESTING METHODOLOGIES	17	28	3
153C1A0537	RT4105B	HADOOP AND BIG DATA	17	24	3
153C1A0537	RT4105L	UML AND DESIGN PATTERNS LAB	20	40	2
153C1A0537	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
153C1A0537	RT4105N	SOFTWARE TESTING LAB	22	38	2
153C1A0537	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
153C1A0538	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	34	3
153C1A0538	RT41052	UML AND DESIGN PATTERNS	24	43	3
153C1A0538	RT41053	MOBILE COMPUTING	25	35	3
153C1A0538	RT41054	SOFTWARE TESTING METHODOLOGIES	23	37	3
153C1A0538	RT4105B	HADOOP AND BIG DATA	25	53	3
153C1A0538	RT4105L	UML AND DESIGN PATTERNS LAB	25	48	2
153C1A0538	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
153C1A0538	RT4105N	SOFTWARE TESTING LAB	24	47	2
153C1A0538	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
153C1A0539	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	16	0
153C1A0539	RT41052	UML AND DESIGN PATTERNS	15	12	0
153C1A0539	RT41053	MOBILE COMPUTING	17	3	0
153C1A0539	RT41054	SOFTWARE TESTING METHODOLOGIES	16	10	0
153C1A0539	RT4105B	HADOOP AND BIG DATA	16	33	3
153C1A0539	RT4105L	UML AND DESIGN PATTERNS LAB	11	17	0
153C1A0539	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
153C1A0539	RT4105N	SOFTWARE TESTING LAB	12	16	0
153C1A0539	RT4105O	HADOOP AND BIGDATA LAB	21	42	2
153C5A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	16	27	3
153C5A0304	RT41033	FINITE ELEMENT METHODS	19	9	0
153C5A0304	RT41035	MEMS	15	14	0
153C5A0304	RT41039	AUTOMATION IN MANUFACTURING	17	12	0
153C5A0313	RT41033	FINITE ELEMENT METHODS	20	17	0
153C5A0328	RT41033	FINITE ELEMENT METHODS	20	34	3
153C5A0333	RT41033	FINITE ELEMENT METHODS	20	0	0
153C5A0334	RT41033	FINITE ELEMENT METHODS	26	26	3
153C5A0336	RT41033	FINITE ELEMENT METHODS	25	14	0
153C5A0336	RT41039	AUTOMATION IN MANUFACTURING	25	27	3
153C5A0337	RT41033	FINITE ELEMENT METHODS	20	25	3
153C5A0338	RT41033	FINITE ELEMENT METHODS	20	11	0

Htno	Subcode	Subname	Internal	External	Credits
153C5A0342	RT41033	FINITE ELEMENT METHODS	19	16	0
153C5A0409	RT41041	VLSI DESIGN	12	16	0
153C5A0409	RT41042	COMPUTER NETWORKS	15	9	0
153C5A0409	RT41043	DIGITAL IMAGE PROCESSING	18	0	0
153C5A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	0	0
153C5A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	35	3
153C5A0411	RT4104A	OPTICAL COMMUNICATION	19	33	3
153C5A0413	RT41043	DIGITAL IMAGE PROCESSING	19	30	3
153C5A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	30	3
153C5A0416	RT41043	DIGITAL IMAGE PROCESSING	20	25	3
153C5A0418	RT41043	DIGITAL IMAGE PROCESSING	24	42	3
153C5A0420	RT41043	DIGITAL IMAGE PROCESSING	20	32	3
163C5A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	26	32	3
163C5A0101	RT41012	PRESTRESSED CONCRETE	27	34	3
163C5A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	46	3
163C5A0101	RT41014	WATER RESOURCES ENGINEERING - II	28	24	3
163C5A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	49	3
163C5A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	30	3
163C5A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	47	2
163C5A0101	RT4101M	GIS AND CAD LAB	25	48	2
163C5A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	28	60	3
163C5A0102	RT41012	PRESTRESSED CONCRETE	29	68	3
163C5A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	30	37	3
163C5A0102	RT41014	WATER RESOURCES ENGINEERING - II	30	51	3
163C5A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	28	34	3
163C5A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	28	56	3
163C5A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
163C5A0102	RT4101M	GIS AND CAD LAB	25	48	2
163C5A0103	RT41011	ENVIRONMENTAL ENGINEERING- II	23	38	3
163C5A0103	RT41012	PRESTRESSED CONCRETE	28	35	3
163C5A0103	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	57	3
163C5A0103	RT41014	WATER RESOURCES ENGINEERING - II	28	30	3
163C5A0103	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	37	3
163C5A0103	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	32	3
163C5A0103	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
163C5A0103	RT4101M	GIS AND CAD LAB	24	47	2
163C5A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	27	19	0
163C5A0104	RT41012	PRESTRESSED CONCRETE	23	35	3
163C5A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	35	3
163C5A0104	RT41014	WATER RESOURCES ENGINEERING - II	26	31	3
163C5A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	24	3
163C5A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	24	3
163C5A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	44	2
163C5A0104	RT4101M	GIS AND CAD LAB	23	45	2
163C5A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	24	34	3
163C5A0105	RT41012	PRESTRESSED CONCRETE	23	38	3
163C5A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	41	3
163C5A0105	RT41014	WATER RESOURCES ENGINEERING - II	27	34	3
163C5A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	45	3
163C5A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	27	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
163C5A0105	RT4101M	GIS AND CAD LAB	23	46	2
163C5A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	26	50	3
163C5A0106	RT41012	PRESTRESSED CONCRETE	29	62	3
163C5A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	38	3
163C5A0106	RT41014	WATER RESOURCES ENGINEERING - II	29	39	3
163C5A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	25	3
163C5A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	27	32	3
163C5A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
163C5A0106	RT4101M	GIS AND CAD LAB	24	48	2
163C5A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	29	39	3
163C5A0107	RT41012	PRESTRESSED CONCRETE	26	53	3
163C5A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	66	3
163C5A0107	RT41014	WATER RESOURCES ENGINEERING - II	30	43	3
163C5A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	45	3
163C5A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	40	3
163C5A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	48	2
163C5A0107	RT4101M	GIS AND CAD LAB	25	49	2
163C5A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	23	40	3
163C5A0108	RT41012	PRESTRESSED CONCRETE	21	36	3
163C5A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	38	3
163C5A0108	RT41014	WATER RESOURCES ENGINEERING - II	28	38	3
163C5A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	17	0
163C5A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	37	3
163C5A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	18	40	2
163C5A0108	RT4101M	GIS AND CAD LAB	22	45	2
163C5A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	26	31	3
163C5A0109	RT41012	PRESTRESSED CONCRETE	25	31	3
163C5A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	45	3
163C5A0109	RT41014	WATER RESOURCES ENGINEERING - II	28	25	3
163C5A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	50	3
163C5A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	28	3
163C5A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
163C5A0109	RT4101M	GIS AND CAD LAB	23	47	2
163C5A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	22	45	3
163C5A0110	RT41012	PRESTRESSED CONCRETE	26	50	3
163C5A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	19	0
163C5A0110	RT41014	WATER RESOURCES ENGINEERING - II	26	24	3
163C5A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	50	3
163C5A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	16	35	3
163C5A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	40	2
163C5A0110	RT4101M	GIS AND CAD LAB	24	48	2
163C5A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	24	25	3
163C5A0111	RT41012	PRESTRESSED CONCRETE	25	26	3
163C5A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	33	3
163C5A0111	RT41014	WATER RESOURCES ENGINEERING - II	24	9	0
163C5A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	19	0
163C5A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	24	3
163C5A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	37	2
163C5A0111	RT4101M	GIS AND CAD LAB	23	46	2

Htno	Subcode	Subname	Internal	External	Credits
163C5A0112	RT41011	ENVIRONMENTAL ENGINEERING- II	18	3	0
163C5A0112	RT41012	PRESTRESSED CONCRETE	20	46	3
163C5A0112	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	18	0	0
163C5A0112	RT41014	WATER RESOURCES ENGINEERING - II	28	0	0
163C5A0112	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	0	0
163C5A0112	RT41016	GROUND IMPROVEMENT TECHNIQUES	14	1	0
163C5A0112	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	36	2
163C5A0112	RT4101M	GIS AND CAD LAB	24	48	2
163C5A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	22	30	3
163C5A0113	RT41012	PRESTRESSED CONCRETE	27	35	3
163C5A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	19	33	3
163C5A0113	RT41014	WATER RESOURCES ENGINEERING - II	26	14	0
163C5A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	36	3
163C5A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	29	3
163C5A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	36	2
163C5A0113	RT4101M	GIS AND CAD LAB	23	46	2
163C5A0114	RT41011	ENVIRONMENTAL ENGINEERING- II	19	33	3
163C5A0114	RT41012	PRESTRESSED CONCRETE	25	55	3
163C5A0114	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	21	30	3
163C5A0114	RT41014	WATER RESOURCES ENGINEERING - II	22	13	0
163C5A0114	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	16	0
163C5A0114	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	28	3
163C5A0114	RT4101L	ENVIRONMENTAL ENGINEERING LAB	16	39	2
163C5A0114	RT4101M	GIS AND CAD LAB	24	47	2
163C5A0116	RT41011	ENVIRONMENTAL ENGINEERING- II	25	30	3
163C5A0116	RT41012	PRESTRESSED CONCRETE	26	15	0
163C5A0116	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	19	44	3
163C5A0116	RT41014	WATER RESOURCES ENGINEERING - II	27	36	3
163C5A0116	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	31	3
163C5A0116	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	24	3
163C5A0116	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	40	2
163C5A0116	RT4101M	GIS AND CAD LAB	18	37	2
163C5A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	33	3
163C5A0201	RT41022	HVAC AND DC TRANSMISSION	24	34	3
163C5A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	27	3
163C5A0201	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	19	29	3
163C5A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	34	3
163C5A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
163C5A0201	RT4102M	ELECTRICAL SIMULATION LAB	20	32	2
163C5A0201	RT4102N	POWER SYSTEMS LAB	23	47	2
163C5A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	35	3
163C5A0202	RT41022	HVAC AND DC TRANSMISSION	23	24	3
163C5A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	30	3
163C5A0202	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	20	24	3
163C5A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	28	3
163C5A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2
163C5A0202	RT4102M	ELECTRICAL SIMULATION LAB	23	35	2
163C5A0202	RT4102N	POWER SYSTEMS LAB	23	48	2
163C5A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	30	3
163C5A0203	RT41022	HVAC AND DC TRANSMISSION	27	40	3



Htno	Subcode	Subname	Internal	External	Credits
163C5A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	24	3
163C5A0203	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	24	36	3
163C5A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	35	3
163C5A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	44	2
163C5A0203	RT4102M	ELECTRICAL SIMULATION LAB	16	35	2
163C5A0203	RT4102N	POWER SYSTEMS LAB	24	48	2
163C5A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	16	0
163C5A0204	RT41022	HVAC AND DC TRANSMISSION	26	30	3
163C5A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	18	0
163C5A0204	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	23	25	3
163C5A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	33	3
163C5A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
163C5A0204	RT4102M	ELECTRICAL SIMULATION LAB	17	32	2
163C5A0204	RT4102N	POWER SYSTEMS LAB	24	47	2
163C5A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	45	3
163C5A0205	RT41022	HVAC AND DC TRANSMISSION	24	30	3
163C5A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	26	3
163C5A0205	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	19	8	0
163C5A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	38	3
163C5A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
163C5A0205	RT4102M	ELECTRICAL SIMULATION LAB	18	34	2
163C5A0205	RT4102N	POWER SYSTEMS LAB	23	48	2
163C5A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	0	0
163C5A0206	RT41022	HVAC AND DC TRANSMISSION	27	25	3
163C5A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	7	0
163C5A0206	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	23	0	0
163C5A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	29	3
163C5A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
163C5A0206	RT4102M	ELECTRICAL SIMULATION LAB	18	35	2
163C5A0206	RT4102N	POWER SYSTEMS LAB	23	45	2
163C5A0207	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	26	3
163C5A0207	RT41022	HVAC AND DC TRANSMISSION	20	24	3
163C5A0207	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	0	0
163C5A0207	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	20	11	0
163C5A0207	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	20	0
163C5A0207	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
163C5A0207	RT4102M	ELECTRICAL SIMULATION LAB	17	33	2
163C5A0207	RT4102N	POWER SYSTEMS LAB	23	45	2
163C5A0208	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	24	3
163C5A0208	RT41022	HVAC AND DC TRANSMISSION	26	24	3
163C5A0208	RT41023	POWER SYSTEM OPERATION AND CONTROL	15	13	0
163C5A0208	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	23	12	0
163C5A0208	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	31	3
163C5A0208	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
163C5A0208	RT4102M	ELECTRICAL SIMULATION LAB	16	32	2
163C5A0208	RT4102N	POWER SYSTEMS LAB	24	46	2
163C5A0209	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	37	3
163C5A0209	RT41022	HVAC AND DC TRANSMISSION	25	24	3
163C5A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	37	3
163C5A0209	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	17	28	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0209	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	33	3
163C5A0209	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
163C5A0209	RT4102M	ELECTRICAL SIMULATION LAB	16	32	2
163C5A0209	RT4102N	POWER SYSTEMS LAB	23	46	2
163C5A0210	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	24	34	3
163C5A0210	RT41022	HVAC AND DC TRANSMISSION	23	24	3
163C5A0210	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	30	3
163C5A0210	RT41024	ENERGY AUDIT CONSERVATION AND MANAGEMENT	20	9	0
163C5A0210	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	30	3
163C5A0210	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
163C5A0210	RT4102M	ELECTRICAL SIMULATION LAB	19	37	2
163C5A0210	RT4102N	POWER SYSTEMS LAB	23	45	2
163C5A0301	RT41031	AUTOMOBILE ENGINEERING	27	36	3
163C5A0301	RT41032	CAD / CAM	25	44	3
163C5A0301	RT41033	FINITE ELEMENT METHODS	26	35	3
163C5A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	46	3
163C5A0301	RT41035	MEMS	19	28	3
163C5A0301	RT41039	AUTOMATION IN MANUFACTURING	23	42	3
163C5A0301	RT4103L	SIMULATION LAB	24	39	2
163C5A0301	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
163C5A0302	RT41031	AUTOMOBILE ENGINEERING	23	54	3
163C5A0302	RT41032	CAD / CAM	27	33	3
163C5A0302	RT41033	FINITE ELEMENT METHODS	22	40	3
163C5A0302	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	45	3
163C5A0302	RT41035	MEMS	20	49	3
163C5A0302	RT41039	AUTOMATION IN MANUFACTURING	26	36	3
163C5A0302	RT4103L	SIMULATION LAB	24	38	2
163C5A0302	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
163C5A0303	RT41031	AUTOMOBILE ENGINEERING	27	33	3
163C5A0303	RT41032	CAD / CAM	21	14	0
163C5A0303	RT41033	FINITE ELEMENT METHODS	21	44	3
163C5A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	24	3
163C5A0303	RT41035	MEMS	16	31	3
163C5A0303	RT41039	AUTOMATION IN MANUFACTURING	19	57	3
163C5A0303	RT4103L	SIMULATION LAB	24	38	2
163C5A0303	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
163C5A0304	RT41031	AUTOMOBILE ENGINEERING	26	48	3
163C5A0304	RT41032	CAD / CAM	21	56	3
163C5A0304	RT41033	FINITE ELEMENT METHODS	22	34	3
163C5A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	33	3
163C5A0304	RT41035	MEMS	16	39	3
163C5A0304	RT41039	AUTOMATION IN MANUFACTURING	21	28	3
163C5A0304	RT4103L	SIMULATION LAB	22	38	2
163C5A0304	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
163C5A0305	RT41031	AUTOMOBILE ENGINEERING	27	55	3
163C5A0305	RT41032	CAD / CAM	25	47	3
163C5A0305	RT41033	FINITE ELEMENT METHODS	25	45	3
163C5A0305	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	47	3
163C5A0305	RT41035	MEMS	19	41	3
163C5A0305	RT41039	AUTOMATION IN MANUFACTURING	28	45	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0305	RT4103L	SIMULATION LAB	24	42	2
163C5A0305	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
163C5A0306	RT41031	AUTOMOBILE ENGINEERING	27	45	3
163C5A0306	RT41032	CAD / CAM	26	29	3
163C5A0306	RT41033	FINITE ELEMENT METHODS	26	26	3
163C5A0306	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	13	0
163C5A0306	RT41035	MEMS	22	48	3
163C5A0306	RT41039	AUTOMATION IN MANUFACTURING	26	35	3
163C5A0306	RT4103L	SIMULATION LAB	22	44	2
163C5A0306	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
163C5A0307	RT41031	AUTOMOBILE ENGINEERING	27	33	3
163C5A0307	RT41032	CAD / CAM	29	24	3
163C5A0307	RT41033	FINITE ELEMENT METHODS	27	46	3
163C5A0307	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	30	3
163C5A0307	RT41035	MEMS	21	36	3
163C5A0307	RT41039	AUTOMATION IN MANUFACTURING	29	52	3
163C5A0307	RT4103L	SIMULATION LAB	24	39	2
163C5A0307	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
163C5A0308	RT41031	AUTOMOBILE ENGINEERING	23	39	3
163C5A0308	RT41032	CAD / CAM	21	36	3
163C5A0308	RT41033	FINITE ELEMENT METHODS	22	14	0
163C5A0308	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	24	3
163C5A0308	RT41035	MEMS	12	21	0
163C5A0308	RT41039	AUTOMATION IN MANUFACTURING	24	24	3
163C5A0308	RT4103L	SIMULATION LAB	22	43	2
163C5A0308	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
163C5A0309	RT41031	AUTOMOBILE ENGINEERING	27	45	3
163C5A0309	RT41032	CAD / CAM	24	42	3
163C5A0309	RT41033	FINITE ELEMENT METHODS	26	37	3
163C5A0309	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	45	3
163C5A0309	RT41035	MEMS	20	24	3
163C5A0309	RT41039	AUTOMATION IN MANUFACTURING	25	36	3
163C5A0309	RT4103L	SIMULATION LAB	24	48	2
163C5A0309	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
163C5A0310	RT41031	AUTOMOBILE ENGINEERING	22	45	3
163C5A0310	RT41032	CAD / CAM	23	26	3
163C5A0310	RT41033	FINITE ELEMENT METHODS	20	34	3
163C5A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	27	3
163C5A0310	RT41035	MEMS	13	27	3
163C5A0310	RT41039	AUTOMATION IN MANUFACTURING	21	28	3
163C5A0310	RT4103L	SIMULATION LAB	18	35	2
163C5A0310	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
163C5A0311	RT41031	AUTOMOBILE ENGINEERING	28	47	3
163C5A0311	RT41032	CAD / CAM	22	25	3
163C5A0311	RT41033	FINITE ELEMENT METHODS	27	39	3
163C5A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	31	3
163C5A0311	RT41035	MEMS	22	33	3
163C5A0311	RT41039	AUTOMATION IN MANUFACTURING	27	52	3
163C5A0311	RT4103L	SIMULATION LAB	23	38	2
163C5A0311	RT4103M	DESIGN FABRICATION PROJECT	48	0	1

Htno	Subcode	Subname	Internal	External	Credits
163C5A0312	RT41031	AUTOMOBILE ENGINEERING	26	52	3
163C5A0312	RT41032	CAD / CAM	24	47	3
163C5A0312	RT41033	FINITE ELEMENT METHODS	28	30	3
163C5A0312	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	39	3
163C5A0312	RT41035	MEMS	16	39	3
163C5A0312	RT41039	AUTOMATION IN MANUFACTURING	21	27	3
163C5A0312	RT4103L	SIMULATION LAB	23	43	2
163C5A0312	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
163C5A0313	RT41031	AUTOMOBILE ENGINEERING	24	28	3
163C5A0313	RT41032	CAD / CAM	23	29	3
163C5A0313	RT41033	FINITE ELEMENT METHODS	20	8	0
163C5A0313	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	17	0
163C5A0313	RT41035	MEMS	16	24	3
163C5A0313	RT41039	AUTOMATION IN MANUFACTURING	22	41	3
163C5A0313	RT4103L	SIMULATION LAB	22	35	2
163C5A0313	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
163C5A0314	RT41031	AUTOMOBILE ENGINEERING	24	49	3
163C5A0314	RT41032	CAD / CAM	23	26	3
163C5A0314	RT41033	FINITE ELEMENT METHODS	25	41	3
163C5A0314	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	35	3
163C5A0314	RT41035	MEMS	11	40	3
163C5A0314	RT41039	AUTOMATION IN MANUFACTURING	26	33	3
163C5A0314	RT4103L	SIMULATION LAB	22	35	2
163C5A0314	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
163C5A0315	RT41031	AUTOMOBILE ENGINEERING	26	31	3
163C5A0315	RT41032	CAD / CAM	28	28	3
163C5A0315	RT41033	FINITE ELEMENT METHODS	25	35	3
163C5A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	31	3
163C5A0315	RT41035	MEMS	16	26	3
163C5A0315	RT41039	AUTOMATION IN MANUFACTURING	28	48	3
163C5A0315	RT4103L	SIMULATION LAB	25	45	2
163C5A0315	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
163C5A0316	RT41031	AUTOMOBILE ENGINEERING	28	57	3
163C5A0316	RT41032	CAD / CAM	22	41	3
163C5A0316	RT41033	FINITE ELEMENT METHODS	25	26	3
163C5A0316	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	44	3
163C5A0316	RT41035	MEMS	19	29	3
163C5A0316	RT41039	AUTOMATION IN MANUFACTURING	25	27	3
163C5A0316	RT4103L	SIMULATION LAB	25	48	2
163C5A0316	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
163C5A0317	RT41031	AUTOMOBILE ENGINEERING	21	38	3
163C5A0317	RT41032	CAD / CAM	23	26	3
163C5A0317	RT41033	FINITE ELEMENT METHODS	21	24	3
163C5A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	27	3
163C5A0317	RT41035	MEMS	17	18	0
163C5A0317	RT41039	AUTOMATION IN MANUFACTURING	24	34	3
163C5A0317	RT4103L	SIMULATION LAB	25	35	2
163C5A0317	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
163C5A0318	RT41031	AUTOMOBILE ENGINEERING	30	55	3
163C5A0318	RT41032	CAD / CAM	25	35	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0318	RT41033	FINITE ELEMENT METHODS	26	26	3
163C5A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	31	3
163C5A0318	RT41035	MEMS	23	55	3
163C5A0318	RT41039	AUTOMATION IN MANUFACTURING	29	45	3
163C5A0318	RT4103L	SIMULATION LAB	25	47	2
163C5A0318	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
163C5A0319	RT41031	AUTOMOBILE ENGINEERING	24	17	0
163C5A0319	RT41032	CAD / CAM	26	9	0
163C5A0319	RT41033	FINITE ELEMENT METHODS	25	24	3
163C5A0319	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	24	3
163C5A0319	RT41035	MEMS	20	24	3
163C5A0319	RT41039	AUTOMATION IN MANUFACTURING	22	37	3
163C5A0319	RT4103L	SIMULATION LAB	25	48	2
163C5A0319	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
163C5A0320	RT41031	AUTOMOBILE ENGINEERING	21	43	3
163C5A0320	RT41032	CAD / CAM	21	37	3
163C5A0320	RT41033	FINITE ELEMENT METHODS	16	24	3
163C5A0320	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	37	3
163C5A0320	RT41035	MEMS	16	32	3
163C5A0320	RT41039	AUTOMATION IN MANUFACTURING	18	27	3
163C5A0320	RT4103L	SIMULATION LAB	25	48	2
163C5A0320	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
163C5A0321	RT41031	AUTOMOBILE ENGINEERING	23	44	3
163C5A0321	RT41032	CAD / CAM	23	25	3
163C5A0321	RT41033	FINITE ELEMENT METHODS	26	24	3
163C5A0321	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	36	3
163C5A0321	RT41035	MEMS	6	34	3
163C5A0321	RT41039	AUTOMATION IN MANUFACTURING	15	37	3
163C5A0321	RT4103L	SIMULATION LAB	24	35	2
163C5A0321	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
163C5A0322	RT41031	AUTOMOBILE ENGINEERING	27	58	3
163C5A0322	RT41032	CAD / CAM	21	13	0
163C5A0322	RT41033	FINITE ELEMENT METHODS	28	47	3
163C5A0322	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	39	3
163C5A0322	RT41035	MEMS	14	54	3
163C5A0322	RT41039	AUTOMATION IN MANUFACTURING	23	44	3
163C5A0322	RT4103L	SIMULATION LAB	25	44	2
163C5A0322	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
163C5A0323	RT41031	AUTOMOBILE ENGINEERING	24	30	3
163C5A0323	RT41032	CAD / CAM	21	14	0
163C5A0323	RT41033	FINITE ELEMENT METHODS	24	41	3
163C5A0323	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	31	3
163C5A0323	RT41035	MEMS	18	26	3
163C5A0323	RT41039	AUTOMATION IN MANUFACTURING	21	48	3
163C5A0323	RT4103L	SIMULATION LAB	25	48	2
163C5A0323	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
163C5A0324	RT41031	AUTOMOBILE ENGINEERING	24	41	3
163C5A0324	RT41032	CAD / CAM	26	35	3
163C5A0324	RT41033	FINITE ELEMENT METHODS	28	24	3
163C5A0324	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	34	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0324	RT41035	MEMS	20	32	3
163C5A0324	RT41039	AUTOMATION IN MANUFACTURING	23	32	3
163C5A0324	RT4103L	SIMULATION LAB	25	49	2
163C5A0324	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
163C5A0325	RT41031	AUTOMOBILE ENGINEERING	14	13	0
163C5A0325	RT41032	CAD / CAM	17	4	0
163C5A0325	RT41033	FINITE ELEMENT METHODS	0	0	0
163C5A0325	RT41034	UNCONVENTIONAL MACHINING PROCESSES	4	0	0
163C5A0325	RT41035	MEMS	0	0	0
163C5A0325	RT41039	AUTOMATION IN MANUFACTURING	0	5	0
163C5A0325	RT4103L	SIMULATION LAB	15	25	2
163C5A0325	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
163C5A0326	RT41031	AUTOMOBILE ENGINEERING	17	49	3
163C5A0326	RT41032	CAD / CAM	21	6	0
163C5A0326	RT41033	FINITE ELEMENT METHODS	21	0	0
163C5A0326	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	2	0
163C5A0326	RT41035	MEMS	14	4	0
163C5A0326	RT41039	AUTOMATION IN MANUFACTURING	18	36	3
163C5A0326	RT4103L	SIMULATION LAB	25	28	2
163C5A0326	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
163C5A0327	RT41031	AUTOMOBILE ENGINEERING	29	27	3
163C5A0327	RT41032	CAD / CAM	25	24	3
163C5A0327	RT41033	FINITE ELEMENT METHODS	23	16	0
163C5A0327	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	11	0
163C5A0327	RT41035	MEMS	14	31	3
163C5A0327	RT41039	AUTOMATION IN MANUFACTURING	22	47	3
163C5A0327	RT4103L	SIMULATION LAB	25	48	2
163C5A0327	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
163C5A0328	RT41031	AUTOMOBILE ENGINEERING	22	48	3
163C5A0328	RT41032	CAD / CAM	22	45	3
163C5A0328	RT41033	FINITE ELEMENT METHODS	16	16	0
163C5A0328	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	37	3
163C5A0328	RT41035	MEMS	16	32	3
163C5A0328	RT41039	AUTOMATION IN MANUFACTURING	20	27	3
163C5A0328	RT4103L	SIMULATION LAB	25	30	2
163C5A0328	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
163C5A0401	RT41041	VLSI DESIGN	19	27	3
163C5A0401	RT41042	COMPUTER NETWORKS	13	34	3
163C5A0401	RT41043	DIGITAL IMAGE PROCESSING	17	11	0
163C5A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	33	3
163C5A0401	RT41048	RADAR SYSTEMS	19	37	3
163C5A0401	RT4104A	OPTICAL COMMUNICATION	19	34	3
163C5A0401	RT4104L	V L S I LAB	20	43	2
163C5A0401	RT4104M	MICROWAVE ENGINEERING LAB	23	40	2
163C5A0402	RT41041	VLSI DESIGN	20	11	0
163C5A0402	RT41042	COMPUTER NETWORKS	14	15	0
163C5A0402	RT41043	DIGITAL IMAGE PROCESSING	18	24	3
163C5A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	19	0
163C5A0402	RT41048	RADAR SYSTEMS	20	24	3
163C5A0402	RT4104A	OPTICAL COMMUNICATION	18	25	3

Htno	Subcode	Subname	Internal	External	Credits
163C5A0402	RT4104L	V L S I LAB	13	40	2
163C5A0402	RT4104M	MICROWAVE ENGINEERING LAB	20	30	2
163C5A0403	RT41041	VLSI DESIGN	24	44	3
163C5A0403	RT41042	COMPUTER NETWORKS	21	51	3
163C5A0403	RT41043	DIGITAL IMAGE PROCESSING	28	26	3
163C5A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	45	3
163C5A0403	RT41048	RADAR SYSTEMS	27	34	3
163C5A0403	RT4104A	OPTICAL COMMUNICATION	27	28	3
163C5A0403	RT4104L	V L S I LAB	22	46	2
163C5A0403	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
163C5A0404	RT41041	VLSI DESIGN	22	37	3
163C5A0404	RT41042	COMPUTER NETWORKS	16	42	3
163C5A0404	RT41043	DIGITAL IMAGE PROCESSING	18	44	3
163C5A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	33	3
163C5A0404	RT41048	RADAR SYSTEMS	24	44	3
163C5A0404	RT4104A	OPTICAL COMMUNICATION	18	16	0
163C5A0404	RT4104L	V L S I LAB	22	45	2
163C5A0404	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
163C5A0405	RT41041	VLSI DESIGN	20	10	0
163C5A0405	RT41042	COMPUTER NETWORKS	12	6	0
163C5A0405	RT41043	DIGITAL IMAGE PROCESSING	17	15	0
163C5A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	25	3
163C5A0405	RT41048	RADAR SYSTEMS	20	15	0
163C5A0405	RT4104A	OPTICAL COMMUNICATION	15	5	0
163C5A0405	RT4104L	V L S I LAB	13	40	2
163C5A0405	RT4104M	MICROWAVE ENGINEERING LAB	18	25	2
163C5A0406	RT41041	VLSI DESIGN	19	6	0
163C5A0406	RT41042	COMPUTER NETWORKS	12	3	0
163C5A0406	RT41043	DIGITAL IMAGE PROCESSING	17	15	0
163C5A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	6	0
163C5A0406	RT41048	RADAR SYSTEMS	20	27	3
163C5A0406	RT4104A	OPTICAL COMMUNICATION	20	19	0
163C5A0406	RT4104L	V L S I LAB	18	20	2
163C5A0406	RT4104M	MICROWAVE ENGINEERING LAB	18	25	2
163C5A0407	RT41041	VLSI DESIGN	22	65	3
163C5A0407	RT41042	COMPUTER NETWORKS	20	46	3
163C5A0407	RT41043	DIGITAL IMAGE PROCESSING	20	17	0
163C5A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	44	3
163C5A0407	RT41048	RADAR SYSTEMS	24	39	3
163C5A0407	RT4104A	OPTICAL COMMUNICATION	23	28	3
163C5A0407	RT4104L	V L S I LAB	22	46	2
163C5A0407	RT4104M	MICROWAVE ENGINEERING LAB	23	45	2
163C5A0408	RT41041	VLSI DESIGN	22	24	3
163C5A0408	RT41042	COMPUTER NETWORKS	16	44	3
163C5A0408	RT41043	DIGITAL IMAGE PROCESSING	22	47	3
163C5A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	41	3
163C5A0408	RT41048	RADAR SYSTEMS	18	46	3
163C5A0408	RT4104A	OPTICAL COMMUNICATION	19	24	3
163C5A0408	RT4104L	V L S I LAB	20	45	2
163C5A0408	RT4104M	MICROWAVE ENGINEERING LAB	22	35	2

Htno	Subcode	Subname	Internal	External	Credits
163C5A0409	RT41041	VLSI DESIGN	19	24	3
163C5A0409	RT41042	COMPUTER NETWORKS	11	5	0
163C5A0409	RT41043	DIGITAL IMAGE PROCESSING	15	0	0
163C5A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	28	3
163C5A0409	RT41048	RADAR SYSTEMS	21	24	3
163C5A0409	RT4104A	OPTICAL COMMUNICATION	19	24	3
163C5A0409	RT4104L	V L S I LAB	20	42	2
163C5A0409	RT4104M	MICROWAVE ENGINEERING LAB	21	30	2
163C5A0410	RT41041	VLSI DESIGN	22	28	3
163C5A0410	RT41042	COMPUTER NETWORKS	20	39	3
163C5A0410	RT41043	DIGITAL IMAGE PROCESSING	24	37	3
163C5A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	42	3
163C5A0410	RT41048	RADAR SYSTEMS	23	39	3
163C5A0410	RT4104A	OPTICAL COMMUNICATION	26	33	3
163C5A0410	RT4104L	V L S I LAB	21	45	2
163C5A0410	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
163C5A0411	RT41041	VLSI DESIGN	24	37	3
163C5A0411	RT41042	COMPUTER NETWORKS	16	50	3
163C5A0411	RT41043	DIGITAL IMAGE PROCESSING	19	1	0
163C5A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	43	3
163C5A0411	RT41048	RADAR SYSTEMS	25	36	3
163C5A0411	RT4104A	OPTICAL COMMUNICATION	24	24	3
163C5A0411	RT4104L	V L S I LAB	10	43	2
163C5A0411	RT4104M	MICROWAVE ENGINEERING LAB	23	46	2
163C5A0412	RT41041	VLSI DESIGN	20	12	0
163C5A0412	RT41042	COMPUTER NETWORKS	14	47	3
163C5A0412	RT41043	DIGITAL IMAGE PROCESSING	19	31	3
163C5A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	30	3
163C5A0412	RT41048	RADAR SYSTEMS	20	28	3
163C5A0412	RT4104A	OPTICAL COMMUNICATION	19	11	0
163C5A0412	RT4104L	V L S I LAB	13	40	2
163C5A0412	RT4104M	MICROWAVE ENGINEERING LAB	21	30	2
163C5A0413	RT41041	VLSI DESIGN	26	40	3
163C5A0413	RT41042	COMPUTER NETWORKS	26	45	3
163C5A0413	RT41043	DIGITAL IMAGE PROCESSING	23	33	3
163C5A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	32	3
163C5A0413	RT41048	RADAR SYSTEMS	25	37	3
163C5A0413	RT4104A	OPTICAL COMMUNICATION	24	30	3
163C5A0413	RT4104L	V L S I LAB	23	48	2
163C5A0413	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
163C5A0414	RT41041	VLSI DESIGN	22	38	3
163C5A0414	RT41042	COMPUTER NETWORKS	16	35	3
163C5A0414	RT41043	DIGITAL IMAGE PROCESSING	24	42	3
163C5A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	37	3
163C5A0414	RT41048	RADAR SYSTEMS	21	36	3
163C5A0414	RT4104A	OPTICAL COMMUNICATION	21	43	3
163C5A0414	RT4104L	V L S I LAB	20	46	2
163C5A0414	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
163C5A0415	RT41041	VLSI DESIGN	20	39	3
163C5A0415	RT41042	COMPUTER NETWORKS	14	56	3



Htno	Subcode	Subname	Internal	External	Credits
163C5A0415	RT41043	DIGITAL IMAGE PROCESSING	18	24	3
163C5A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	36	3
163C5A0415	RT41048	RADAR SYSTEMS	24	28	3
163C5A0415	RT4104A	OPTICAL COMMUNICATION	23	26	3
163C5A0415	RT4104L	V L S I LAB	19	44	2
163C5A0415	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
163C5A0417	RT41041	VLSI DESIGN	18	42	3
163C5A0417	RT41042	COMPUTER NETWORKS	15	55	3
163C5A0417	RT41043	DIGITAL IMAGE PROCESSING	24	54	3
163C5A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	43	3
163C5A0417	RT41048	RADAR SYSTEMS	26	43	3
163C5A0417	RT4104A	OPTICAL COMMUNICATION	24	16	0
163C5A0417	RT4104L	V L S I LAB	18	45	2
163C5A0417	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
163C5A0418	RT41041	VLSI DESIGN	24	41	3
163C5A0418	RT41042	COMPUTER NETWORKS	19	49	3
163C5A0418	RT41043	DIGITAL IMAGE PROCESSING	17	32	3
163C5A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	36	3
163C5A0418	RT41048	RADAR SYSTEMS	25	41	3
163C5A0418	RT4104A	OPTICAL COMMUNICATION	24	48	3
163C5A0418	RT4104L	V L S I LAB	20	47	2
163C5A0418	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
163C5A0501	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	16	0
163C5A0501	RT41052	UML AND DESIGN PATTERNS	17	18	0
163C5A0501	RT41053	MOBILE COMPUTING	23	25	3
163C5A0501	RT41054	SOFTWARE TESTING METHODOLOGIES	18	18	0
163C5A0501	RT4105B	HADOOP AND BIG DATA	16	27	3
163C5A0501	RT4105L	UML AND DESIGN PATTERNS LAB	21	39	2
163C5A0501	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
163C5A0501	RT4105N	SOFTWARE TESTING LAB	22	45	2
163C5A0501	RT4105O	HADOOP AND BIGDATA LAB	23	46	2

\*\*NOTE:1 [Last Date for Apply Recounting/Revaluation/Challenge By Revaluation: 12-12-2018]

\*\*NOTE:2 [Please inform to the students enter these subject codes for applying Recounting/Revaluation/Challenge By Revaluation]

\*\* 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.

Date:03-12-2018

*N. Mohan Rao*  
Controller of Examinations