



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for IV B.Tech I Semester Regular/Supplementary Examination Nov-2017
College: BABA INSTITUTE OF TECHNOLOGY & SCIENCES, BAKKANAPALEM, VIZAG:NR

Htno	Subcode	Subname	Internal	External	Credits
10NR1A0225	R41021	COMPUTER ORGANIZATION	20	-1	0
10NR1A0225	R41022	HIGH VOLTAGE ENGINEERING	23	-1	0
10NR1A0444	R41043	DIGITAL IMAGE PROCESSING	17	11	0
10NR1A0444	R41044	RADAR SYSTEMS	9	0	0
10NR1A0516	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	15	20	0
10NR1A0516	R41052	UML & DESIGN PATTERNS	19	15	0
10NR1A0516	R41053	DATA WARE HOUSING AND DATA MINING	17	7	0
10NR1A0516	R41054	MOBILE COMPUTING	15	-1	0
10NR1A0516	R41057	OPEN SOURCE SOFTWARE	20	-1	0
10NR1A0516	R4105B	SOFTWARE PROJECT MANAGEMENT	15	-1	0
11NR1A0103	R41011	GEOTECHNICAL ENGINEERING_II	14	39	4
11NR1A0317	R41031	REFRIGERATION & AIR CONDITIONING	20	13	0
11NR1A0317	R41034	UNCONVENTIONAL MACHINING PROCESSES	17	-3	0
11NR1A0317	R41035	MEMS	18	11	0
11NR1A0328	R41031	REFRIGERATION & AIR CONDITIONING	18	18	0
11NR1A0328	R41037	AUTOMOBILE ENGINEERING	18	30	4
11NR1A0372	R41035	MEMS	17	9	0
11NR1A0373	R41031	REFRIGERATION & AIR CONDITIONING	21	-1	0
11NR1A0373	R41035	MEMS	17	-1	0
11NR1A0409	R41041	OPTICAL COMMUNICATIONS	18	6	0
11NR1A0409	R41042	EMBEDDED SYSTEMS	23	0	0
11NR1A0428	R41041	OPTICAL COMMUNICATIONS	17	-1	0
11NR1A0428	R41042	EMBEDDED SYSTEMS	25	34	4
11NR1A0432	R41041	OPTICAL COMMUNICATIONS	18	30	4
11NR1A0432	R41042	EMBEDDED SYSTEMS	24	34	4
11NR1A0445	R41042	EMBEDDED SYSTEMS	24	37	4
11NR1A0454	R41041	OPTICAL COMMUNICATIONS	16	-1	0
11NR1A0454	R41042	EMBEDDED SYSTEMS	18	-1	0
11NR1A0454	R41043	DIGITAL IMAGE PROCESSING	11	0	0
11NR1A0454	R41044	RADAR SYSTEMS	11	-1	0
11NR1A0454	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	9	6	0
11NR1A0454	R41048	BIO-MEDICAL ENGINEERING	12	0	0
11NR1A0454	R4104B	DIGITAL SIGNAL PROCESSING LAB	12	37	2
11NR1A0454	R4104C	MICROWAVE AND OPTICAL COMMUNICATIONS LAB	14	45	2
11NR1A0518	R41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	8	0
11NR1A0518	R41052	UML & DESIGN PATTERNS	23	7	0
11NR1A0518	R41053	DATA WARE HOUSING AND DATA MINING	22	6	0
11NR1A0518	R41054	MOBILE COMPUTING	21	-1	0
11NR1A0518	R41057	OPEN SOURCE SOFTWARE	15	0	0
11NR1A0518	R4105B	SOFTWARE PROJECT MANAGEMENT	23	-1	0
11NR1A0529	R41052	UML & DESIGN PATTERNS	23	-1	0
11NR1A0531	R41057	OPEN SOURCE SOFTWARE	24	0	0
12NR1A0315	R41031	REFRIGERATION & AIR CONDITIONING	20	14	0
12NR1A0327	R41037	AUTOMOBILE ENGINEERING	17	-1	0

Htno	Subcode	Subname	Internal	External	Credits
12NR1A0328	R41032	CAD/CAM	19	12	0
12NR1A0336	R41031	REFRIGERATION & AIR CONDITIONING	19	-1	0
12NR1A0336	R41032	CAD/CAM	16	-1	0
12NR1A0336	R41033	ALTERNATIVE SOURCES OF ENERGY	22	-1	0
12NR1A0336	R41035	MEMS	22	-1	0
12NR1A0336	R41037	AUTOMOBILE ENGINEERING	16	-1	0
12NR1A0406	R41041	OPTICAL COMMUNICATIONS	16	6	0
12NR1A0406	R41043	DIGITAL IMAGE PROCESSING	24	0	0
12NR1A0406	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	19	29	4
12NR1A0406	R41048	BIO-MEDICAL ENGINEERING	22	13	0
12NR1A0418	R41041	OPTICAL COMMUNICATIONS	9	24	0
12NR1A0418	R41042	EMBEDDED SYSTEMS	15	34	4
12NR1A0418	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	15	27	4
13NR1A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	15	8	0
13NR1A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	16	2	0
13NR1A0110	RT41012	PRESTRESSED CONCRETE	17	6	0
13NR1A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	9	50	3
13NR1A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	10	0	0
13NR1A0111	RT41014	WATER RESOURCES ENGINEERING - II	12	2	0
13NR1A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	9	7	0
13NR1A0115	RT41015	REMOTE SENSING AND GIS APPLICATIONS	11	39	3
13NR1A0122	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	19	10	0
13NR1A0128	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	25	3
13NR1A0145	RT41015	REMOTE SENSING AND GIS APPLICATIONS	9	28	0
13NR1A0232	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	7	9	0
13NR1A0238	RT41023	POWER SYSTEM OPERATION AND CONTROL	8	-1	0
13NR1A0245	RT41023	POWER SYSTEM OPERATION AND CONTROL	7	0	0
13NR1A0245	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	9	-1	0
13NR1A0248	RT41023	POWER SYSTEM OPERATION AND CONTROL	5	40	3
13NR1A0248	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	13	27	3
13NR1A0301	RT41033	FINITE ELEMENT METHODS	15	35	3
13NR1A0303	RT41033	FINITE ELEMENT METHODS	17	30	3
13NR1A0311	RT41033	FINITE ELEMENT METHODS	16	18	0
13NR1A0313	RT41033	FINITE ELEMENT METHODS	9	24	0
13NR1A0316	RT41033	FINITE ELEMENT METHODS	16	45	3
13NR1A0317	RT41033	FINITE ELEMENT METHODS	12	37	3
13NR1A0318	RT41033	FINITE ELEMENT METHODS	15	15	0
13NR1A0319	RT41033	FINITE ELEMENT METHODS	13	24	0
13NR1A0326	RT41033	FINITE ELEMENT METHODS	14	37	3
13NR1A0327	RT41033	FINITE ELEMENT METHODS	12	41	3
13NR1A0329	RT41033	FINITE ELEMENT METHODS	15	26	3
13NR1A0332	RT41033	FINITE ELEMENT METHODS	9	27	0
13NR1A0337	RT41033	FINITE ELEMENT METHODS	17	35	3
13NR1A0338	RT41033	FINITE ELEMENT METHODS	9	39	3
13NR1A0340	RT41033	FINITE ELEMENT METHODS	13	14	0
13NR1A0345	RT41033	FINITE ELEMENT METHODS	16	8	0
13NR1A0345	RT41039	AUTOMATION IN MANUFACTURING	12	0	0
13NR1A0348	RT41033	FINITE ELEMENT METHODS	15	21	0
13NR1A0357	RT41033	FINITE ELEMENT METHODS	16	12	0
13NR1A0367	RT41033	FINITE ELEMENT METHODS	21	18	0

Htno	Subcode	Subname	Internal	External	Credits
13NR1A0370	RT41033	FINITE ELEMENT METHODS	13	-1	0
13NR1A0370	RT41039	AUTOMATION IN MANUFACTURING	17	27	3
13NR1A0375	RT41033	FINITE ELEMENT METHODS	19	6	0
13NR1A0377	RT41033	FINITE ELEMENT METHODS	20	30	3
13NR1A0383	RT41031	AUTOMOBILE ENGINEERING	14	12	0
13NR1A0385	RT41033	FINITE ELEMENT METHODS	18	31	3
13NR1A0387	RT41033	FINITE ELEMENT METHODS	24	28	3
13NR1A0393	RT41033	FINITE ELEMENT METHODS	24	7	0
13NR1A0395	RT41033	FINITE ELEMENT METHODS	20	27	3
13NR1A0398	RT41031	AUTOMOBILE ENGINEERING	16	19	0
13NR1A0398	RT41033	FINITE ELEMENT METHODS	16	9	0
13NR1A03A1	RT41032	CAD CAM	8	6	0
13NR1A03A1	RT41033	FINITE ELEMENT METHODS	18	27	3
13NR1A03A4	RT41033	FINITE ELEMENT METHODS	21	3	0
13NR1A03A7	RT41033	FINITE ELEMENT METHODS	20	21	0
13NR1A03B3	RT41031	AUTOMOBILE ENGINEERING	12	4	0
13NR1A03B3	RT41033	FINITE ELEMENT METHODS	9	4	0
13NR1A0406	RT4104A	OPTICAL COMMUNICATION	23	32	3
13NR1A0407	RT4104A	OPTICAL COMMUNICATION	20	24	3
13NR1A0408	RT4104A	OPTICAL COMMUNICATION	16	4	0
13NR1A0413	RT4104A	OPTICAL COMMUNICATION	18	31	3
13NR1A0415	RT4104A	OPTICAL COMMUNICATION	18	0	0
13NR1A0418	RT4104A	OPTICAL COMMUNICATION	20	22	0
13NR1A0420	RT4104A	OPTICAL COMMUNICATION	18	3	0
13NR1A0421	RT4104A	OPTICAL COMMUNICATION	19	25	3
13NR1A0422	RT41041	VLSI DESIGN	20	7	0
13NR1A0422	RT4104A	OPTICAL COMMUNICATION	21	0	0
13NR1A0425	RT41043	DIGITAL IMAGE PROCESSING	21	21	0
13NR1A0425	RT4104A	OPTICAL COMMUNICATION	20	3	0
13NR1A0428	RT4104A	OPTICAL COMMUNICATION	19	2	0
13NR1A0433	RT41042	COMPUTER NETWORKS	17	-1	0
13NR1A0433	RT41043	DIGITAL IMAGE PROCESSING	8	1	0
13NR1A0433	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	13	2	0
13NR1A0433	RT41048	RADAR SYSTEMS	14	24	0
13NR1A0433	RT4104A	OPTICAL COMMUNICATION	20	4	0
13NR1A0436	RT41043	DIGITAL IMAGE PROCESSING	17	20	0
13NR1A0436	RT4104A	OPTICAL COMMUNICATION	22	11	0
13NR1A0438	RT4104A	OPTICAL COMMUNICATION	20	12	0
13NR1A0441	RT41042	COMPUTER NETWORKS	23	-1	0
13NR1A0441	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	0	0
13NR1A0441	RT4104A	OPTICAL COMMUNICATION	23	3	0
13NR1A0444	RT41043	DIGITAL IMAGE PROCESSING	18	0	0
13NR1A0444	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	3	0
13NR1A0448	RT41043	DIGITAL IMAGE PROCESSING	13	14	0
13NR1A0448	RT4104A	OPTICAL COMMUNICATION	18	25	3
13NR1A0458	RT41043	DIGITAL IMAGE PROCESSING	21	12	0
13NR1A0473	RT4104A	OPTICAL COMMUNICATION	20	3	0
13NR1A0474	RT41043	DIGITAL IMAGE PROCESSING	18	2	0
13NR1A0474	RT4104A	OPTICAL COMMUNICATION	19	13	0
13NR1A0505	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	5	0

Htno	Subcode	Subname	Internal	External	Credits
13NR1A0516	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	12	0
13NR1A0518	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	16	4	0
13NR1A0518	RT41053	MOBILE COMPUTING	17	17	0
13NR1A0521	RT41053	MOBILE COMPUTING	19	20	0
13NR1A0521	RT41054	SOFTWARE TESTING METHODOLOGIES	14	28	3
13NR1A0521	RT4105B	HADOOP AND BIG DATA	10	-1	0
13NR1A0562	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	14	0	0
13NR1A0562	RT41054	SOFTWARE TESTING METHODOLOGIES	18	17	0
13NR1A0565	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	11	0
13NR1A0572	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	36	3
13NR5A0151	R41011	GEOTECHNICAL ENGINEERING_II	15	-1	0
13NR5A0151	R41014	REMOTE SENSING AND GIS APPLICATIONS	16	19	0
13NR5A0157	R41011	GEOTECHNICAL ENGINEERING_II	5	6	0
13NR5A0157	R41012	DESIGN & DRAWING OF IRRIGATION STRUCTURES	0	0	0
13NR5A0157	R41013	ENVIRONMENTAL ENGINEERING	6	21	0
13NR5A0157	R41016	GROUND IMPROVEMENT TECHNIQUES	0	-1	0
13NR5A0162	R41014	REMOTE SENSING AND GIS APPLICATIONS	14	-1	0
13NR5A0162	R41016	GROUND IMPROVEMENT TECHNIQUES	17	-1	0
13NR5A0162	R41018	AIR POLLUTION AND CONTROL	10	-1	0
13NR5A0169	PT41012	INDUSTRIAL WATER AND WASTE WATER MANAGEMENT	23	24	3
13NR5A0169	RT41011	ENVIRONMENTAL ENGINEERING- II	15	-1	0
13NR5A0169	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	29	3
13NR5A0169	RT41016	GROUND IMPROVEMENT TECHNIQUES	14	28	3
13NR5A0171	R41011	GEOTECHNICAL ENGINEERING_II	8	36	4
13NR5A0191	R41011	GEOTECHNICAL ENGINEERING_II	13	16	0
13NR5A0191	R41014	REMOTE SENSING AND GIS APPLICATIONS	15	11	0
13NR5A0208	R41021	COMPUTER ORGANIZATION	14	31	4
13NR5A0208	R41022	HIGH VOLTAGE ENGINEERING	17	16	0
13NR5A0208	R41023	SWITCH GEAR & PROTECTION	25	7	0
13NR5A0208	R41024	POWER SYSTEM OPERATION & CONTROL	22	6	0
13NR5A0208	R41026	INSTRUMENTATION	21	8	0
13NR5A0227	R41024	POWER SYSTEM OPERATION & CONTROL	25	-1	0
13NR5A0227	R41026	INSTRUMENTATION	18	7	0
13NR5A0335	R41031	REFRIGERATION & AIR CONDITIONING	20	12	0
13NR5A0343	R41031	REFRIGERATION & AIR CONDITIONING	20	33	4
13NR5A0348	R41031	REFRIGERATION & AIR CONDITIONING	23	13	0
13NR5A0348	R41033	ALTERNATIVE SOURCES OF ENERGY	21	7	0
13NR5A0357	R41031	REFRIGERATION & AIR CONDITIONING	20	15	0
13NR5A0357	R41033	ALTERNATIVE SOURCES OF ENERGY	18	13	0
13NR5A0357	R41037	AUTOMOBILE ENGINEERING	17	33	4
13NR5A0369	R41033	ALTERNATIVE SOURCES OF ENERGY	20	10	0
13NR5A0369	R41035	MEMS	22	7	0
13NR5A0378	R41031	REFRIGERATION & AIR CONDITIONING	14	-1	0
13NR5A0378	R41032	CAD/CAM	15	-1	0
13NR5A0378	R41033	ALTERNATIVE SOURCES OF ENERGY	19	-1	0
13NR5A0378	R41034	UNCONVENTIONAL MACHINING PROCESSES	17	-1	0
13NR5A0378	R41035	MEMS	16	-1	0
13NR5A0378	R41037	AUTOMOBILE ENGINEERING	23	-1	0
13NR5A0404	R41041	OPTICAL COMMUNICATIONS	17	21	0
13NR5A0404	R41043	DIGITAL IMAGE PROCESSING	14	13	0

Htno	Subcode	Subname	Internal	External	Credits
13NR5A0404	R41044	RADAR SYSTEMS	11	23	0
13NR5A0408	R41043	DIGITAL IMAGE PROCESSING	21	31	4
13NR5A0415	R41042	EMBEDDED SYSTEMS	18	26	4
13NR5A0415	R41043	DIGITAL IMAGE PROCESSING	19	-1	0
13NR5A0419	R41042	EMBEDDED SYSTEMS	20	36	4
13NR5A0419	R41043	DIGITAL IMAGE PROCESSING	17	7	0
13NR5A0422	R41041	OPTICAL COMMUNICATIONS	22	8	0
13NR5A0422	R41043	DIGITAL IMAGE PROCESSING	20	10	0
13NR5A0422	R41044	RADAR SYSTEMS	15	0	0
13NR5A0422	R41048	BIO-MEDICAL ENGINEERING	21	-1	0
13NR5A0434	R41041	OPTICAL COMMUNICATIONS	13	-1	0
13NR5A0434	R41042	EMBEDDED SYSTEMS	19	-1	0
13NR5A0434	R41043	DIGITAL IMAGE PROCESSING	21	-1	0
13NR5A0434	R41044	RADAR SYSTEMS	17	-1	0
13NR5A0434	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	16	-1	0
13NR5A0434	R41048	BIO-MEDICAL ENGINEERING	20	-1	0
13NR5A0442	R41041	OPTICAL COMMUNICATIONS	20	-1	0
13NR5A0442	R41042	EMBEDDED SYSTEMS	16	-1	0
13NR5A0442	R41043	DIGITAL IMAGE PROCESSING	15	-1	0
13NR5A0442	R41044	RADAR SYSTEMS	11	-1	0
13NR5A0442	R41045	TELECOMMUNICATION SWITCHING SYSTEMS	13	-1	0
13NR5A0442	R41048	BIO-MEDICAL ENGINEERING	20	-1	0
14NR1A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	29	35	3
14NR1A0101	RT41012	PRESTRESSED CONCRETE	25	41	3
14NR1A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	42	3
14NR1A0101	RT41014	WATER RESOURCES ENGINEERING - II	27	37	3
14NR1A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	11	0
14NR1A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	30	3
14NR1A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	47	2
14NR1A0101	RT4101M	GIS AND CAD LAB	23	46	2
14NR1A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	25	49	3
14NR1A0102	RT41012	PRESTRESSED CONCRETE	23	31	3
14NR1A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	38	3
14NR1A0102	RT41014	WATER RESOURCES ENGINEERING - II	26	35	3
14NR1A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	60	3
14NR1A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	37	3
14NR1A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
14NR1A0102	RT4101M	GIS AND CAD LAB	20	43	2
14NR1A0103	RT41011	ENVIRONMENTAL ENGINEERING- II	29	17	0
14NR1A0103	RT41012	PRESTRESSED CONCRETE	25	38	3
14NR1A0103	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	24	3
14NR1A0103	RT41014	WATER RESOURCES ENGINEERING - II	25	36	3
14NR1A0103	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	34	3
14NR1A0103	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	48	3
14NR1A0103	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
14NR1A0103	RT4101M	GIS AND CAD LAB	22	42	2
14NR1A0105	RT41011	ENVIRONMENTAL ENGINEERING- II	28	59	3
14NR1A0105	RT41012	PRESTRESSED CONCRETE	28	52	3
14NR1A0105	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	42	3
14NR1A0105	RT41014	WATER RESOURCES ENGINEERING - II	26	31	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0105	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	37	3
14NR1A0105	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	40	3
14NR1A0105	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	47	2
14NR1A0105	RT4101M	GIS AND CAD LAB	23	44	2
14NR1A0106	RT41011	ENVIRONMENTAL ENGINEERING- II	28	46	3
14NR1A0106	RT41012	PRESTRESSED CONCRETE	28	47	3
14NR1A0106	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	41	3
14NR1A0106	RT41014	WATER RESOURCES ENGINEERING - II	21	31	3
14NR1A0106	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	43	3
14NR1A0106	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	36	3
14NR1A0106	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
14NR1A0106	RT4101M	GIS AND CAD LAB	22	44	2
14NR1A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	28	35	3
14NR1A0107	RT41012	PRESTRESSED CONCRETE	17	31	3
14NR1A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	50	3
14NR1A0107	RT41014	WATER RESOURCES ENGINEERING - II	24	51	3
14NR1A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	41	3
14NR1A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	44	3
14NR1A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
14NR1A0107	RT4101M	GIS AND CAD LAB	19	44	2
14NR1A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	24	24	3
14NR1A0109	RT41012	PRESTRESSED CONCRETE	19	38	3
14NR1A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	32	3
14NR1A0109	RT41014	WATER RESOURCES ENGINEERING - II	27	35	3
14NR1A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	34	3
14NR1A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	49	3
14NR1A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	44	2
14NR1A0109	RT4101M	GIS AND CAD LAB	19	42	2
14NR1A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	10	23	0
14NR1A0110	RT41012	PRESTRESSED CONCRETE	3	9	0
14NR1A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	5	26	0
14NR1A0110	RT41014	WATER RESOURCES ENGINEERING - II	5	24	0
14NR1A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	8	25	0
14NR1A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	8	0
14NR1A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	0	43	2
14NR1A0110	RT4101M	GIS AND CAD LAB	11	-1	0
14NR1A0111	RT41011	ENVIRONMENTAL ENGINEERING- II	26	40	3
14NR1A0111	RT41012	PRESTRESSED CONCRETE	26	46	3
14NR1A0111	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	55	3
14NR1A0111	RT41014	WATER RESOURCES ENGINEERING - II	26	41	3
14NR1A0111	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	38	3
14NR1A0111	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	46	3
14NR1A0111	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	46	2
14NR1A0111	RT4101M	GIS AND CAD LAB	20	46	2
14NR1A0112	RT41011	ENVIRONMENTAL ENGINEERING- II	16	28	3
14NR1A0112	RT41012	PRESTRESSED CONCRETE	17	30	3
14NR1A0112	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	25	3
14NR1A0112	RT41014	WATER RESOURCES ENGINEERING - II	18	24	3
14NR1A0112	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	52	3
14NR1A0112	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	35	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0112	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	44	2
14NR1A0112	RT4101M	GIS AND CAD LAB	19	40	2
14NR1A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	24	24	3
14NR1A0113	RT41012	PRESTRESSED CONCRETE	22	28	3
14NR1A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	28	3
14NR1A0113	RT41014	WATER RESOURCES ENGINEERING - II	26	35	3
14NR1A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	31	3
14NR1A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	50	3
14NR1A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	44	2
14NR1A0113	RT4101M	GIS AND CAD LAB	17	40	2
14NR1A0114	RT41011	ENVIRONMENTAL ENGINEERING- II	27	34	3
14NR1A0114	RT41012	PRESTRESSED CONCRETE	21	12	0
14NR1A0114	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	37	3
14NR1A0114	RT41014	WATER RESOURCES ENGINEERING - II	22	25	3
14NR1A0114	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	30	3
14NR1A0114	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	13	0
14NR1A0114	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	44	2
14NR1A0114	RT4101M	GIS AND CAD LAB	21	42	2
14NR1A0115	RT41011	ENVIRONMENTAL ENGINEERING- II	25	48	3
14NR1A0115	RT41012	PRESTRESSED CONCRETE	24	48	3
14NR1A0115	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	40	3
14NR1A0115	RT41014	WATER RESOURCES ENGINEERING - II	26	42	3
14NR1A0115	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	34	3
14NR1A0115	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	33	3
14NR1A0115	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
14NR1A0115	RT4101M	GIS AND CAD LAB	19	40	2
14NR1A0116	RT41011	ENVIRONMENTAL ENGINEERING- II	27	44	3
14NR1A0116	RT41012	PRESTRESSED CONCRETE	26	31	3
14NR1A0116	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	48	3
14NR1A0116	RT41014	WATER RESOURCES ENGINEERING - II	27	24	3
14NR1A0116	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	49	3
14NR1A0116	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	25	3
14NR1A0116	RT4101L	ENVIRONMENTAL ENGINEERING LAB	15	45	2
14NR1A0116	RT4101M	GIS AND CAD LAB	23	46	2
14NR1A0117	RT41011	ENVIRONMENTAL ENGINEERING- II	22	15	0
14NR1A0117	RT41012	PRESTRESSED CONCRETE	21	35	3
14NR1A0117	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	29	3
14NR1A0117	RT41014	WATER RESOURCES ENGINEERING - II	19	36	3
14NR1A0117	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	35	3
14NR1A0117	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	47	3
14NR1A0117	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
14NR1A0117	RT4101M	GIS AND CAD LAB	19	43	2
14NR1A0118	RT41011	ENVIRONMENTAL ENGINEERING- II	27	24	3
14NR1A0118	RT41012	PRESTRESSED CONCRETE	22	37	3
14NR1A0118	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	40	3
14NR1A0118	RT41014	WATER RESOURCES ENGINEERING - II	23	24	3
14NR1A0118	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	25	3
14NR1A0118	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	46	3
14NR1A0118	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	44	2
14NR1A0118	RT4101M	GIS AND CAD LAB	18	40	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0119	RT41011	ENVIRONMENTAL ENGINEERING- II	27	28	3
14NR1A0119	RT41012	PRESTRESSED CONCRETE	23	35	3
14NR1A0119	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	39	3
14NR1A0119	RT41014	WATER RESOURCES ENGINEERING - II	23	9	0
14NR1A0119	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	35	3
14NR1A0119	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	27	3
14NR1A0119	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	44	2
14NR1A0119	RT4101M	GIS AND CAD LAB	20	44	2
14NR1A0120	RT41011	ENVIRONMENTAL ENGINEERING- II	29	42	3
14NR1A0120	RT41012	PRESTRESSED CONCRETE	26	33	3
14NR1A0120	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	51	3
14NR1A0120	RT41014	WATER RESOURCES ENGINEERING - II	26	38	3
14NR1A0120	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	55	3
14NR1A0120	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	40	3
14NR1A0120	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
14NR1A0120	RT4101M	GIS AND CAD LAB	20	46	2
14NR1A0121	RT41011	ENVIRONMENTAL ENGINEERING- II	28	33	3
14NR1A0121	RT41012	PRESTRESSED CONCRETE	23	39	3
14NR1A0121	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	29	3
14NR1A0121	RT41014	WATER RESOURCES ENGINEERING - II	27	15	0
14NR1A0121	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	35	3
14NR1A0121	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	49	3
14NR1A0121	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	46	2
14NR1A0121	RT4101M	GIS AND CAD LAB	20	44	2
14NR1A0122	RT41011	ENVIRONMENTAL ENGINEERING- II	26	16	0
14NR1A0122	RT41012	PRESTRESSED CONCRETE	15	27	3
14NR1A0122	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	9	0
14NR1A0122	RT41014	WATER RESOURCES ENGINEERING - II	23	25	3
14NR1A0122	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	25	3
14NR1A0122	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	12	0
14NR1A0122	RT4101L	ENVIRONMENTAL ENGINEERING LAB	12	44	2
14NR1A0122	RT4101M	GIS AND CAD LAB	17	25	2
14NR1A0125	RT41011	ENVIRONMENTAL ENGINEERING- II	20	34	3
14NR1A0125	RT41012	PRESTRESSED CONCRETE	18	26	3
14NR1A0125	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	38	3
14NR1A0125	RT41014	WATER RESOURCES ENGINEERING - II	20	24	3
14NR1A0125	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	33	3
14NR1A0125	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	3	0
14NR1A0125	RT4101L	ENVIRONMENTAL ENGINEERING LAB	17	46	2
14NR1A0125	RT4101M	GIS AND CAD LAB	23	45	2
14NR1A0126	RT41011	ENVIRONMENTAL ENGINEERING- II	28	62	3
14NR1A0126	RT41012	PRESTRESSED CONCRETE	25	36	3
14NR1A0126	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	45	3
14NR1A0126	RT41014	WATER RESOURCES ENGINEERING - II	26	47	3
14NR1A0126	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	69	3
14NR1A0126	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	24	3
14NR1A0126	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	45	2
14NR1A0126	RT4101M	GIS AND CAD LAB	22	42	2
14NR1A0128	RT41011	ENVIRONMENTAL ENGINEERING- II	26	49	3
14NR1A0128	RT41012	PRESTRESSED CONCRETE	26	54	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0128	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	40	3
14NR1A0128	RT41014	WATER RESOURCES ENGINEERING - II	27	42	3
14NR1A0128	RT41015	REMOTE SENSING AND GIS APPLICATIONS	18	35	3
14NR1A0128	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	41	3
14NR1A0128	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
14NR1A0128	RT4101M	GIS AND CAD LAB	21	44	2
14NR1A0129	RT41011	ENVIRONMENTAL ENGINEERING- II	25	41	3
14NR1A0129	RT41012	PRESTRESSED CONCRETE	28	39	3
14NR1A0129	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	40	3
14NR1A0129	RT41014	WATER RESOURCES ENGINEERING - II	25	24	3
14NR1A0129	RT41015	REMOTE SENSING AND GIS APPLICATIONS	17	32	3
14NR1A0129	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	43	3
14NR1A0129	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	44	2
14NR1A0129	RT4101M	GIS AND CAD LAB	17	41	2
14NR1A0131	RT41011	ENVIRONMENTAL ENGINEERING- II	26	30	3
14NR1A0131	RT41012	PRESTRESSED CONCRETE	22	33	3
14NR1A0131	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	41	3
14NR1A0131	RT41014	WATER RESOURCES ENGINEERING - II	21	35	3
14NR1A0131	RT41015	REMOTE SENSING AND GIS APPLICATIONS	19	33	3
14NR1A0131	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	35	3
14NR1A0131	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	44	2
14NR1A0131	RT4101M	GIS AND CAD LAB	20	42	2
14NR1A0133	RT41011	ENVIRONMENTAL ENGINEERING- II	25	36	3
14NR1A0133	RT41012	PRESTRESSED CONCRETE	25	31	3
14NR1A0133	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	36	3
14NR1A0133	RT41014	WATER RESOURCES ENGINEERING - II	28	25	3
14NR1A0133	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	43	3
14NR1A0133	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	16	0
14NR1A0133	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	45	2
14NR1A0133	RT4101M	GIS AND CAD LAB	20	44	2
14NR1A0134	RT41011	ENVIRONMENTAL ENGINEERING- II	27	35	3
14NR1A0134	RT41012	PRESTRESSED CONCRETE	27	39	3
14NR1A0134	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	39	3
14NR1A0134	RT41014	WATER RESOURCES ENGINEERING - II	27	36	3
14NR1A0134	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	35	3
14NR1A0134	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	50	3
14NR1A0134	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	46	2
14NR1A0134	RT4101M	GIS AND CAD LAB	22	44	2
14NR1A0135	RT41011	ENVIRONMENTAL ENGINEERING- II	22	37	3
14NR1A0135	RT41012	PRESTRESSED CONCRETE	15	17	0
14NR1A0135	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	40	3
14NR1A0135	RT41014	WATER RESOURCES ENGINEERING - II	22	12	0
14NR1A0135	RT41015	REMOTE SENSING AND GIS APPLICATIONS	16	25	3
14NR1A0135	RT41016	GROUND IMPROVEMENT TECHNIQUES	17	16	0
14NR1A0135	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	43	2
14NR1A0135	RT4101M	GIS AND CAD LAB	17	42	2
14NR1A0138	RT41011	ENVIRONMENTAL ENGINEERING- II	25	36	3
14NR1A0138	RT41012	PRESTRESSED CONCRETE	26	40	3
14NR1A0138	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	40	3
14NR1A0138	RT41014	WATER RESOURCES ENGINEERING - II	27	33	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0138	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	3	0
14NR1A0138	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	27	3
14NR1A0138	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
14NR1A0138	RT4101M	GIS AND CAD LAB	20	43	2
14NR1A0139	RT41011	ENVIRONMENTAL ENGINEERING- II	5	-1	0
14NR1A0139	RT41012	PRESTRESSED CONCRETE	10	-1	0
14NR1A0139	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	9	-1	0
14NR1A0139	RT41014	WATER RESOURCES ENGINEERING - II	5	-1	0
14NR1A0139	RT41015	REMOTE SENSING AND GIS APPLICATIONS	4	-1	0
14NR1A0139	RT41016	GROUND IMPROVEMENT TECHNIQUES	5	-1	0
14NR1A0139	RT4101L	ENVIRONMENTAL ENGINEERING LAB	13	-1	0
14NR1A0139	RT4101M	GIS AND CAD LAB	11	-1	0
14NR1A0140	RT41011	ENVIRONMENTAL ENGINEERING- II	29	27	3
14NR1A0140	RT41012	PRESTRESSED CONCRETE	26	39	3
14NR1A0140	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	30	38	3
14NR1A0140	RT41014	WATER RESOURCES ENGINEERING - II	26	15	0
14NR1A0140	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	34	3
14NR1A0140	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	30	3
14NR1A0140	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	47	2
14NR1A0140	RT4101M	GIS AND CAD LAB	23	48	2
14NR1A0141	RT41011	ENVIRONMENTAL ENGINEERING- II	28	16	0
14NR1A0141	RT41012	PRESTRESSED CONCRETE	24	39	3
14NR1A0141	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	50	3
14NR1A0141	RT41014	WATER RESOURCES ENGINEERING - II	23	42	3
14NR1A0141	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	31	3
14NR1A0141	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	61	3
14NR1A0141	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	44	2
14NR1A0141	RT4101M	GIS AND CAD LAB	18	43	2
14NR1A0142	RT41011	ENVIRONMENTAL ENGINEERING- II	27	40	3
14NR1A0142	RT41012	PRESTRESSED CONCRETE	27	44	3
14NR1A0142	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	45	3
14NR1A0142	RT41014	WATER RESOURCES ENGINEERING - II	28	43	3
14NR1A0142	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	50	3
14NR1A0142	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	24	3
14NR1A0142	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
14NR1A0142	RT4101M	GIS AND CAD LAB	22	44	2
14NR1A0143	RT41011	ENVIRONMENTAL ENGINEERING- II	28	53	3
14NR1A0143	RT41012	PRESTRESSED CONCRETE	26	31	3
14NR1A0143	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	67	3
14NR1A0143	RT41014	WATER RESOURCES ENGINEERING - II	20	37	3
14NR1A0143	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	50	3
14NR1A0143	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	70	3
14NR1A0143	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	45	2
14NR1A0143	RT4101M	GIS AND CAD LAB	20	42	2
14NR1A0144	RT41011	ENVIRONMENTAL ENGINEERING- II	28	43	3
14NR1A0144	RT41012	PRESTRESSED CONCRETE	27	41	3
14NR1A0144	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	47	3
14NR1A0144	RT41014	WATER RESOURCES ENGINEERING - II	27	41	3
14NR1A0144	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	35	3
14NR1A0144	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	24	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0144	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
14NR1A0144	RT4101M	GIS AND CAD LAB	21	44	2
14NR1A0145	RT41011	ENVIRONMENTAL ENGINEERING- II	25	17	0
14NR1A0145	RT41012	PRESTRESSED CONCRETE	23	1	0
14NR1A0145	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	50	3
14NR1A0145	RT41014	WATER RESOURCES ENGINEERING - II	20	12	0
14NR1A0145	RT41015	REMOTE SENSING AND GIS APPLICATIONS	16	25	3
14NR1A0145	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	35	3
14NR1A0145	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	44	2
14NR1A0145	RT4101M	GIS AND CAD LAB	18	43	2
14NR1A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	38	3
14NR1A0201	RT41022	HVAC AND DC TRANSMISSION	26	38	3
14NR1A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	61	3
14NR1A0201	RT41025	INSTRUMENTATION	23	44	3
14NR1A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	36	3
14NR1A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
14NR1A0201	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
14NR1A0201	RT4102N	POWER SYSTEMS LAB	25	45	2
14NR1A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	58	3
14NR1A0202	RT41022	HVAC AND DC TRANSMISSION	20	37	3
14NR1A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	49	3
14NR1A0202	RT41025	INSTRUMENTATION	19	58	3
14NR1A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	30	3
14NR1A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
14NR1A0202	RT4102M	ELECTRICAL SIMULATION LAB	24	45	2
14NR1A0202	RT4102N	POWER SYSTEMS LAB	22	43	2
14NR1A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	47	3
14NR1A0203	RT41022	HVAC AND DC TRANSMISSION	22	43	3
14NR1A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	42	3
14NR1A0203	RT41025	INSTRUMENTATION	18	48	3
14NR1A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	39	3
14NR1A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
14NR1A0203	RT4102M	ELECTRICAL SIMULATION LAB	20	46	2
14NR1A0203	RT4102N	POWER SYSTEMS LAB	21	42	2
14NR1A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	56	3
14NR1A0204	RT41022	HVAC AND DC TRANSMISSION	24	33	3
14NR1A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	54	3
14NR1A0204	RT41025	INSTRUMENTATION	19	37	3
14NR1A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	32	3
14NR1A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
14NR1A0204	RT4102M	ELECTRICAL SIMULATION LAB	18	43	2
14NR1A0204	RT4102N	POWER SYSTEMS LAB	20	22	2
14NR1A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	45	3
14NR1A0205	RT41022	HVAC AND DC TRANSMISSION	21	26	3
14NR1A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	37	3
14NR1A0205	RT41025	INSTRUMENTATION	21	30	3
14NR1A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	37	3
14NR1A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	46	2
14NR1A0205	RT4102M	ELECTRICAL SIMULATION LAB	14	46	2
14NR1A0205	RT4102N	POWER SYSTEMS LAB	19	31	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	49	3
14NR1A0206	RT41022	HVAC AND DC TRANSMISSION	20	37	3
14NR1A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	16	37	3
14NR1A0206	RT41025	INSTRUMENTATION	14	70	3
14NR1A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	29	3
14NR1A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	45	2
14NR1A0206	RT4102M	ELECTRICAL SIMULATION LAB	14	42	2
14NR1A0206	RT4102N	POWER SYSTEMS LAB	19	28	2
14NR1A0207	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	40	3
14NR1A0207	RT41022	HVAC AND DC TRANSMISSION	23	36	3
14NR1A0207	RT41023	POWER SYSTEM OPERATION AND CONTROL	17	36	3
14NR1A0207	RT41025	INSTRUMENTATION	18	41	3
14NR1A0207	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	33	3
14NR1A0207	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	46	2
14NR1A0207	RT4102M	ELECTRICAL SIMULATION LAB	19	42	2
14NR1A0207	RT4102N	POWER SYSTEMS LAB	20	42	2
14NR1A0208	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	19	43	3
14NR1A0208	RT41022	HVAC AND DC TRANSMISSION	18	12	0
14NR1A0208	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	39	3
14NR1A0208	RT41025	INSTRUMENTATION	22	36	3
14NR1A0208	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	27	3
14NR1A0208	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	45	2
14NR1A0208	RT4102M	ELECTRICAL SIMULATION LAB	19	35	2
14NR1A0208	RT4102N	POWER SYSTEMS LAB	19	35	2
14NR1A0211	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	35	3
14NR1A0211	RT41022	HVAC AND DC TRANSMISSION	22	38	3
14NR1A0211	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	47	3
14NR1A0211	RT41025	INSTRUMENTATION	23	45	3
14NR1A0211	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	31	3
14NR1A0211	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	44	2
14NR1A0211	RT4102M	ELECTRICAL SIMULATION LAB	24	46	2
14NR1A0211	RT4102N	POWER SYSTEMS LAB	24	40	2
14NR1A0212	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	5	36	3
14NR1A0212	RT41022	HVAC AND DC TRANSMISSION	10	28	0
14NR1A0212	RT41023	POWER SYSTEM OPERATION AND CONTROL	5	11	0
14NR1A0212	RT41025	INSTRUMENTATION	5	-1	0
14NR1A0212	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	2	29	0
14NR1A0212	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	-1	0
14NR1A0212	RT4102M	ELECTRICAL SIMULATION LAB	12	-1	0
14NR1A0212	RT4102N	POWER SYSTEMS LAB	12	-1	0
14NR1A0213	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	43	3
14NR1A0213	RT41022	HVAC AND DC TRANSMISSION	28	43	3
14NR1A0213	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	43	3
14NR1A0213	RT41025	INSTRUMENTATION	25	55	3
14NR1A0213	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	43	3
14NR1A0213	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
14NR1A0213	RT4102M	ELECTRICAL SIMULATION LAB	25	48	2
14NR1A0213	RT4102N	POWER SYSTEMS LAB	24	48	2
14NR1A0214	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	19	60	3
14NR1A0214	RT41022	HVAC AND DC TRANSMISSION	16	17	0

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0214	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	53	3
14NR1A0214	RT41025	INSTRUMENTATION	21	36	3
14NR1A0214	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	40	3
14NR1A0214	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
14NR1A0214	RT4102M	ELECTRICAL SIMULATION LAB	19	42	2
14NR1A0214	RT4102N	POWER SYSTEMS LAB	21	33	2
14NR1A0215	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	44	3
14NR1A0215	RT41022	HVAC AND DC TRANSMISSION	25	37	3
14NR1A0215	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	70	3
14NR1A0215	RT41025	INSTRUMENTATION	26	43	3
14NR1A0215	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	41	3
14NR1A0215	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
14NR1A0215	RT4102M	ELECTRICAL SIMULATION LAB	21	48	2
14NR1A0215	RT4102N	POWER SYSTEMS LAB	22	36	2
14NR1A0216	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	57	3
14NR1A0216	RT41022	HVAC AND DC TRANSMISSION	28	54	3
14NR1A0216	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	37	3
14NR1A0216	RT41025	INSTRUMENTATION	24	70	3
14NR1A0216	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	39	3
14NR1A0216	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
14NR1A0216	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
14NR1A0216	RT4102N	POWER SYSTEMS LAB	23	43	2
14NR1A0217	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	57	3
14NR1A0217	RT41022	HVAC AND DC TRANSMISSION	20	41	3
14NR1A0217	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	39	3
14NR1A0217	RT41025	INSTRUMENTATION	18	41	3
14NR1A0217	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	29	3
14NR1A0217	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	41	2
14NR1A0217	RT4102M	ELECTRICAL SIMULATION LAB	19	42	2
14NR1A0217	RT4102N	POWER SYSTEMS LAB	17	36	2
14NR1A0218	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	56	3
14NR1A0218	RT41022	HVAC AND DC TRANSMISSION	21	27	3
14NR1A0218	RT41023	POWER SYSTEM OPERATION AND CONTROL	16	56	3
14NR1A0218	RT41025	INSTRUMENTATION	20	35	3
14NR1A0218	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	21	27	3
14NR1A0218	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
14NR1A0218	RT4102M	ELECTRICAL SIMULATION LAB	19	42	2
14NR1A0218	RT4102N	POWER SYSTEMS LAB	21	37	2
14NR1A0219	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	16	29	3
14NR1A0219	RT41022	HVAC AND DC TRANSMISSION	21	24	3
14NR1A0219	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	32	3
14NR1A0219	RT41025	INSTRUMENTATION	20	24	3
14NR1A0219	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	0	0
14NR1A0219	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	44	2
14NR1A0219	RT4102M	ELECTRICAL SIMULATION LAB	17	40	2
14NR1A0219	RT4102N	POWER SYSTEMS LAB	18	23	2
14NR1A0220	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	59	3
14NR1A0220	RT41022	HVAC AND DC TRANSMISSION	19	33	3
14NR1A0220	RT41023	POWER SYSTEM OPERATION AND CONTROL	16	33	3
14NR1A0220	RT41025	INSTRUMENTATION	21	61	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0220	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	43	3
14NR1A0220	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
14NR1A0220	RT4102M	ELECTRICAL SIMULATION LAB	20	47	2
14NR1A0220	RT4102N	POWER SYSTEMS LAB	21	34	2
14NR1A0222	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	52	3
14NR1A0222	RT41022	HVAC AND DC TRANSMISSION	23	54	3
14NR1A0222	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	47	3
14NR1A0222	RT41025	INSTRUMENTATION	20	58	3
14NR1A0222	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	44	3
14NR1A0222	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	44	2
14NR1A0222	RT4102M	ELECTRICAL SIMULATION LAB	23	48	2
14NR1A0222	RT4102N	POWER SYSTEMS LAB	24	46	2
14NR1A0224	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	39	3
14NR1A0224	RT41022	HVAC AND DC TRANSMISSION	23	27	3
14NR1A0224	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	42	3
14NR1A0224	RT41025	INSTRUMENTATION	19	37	3
14NR1A0224	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	29	3
14NR1A0224	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
14NR1A0224	RT4102M	ELECTRICAL SIMULATION LAB	19	44	2
14NR1A0224	RT4102N	POWER SYSTEMS LAB	20	40	2
14NR1A0225	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	41	3
14NR1A0225	RT41022	HVAC AND DC TRANSMISSION	22	36	3
14NR1A0225	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	60	3
14NR1A0225	RT41025	INSTRUMENTATION	21	41	3
14NR1A0225	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	31	3
14NR1A0225	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
14NR1A0225	RT4102M	ELECTRICAL SIMULATION LAB	20	46	2
14NR1A0225	RT4102N	POWER SYSTEMS LAB	21	39	2
14NR1A0301	RT41031	AUTOMOBILE ENGINEERING	25	27	3
14NR1A0301	RT41032	CAD CAM	16	34	3
14NR1A0301	RT41033	FINITE ELEMENT METHODS	22	29	3
14NR1A0301	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	25	3
14NR1A0301	RT41035	MEMS	21	24	3
14NR1A0301	RT41039	AUTOMATION IN MANUFACTURING	18	34	3
14NR1A0301	RT4103L	SIMULATION LAB	18	41	2
14NR1A0301	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0302	RT41031	AUTOMOBILE ENGINEERING	17	31	3
14NR1A0302	RT41032	CAD CAM	10	30	3
14NR1A0302	RT41033	FINITE ELEMENT METHODS	19	0	0
14NR1A0302	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	31	3
14NR1A0302	RT41035	MEMS	11	14	0
14NR1A0302	RT41039	AUTOMATION IN MANUFACTURING	19	17	0
14NR1A0302	RT4103L	SIMULATION LAB	10	35	2
14NR1A0302	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
14NR1A0303	RT41031	AUTOMOBILE ENGINEERING	25	27	3
14NR1A0303	RT41032	CAD CAM	21	34	3
14NR1A0303	RT41033	FINITE ELEMENT METHODS	19	36	3
14NR1A0303	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	26	3
14NR1A0303	RT41035	MEMS	20	53	3
14NR1A0303	RT41039	AUTOMATION IN MANUFACTURING	24	39	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0303	RT4103L	SIMULATION LAB	20	43	2
14NR1A0303	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0305	RT41031	AUTOMOBILE ENGINEERING	23	19	0
14NR1A0305	RT41032	CAD CAM	17	29	3
14NR1A0305	RT41033	FINITE ELEMENT METHODS	22	26	3
14NR1A0305	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	46	3
14NR1A0305	RT41035	MEMS	18	24	3
14NR1A0305	RT41039	AUTOMATION IN MANUFACTURING	19	36	3
14NR1A0305	RT4103L	SIMULATION LAB	17	42	2
14NR1A0305	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0306	RT41031	AUTOMOBILE ENGINEERING	24	28	3
14NR1A0306	RT41032	CAD CAM	18	27	3
14NR1A0306	RT41033	FINITE ELEMENT METHODS	20	25	3
14NR1A0306	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	26	3
14NR1A0306	RT41035	MEMS	23	24	3
14NR1A0306	RT41039	AUTOMATION IN MANUFACTURING	17	32	3
14NR1A0306	RT4103L	SIMULATION LAB	17	41	2
14NR1A0306	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
14NR1A0307	RT41031	AUTOMOBILE ENGINEERING	23	33	3
14NR1A0307	RT41032	CAD CAM	17	25	3
14NR1A0307	RT41033	FINITE ELEMENT METHODS	15	25	3
14NR1A0307	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	35	3
14NR1A0307	RT41035	MEMS	18	30	3
14NR1A0307	RT41039	AUTOMATION IN MANUFACTURING	25	25	3
14NR1A0307	RT4103L	SIMULATION LAB	18	40	2
14NR1A0307	RT4103M	DESIGN FABRICATION PROJECT	39	0	1
14NR1A0308	RT41031	AUTOMOBILE ENGINEERING	25	34	3
14NR1A0308	RT41032	CAD CAM	21	18	0
14NR1A0308	RT41033	FINITE ELEMENT METHODS	20	0	0
14NR1A0308	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	27	3
14NR1A0308	RT41035	MEMS	22	36	3
14NR1A0308	RT41039	AUTOMATION IN MANUFACTURING	23	24	3
14NR1A0308	RT4103L	SIMULATION LAB	19	40	2
14NR1A0308	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
14NR1A0309	RT41031	AUTOMOBILE ENGINEERING	19	28	3
14NR1A0309	RT41032	CAD CAM	15	16	0
14NR1A0309	RT41033	FINITE ELEMENT METHODS	19	17	0
14NR1A0309	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	25	3
14NR1A0309	RT41035	MEMS	19	28	3
14NR1A0309	RT41039	AUTOMATION IN MANUFACTURING	20	26	3
14NR1A0309	RT4103L	SIMULATION LAB	16	38	2
14NR1A0309	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0310	RT41031	AUTOMOBILE ENGINEERING	24	25	3
14NR1A0310	RT41032	CAD CAM	21	46	3
14NR1A0310	RT41033	FINITE ELEMENT METHODS	23	24	3
14NR1A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	34	3
14NR1A0310	RT41035	MEMS	20	24	3
14NR1A0310	RT41039	AUTOMATION IN MANUFACTURING	18	32	3
14NR1A0310	RT4103L	SIMULATION LAB	22	48	2
14NR1A0310	RT4103M	DESIGN FABRICATION PROJECT	49	0	1

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0311	RT41031	AUTOMOBILE ENGINEERING	7	33	3
14NR1A0311	RT41032	CAD CAM	13	31	3
14NR1A0311	RT41033	FINITE ELEMENT METHODS	16	13	0
14NR1A0311	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	30	3
14NR1A0311	RT41035	MEMS	13	0	0
14NR1A0311	RT41039	AUTOMATION IN MANUFACTURING	17	0	0
14NR1A0311	RT4103L	SIMULATION LAB	10	36	2
14NR1A0311	RT4103M	DESIGN FABRICATION PROJECT	39	0	1
14NR1A0312	RT41031	AUTOMOBILE ENGINEERING	11	30	3
14NR1A0312	RT41032	CAD CAM	10	19	0
14NR1A0312	RT41033	FINITE ELEMENT METHODS	16	6	0
14NR1A0312	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	17	0
14NR1A0312	RT41035	MEMS	17	36	3
14NR1A0312	RT41039	AUTOMATION IN MANUFACTURING	18	29	3
14NR1A0312	RT4103L	SIMULATION LAB	16	40	2
14NR1A0312	RT4103M	DESIGN FABRICATION PROJECT	38	0	1
14NR1A0315	RT41031	AUTOMOBILE ENGINEERING	21	24	3
14NR1A0315	RT41032	CAD CAM	19	44	3
14NR1A0315	RT41033	FINITE ELEMENT METHODS	25	19	0
14NR1A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	32	3
14NR1A0315	RT41035	MEMS	19	24	3
14NR1A0315	RT41039	AUTOMATION IN MANUFACTURING	21	42	3
14NR1A0315	RT4103L	SIMULATION LAB	19	42	2
14NR1A0315	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0316	RT41031	AUTOMOBILE ENGINEERING	25	29	3
14NR1A0316	RT41032	CAD CAM	19	47	3
14NR1A0316	RT41033	FINITE ELEMENT METHODS	21	24	3
14NR1A0316	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	37	3
14NR1A0316	RT41035	MEMS	21	24	3
14NR1A0316	RT41039	AUTOMATION IN MANUFACTURING	18	39	3
14NR1A0316	RT4103L	SIMULATION LAB	19	43	2
14NR1A0316	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0317	RT41031	AUTOMOBILE ENGINEERING	25	38	3
14NR1A0317	RT41032	CAD CAM	15	29	3
14NR1A0317	RT41033	FINITE ELEMENT METHODS	17	24	3
14NR1A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	36	3
14NR1A0317	RT41035	MEMS	20	17	0
14NR1A0317	RT41039	AUTOMATION IN MANUFACTURING	22	34	3
14NR1A0317	RT4103L	SIMULATION LAB	18	42	2
14NR1A0317	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0318	RT41031	AUTOMOBILE ENGINEERING	17	27	3
14NR1A0318	RT41032	CAD CAM	15	15	0
14NR1A0318	RT41033	FINITE ELEMENT METHODS	20	9	0
14NR1A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	25	3
14NR1A0318	RT41035	MEMS	16	27	3
14NR1A0318	RT41039	AUTOMATION IN MANUFACTURING	17	11	0
14NR1A0318	RT4103L	SIMULATION LAB	17	40	2
14NR1A0318	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0319	RT41031	AUTOMOBILE ENGINEERING	26	34	3
14NR1A0319	RT41032	CAD CAM	21	53	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0319	RT41033	FINITE ELEMENT METHODS	21	35	3
14NR1A0319	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	42	3
14NR1A0319	RT41035	MEMS	21	29	3
14NR1A0319	RT41039	AUTOMATION IN MANUFACTURING	21	36	3
14NR1A0319	RT4103L	SIMULATION LAB	17	40	2
14NR1A0319	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0321	RT41031	AUTOMOBILE ENGINEERING	22	18	0
14NR1A0321	RT41032	CAD CAM	14	38	3
14NR1A0321	RT41033	FINITE ELEMENT METHODS	20	0	0
14NR1A0321	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	24	3
14NR1A0321	RT41035	MEMS	22	24	3
14NR1A0321	RT41039	AUTOMATION IN MANUFACTURING	22	26	3
14NR1A0321	RT4103L	SIMULATION LAB	15	35	2
14NR1A0321	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
14NR1A0323	RT41031	AUTOMOBILE ENGINEERING	22	38	3
14NR1A0323	RT41032	CAD CAM	19	37	3
14NR1A0323	RT41033	FINITE ELEMENT METHODS	21	31	3
14NR1A0323	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	41	3
14NR1A0323	RT41035	MEMS	19	29	3
14NR1A0323	RT41039	AUTOMATION IN MANUFACTURING	26	33	3
14NR1A0323	RT4103L	SIMULATION LAB	19	42	2
14NR1A0323	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0325	RT41031	AUTOMOBILE ENGINEERING	24	39	3
14NR1A0325	RT41032	CAD CAM	24	28	3
14NR1A0325	RT41033	FINITE ELEMENT METHODS	19	9	0
14NR1A0325	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	24	3
14NR1A0325	RT41035	MEMS	20	34	3
14NR1A0325	RT41039	AUTOMATION IN MANUFACTURING	24	14	0
14NR1A0325	RT4103L	SIMULATION LAB	18	41	2
14NR1A0325	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
14NR1A0326	RT41031	AUTOMOBILE ENGINEERING	5	-1	0
14NR1A0326	RT41032	CAD CAM	5	-1	0
14NR1A0326	RT41033	FINITE ELEMENT METHODS	4	-1	0
14NR1A0326	RT41034	UNCONVENTIONAL MACHINING PROCESSES	4	-1	0
14NR1A0326	RT41035	MEMS	5	-1	0
14NR1A0326	RT41039	AUTOMATION IN MANUFACTURING	5	-1	0
14NR1A0326	RT4103L	SIMULATION LAB	10	-1	0
14NR1A0326	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
14NR1A0327	RT41031	AUTOMOBILE ENGINEERING	22	13	0
14NR1A0327	RT41032	CAD CAM	17	25	3
14NR1A0327	RT41033	FINITE ELEMENT METHODS	18	5	0
14NR1A0327	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	24	3
14NR1A0327	RT41035	MEMS	19	15	0
14NR1A0327	RT41039	AUTOMATION IN MANUFACTURING	17	26	3
14NR1A0327	RT4103L	SIMULATION LAB	20	44	2
14NR1A0327	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
14NR1A0328	RT41031	AUTOMOBILE ENGINEERING	9	27	0
14NR1A0328	RT41032	CAD CAM	10	15	0
14NR1A0328	RT41033	FINITE ELEMENT METHODS	14	2	0
14NR1A0328	RT41034	UNCONVENTIONAL MACHINING PROCESSES	11	17	0

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0328	RT41035	MEMS	6	0	0
14NR1A0328	RT41039	AUTOMATION IN MANUFACTURING	8	14	0
14NR1A0328	RT4103L	SIMULATION LAB	10	35	2
14NR1A0328	RT4103M	DESIGN FABRICATION PROJECT	-1	0	0
14NR1A0329	RT41031	AUTOMOBILE ENGINEERING	17	30	3
14NR1A0329	RT41032	CAD CAM	16	12	0
14NR1A0329	RT41033	FINITE ELEMENT METHODS	16	12	0
14NR1A0329	RT41034	UNCONVENTIONAL MACHINING PROCESSES	14	28	3
14NR1A0329	RT41035	MEMS	18	5	0
14NR1A0329	RT41039	AUTOMATION IN MANUFACTURING	18	10	0
14NR1A0329	RT4103L	SIMULATION LAB	19	41	2
14NR1A0329	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0330	RT41031	AUTOMOBILE ENGINEERING	22	18	0
14NR1A0330	RT41032	CAD CAM	18	48	3
14NR1A0330	RT41033	FINITE ELEMENT METHODS	20	28	3
14NR1A0330	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	35	3
14NR1A0330	RT41035	MEMS	22	24	3
14NR1A0330	RT41039	AUTOMATION IN MANUFACTURING	22	27	3
14NR1A0330	RT4103L	SIMULATION LAB	19	42	2
14NR1A0330	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
14NR1A0331	RT41031	AUTOMOBILE ENGINEERING	23	24	3
14NR1A0331	RT41032	CAD CAM	18	46	3
14NR1A0331	RT41033	FINITE ELEMENT METHODS	17	6	0
14NR1A0331	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	28	3
14NR1A0331	RT41035	MEMS	20	24	3
14NR1A0331	RT41039	AUTOMATION IN MANUFACTURING	25	40	3
14NR1A0331	RT4103L	SIMULATION LAB	17	37	2
14NR1A0331	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0333	RT41031	AUTOMOBILE ENGINEERING	24	49	3
14NR1A0333	RT41032	CAD CAM	21	42	3
14NR1A0333	RT41033	FINITE ELEMENT METHODS	20	35	3
14NR1A0333	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	37	3
14NR1A0333	RT41035	MEMS	20	30	3
14NR1A0333	RT41039	AUTOMATION IN MANUFACTURING	22	41	3
14NR1A0333	RT4103L	SIMULATION LAB	19	40	2
14NR1A0333	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
14NR1A0334	RT41031	AUTOMOBILE ENGINEERING	23	36	3
14NR1A0334	RT41032	CAD CAM	23	11	0
14NR1A0334	RT41033	FINITE ELEMENT METHODS	19	12	0
14NR1A0334	RT41034	UNCONVENTIONAL MACHINING PROCESSES	26	31	3
14NR1A0334	RT41035	MEMS	23	27	3
14NR1A0334	RT41039	AUTOMATION IN MANUFACTURING	22	29	3
14NR1A0334	RT4103L	SIMULATION LAB	18	41	2
14NR1A0334	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0335	RT41031	AUTOMOBILE ENGINEERING	20	27	3
14NR1A0335	RT41032	CAD CAM	16	30	3
14NR1A0335	RT41033	FINITE ELEMENT METHODS	18	36	3
14NR1A0335	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	36	3
14NR1A0335	RT41035	MEMS	18	32	3
14NR1A0335	RT41039	AUTOMATION IN MANUFACTURING	17	38	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0335	RT4103L	SIMULATION LAB	15	37	2
14NR1A0335	RT4103M	DESIGN FABRICATION PROJECT	37	0	1
14NR1A0336	RT41031	AUTOMOBILE ENGINEERING	24	32	3
14NR1A0336	RT41032	CAD CAM	23	56	3
14NR1A0336	RT41033	FINITE ELEMENT METHODS	20	24	3
14NR1A0336	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	42	3
14NR1A0336	RT41035	MEMS	24	17	0
14NR1A0336	RT41039	AUTOMATION IN MANUFACTURING	27	40	3
14NR1A0336	RT4103L	SIMULATION LAB	20	44	2
14NR1A0336	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0337	RT41031	AUTOMOBILE ENGINEERING	23	42	3
14NR1A0337	RT41032	CAD CAM	23	40	3
14NR1A0337	RT41033	FINITE ELEMENT METHODS	20	34	3
14NR1A0337	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	40	3
14NR1A0337	RT41035	MEMS	19	39	3
14NR1A0337	RT41039	AUTOMATION IN MANUFACTURING	26	39	3
14NR1A0337	RT4103L	SIMULATION LAB	19	42	2
14NR1A0337	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0338	RT41031	AUTOMOBILE ENGINEERING	23	19	0
14NR1A0338	RT41032	CAD CAM	19	5	0
14NR1A0338	RT41033	FINITE ELEMENT METHODS	21	5	0
14NR1A0338	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	18	0
14NR1A0338	RT41035	MEMS	19	27	3
14NR1A0338	RT41039	AUTOMATION IN MANUFACTURING	25	2	0
14NR1A0338	RT4103L	SIMULATION LAB	19	40	2
14NR1A0338	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
14NR1A0339	RT41031	AUTOMOBILE ENGINEERING	24	38	3
14NR1A0339	RT41032	CAD CAM	21	56	3
14NR1A0339	RT41033	FINITE ELEMENT METHODS	23	34	3
14NR1A0339	RT41034	UNCONVENTIONAL MACHINING PROCESSES	22	36	3
14NR1A0339	RT41035	MEMS	23	55	3
14NR1A0339	RT41039	AUTOMATION IN MANUFACTURING	23	39	3
14NR1A0339	RT4103L	SIMULATION LAB	23	49	2
14NR1A0339	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0341	RT41031	AUTOMOBILE ENGINEERING	21	24	3
14NR1A0341	RT41032	CAD CAM	19	30	3
14NR1A0341	RT41033	FINITE ELEMENT METHODS	15	13	0
14NR1A0341	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	25	3
14NR1A0341	RT41035	MEMS	20	17	0
14NR1A0341	RT41039	AUTOMATION IN MANUFACTURING	17	31	3
14NR1A0341	RT4103L	SIMULATION LAB	19	42	2
14NR1A0341	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
14NR1A0342	RT41031	AUTOMOBILE ENGINEERING	7	28	0
14NR1A0342	RT41032	CAD CAM	10	27	0
14NR1A0342	RT41033	FINITE ELEMENT METHODS	14	16	0
14NR1A0342	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	19	0
14NR1A0342	RT41035	MEMS	17	12	0
14NR1A0342	RT41039	AUTOMATION IN MANUFACTURING	21	4	0
14NR1A0342	RT4103L	SIMULATION LAB	15	35	2
14NR1A0342	RT4103M	DESIGN FABRICATION PROJECT	35	0	1

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0343	RT41031	AUTOMOBILE ENGINEERING	20	-1	0
14NR1A0343	RT41032	CAD CAM	16	-1	0
14NR1A0343	RT41033	FINITE ELEMENT METHODS	16	-1	0
14NR1A0343	RT41034	UNCONVENTIONAL MACHINING PROCESSES	14	-1	0
14NR1A0343	RT41035	MEMS	15	-1	0
14NR1A0343	RT41039	AUTOMATION IN MANUFACTURING	16	-1	0
14NR1A0343	RT4103L	SIMULATION LAB	10	-1	0
14NR1A0343	RT4103M	DESIGN FABRICATION PROJECT	-1	0	0
14NR1A0344	RT41031	AUTOMOBILE ENGINEERING	23	24	3
14NR1A0344	RT41032	CAD CAM	19	10	0
14NR1A0344	RT41033	FINITE ELEMENT METHODS	19	19	0
14NR1A0344	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	0	0
14NR1A0344	RT41035	MEMS	20	27	3
14NR1A0344	RT41039	AUTOMATION IN MANUFACTURING	24	37	3
14NR1A0344	RT4103L	SIMULATION LAB	17	39	2
14NR1A0344	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0345	RT41031	AUTOMOBILE ENGINEERING	25	36	3
14NR1A0345	RT41032	CAD CAM	22	50	3
14NR1A0345	RT41033	FINITE ELEMENT METHODS	24	28	3
14NR1A0345	RT41034	UNCONVENTIONAL MACHINING PROCESSES	23	33	3
14NR1A0345	RT41035	MEMS	22	24	3
14NR1A0345	RT41039	AUTOMATION IN MANUFACTURING	24	50	3
14NR1A0345	RT4103L	SIMULATION LAB	23	48	2
14NR1A0345	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0347	RT41031	AUTOMOBILE ENGINEERING	12	20	0
14NR1A0347	RT41032	CAD CAM	25	26	3
14NR1A0347	RT41033	FINITE ELEMENT METHODS	17	24	3
14NR1A0347	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	37	3
14NR1A0347	RT41035	MEMS	21	24	3
14NR1A0347	RT41039	AUTOMATION IN MANUFACTURING	21	4	0
14NR1A0347	RT4103L	SIMULATION LAB	18	40	2
14NR1A0347	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
14NR1A0348	RT41031	AUTOMOBILE ENGINEERING	24	33	3
14NR1A0348	RT41032	CAD CAM	20	26	3
14NR1A0348	RT41033	FINITE ELEMENT METHODS	22	33	3
14NR1A0348	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	41	3
14NR1A0348	RT41035	MEMS	21	37	3
14NR1A0348	RT41039	AUTOMATION IN MANUFACTURING	21	16	0
14NR1A0348	RT4103L	SIMULATION LAB	23	48	2
14NR1A0348	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0349	RT41031	AUTOMOBILE ENGINEERING	22	26	3
14NR1A0349	RT41032	CAD CAM	22	37	3
14NR1A0349	RT41033	FINITE ELEMENT METHODS	21	36	3
14NR1A0349	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	43	3
14NR1A0349	RT41035	MEMS	20	41	3
14NR1A0349	RT41039	AUTOMATION IN MANUFACTURING	21	38	3
14NR1A0349	RT4103L	SIMULATION LAB	23	48	2
14NR1A0349	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0350	RT41031	AUTOMOBILE ENGINEERING	18	14	0
14NR1A0350	RT41032	CAD CAM	17	37	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0350	RT41033	FINITE ELEMENT METHODS	20	15	0
14NR1A0350	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	30	3
14NR1A0350	RT41035	MEMS	17	24	3
14NR1A0350	RT41039	AUTOMATION IN MANUFACTURING	21	24	3
14NR1A0350	RT4103L	SIMULATION LAB	17	39	2
14NR1A0350	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
14NR1A0351	RT41031	AUTOMOBILE ENGINEERING	23	31	3
14NR1A0351	RT41032	CAD CAM	19	28	3
14NR1A0351	RT41033	FINITE ELEMENT METHODS	17	14	0
14NR1A0351	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	40	3
14NR1A0351	RT41035	MEMS	20	30	3
14NR1A0351	RT41039	AUTOMATION IN MANUFACTURING	17	57	3
14NR1A0351	RT4103L	SIMULATION LAB	18	42	2
14NR1A0351	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0353	RT41031	AUTOMOBILE ENGINEERING	19	24	3
14NR1A0353	RT41032	CAD CAM	7	9	0
14NR1A0353	RT41033	FINITE ELEMENT METHODS	16	3	0
14NR1A0353	RT41034	UNCONVENTIONAL MACHINING PROCESSES	15	25	3
14NR1A0353	RT41035	MEMS	17	24	3
14NR1A0353	RT41039	AUTOMATION IN MANUFACTURING	19	8	0
14NR1A0353	RT4103L	SIMULATION LAB	15	36	2
14NR1A0353	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
14NR1A0354	RT41031	AUTOMOBILE ENGINEERING	23	24	3
14NR1A0354	RT41032	CAD CAM	24	36	3
14NR1A0354	RT41033	FINITE ELEMENT METHODS	23	26	3
14NR1A0354	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	36	3
14NR1A0354	RT41035	MEMS	17	36	3
14NR1A0354	RT41039	AUTOMATION IN MANUFACTURING	21	30	3
14NR1A0354	RT4103L	SIMULATION LAB	21	45	2
14NR1A0354	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0355	RT41031	AUTOMOBILE ENGINEERING	24	31	3
14NR1A0355	RT41032	CAD CAM	23	49	3
14NR1A0355	RT41033	FINITE ELEMENT METHODS	22	33	3
14NR1A0355	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	40	3
14NR1A0355	RT41035	MEMS	21	29	3
14NR1A0355	RT41039	AUTOMATION IN MANUFACTURING	23	48	3
14NR1A0355	RT4103L	SIMULATION LAB	21	46	2
14NR1A0355	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0356	RT41031	AUTOMOBILE ENGINEERING	20	24	3
14NR1A0356	RT41032	CAD CAM	16	34	3
14NR1A0356	RT41033	FINITE ELEMENT METHODS	16	17	0
14NR1A0356	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	25	3
14NR1A0356	RT41035	MEMS	16	24	3
14NR1A0356	RT41039	AUTOMATION IN MANUFACTURING	17	31	3
14NR1A0356	RT4103L	SIMULATION LAB	16	36	2
14NR1A0356	RT4103M	DESIGN FABRICATION PROJECT	40	0	1
14NR1A0357	RT41031	AUTOMOBILE ENGINEERING	22	30	3
14NR1A0357	RT41032	CAD CAM	22	29	3
14NR1A0357	RT41033	FINITE ELEMENT METHODS	20	53	3
14NR1A0357	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	40	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0357	RT41035	MEMS	20	37	3
14NR1A0357	RT41039	AUTOMATION IN MANUFACTURING	19	29	3
14NR1A0357	RT4103L	SIMULATION LAB	17	40	2
14NR1A0357	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0360	RT41031	AUTOMOBILE ENGINEERING	25	33	3
14NR1A0360	RT41032	CAD CAM	22	37	3
14NR1A0360	RT41033	FINITE ELEMENT METHODS	19	38	3
14NR1A0360	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	39	3
14NR1A0360	RT41035	MEMS	22	39	3
14NR1A0360	RT41039	AUTOMATION IN MANUFACTURING	24	38	3
14NR1A0360	RT4103L	SIMULATION LAB	20	46	2
14NR1A0360	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0362	RT41031	AUTOMOBILE ENGINEERING	17	32	3
14NR1A0362	RT41032	CAD CAM	15	43	3
14NR1A0362	RT41033	FINITE ELEMENT METHODS	13	27	3
14NR1A0362	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	35	3
14NR1A0362	RT41035	MEMS	23	35	3
14NR1A0362	RT41039	AUTOMATION IN MANUFACTURING	19	37	3
14NR1A0362	RT4103L	SIMULATION LAB	20	44	2
14NR1A0362	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0363	RT41031	AUTOMOBILE ENGINEERING	20	31	3
14NR1A0363	RT41032	CAD CAM	17	35	3
14NR1A0363	RT41033	FINITE ELEMENT METHODS	25	17	0
14NR1A0363	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	38	3
14NR1A0363	RT41035	MEMS	18	40	3
14NR1A0363	RT41039	AUTOMATION IN MANUFACTURING	22	66	3
14NR1A0363	RT4103L	SIMULATION LAB	18	41	2
14NR1A0363	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
14NR1A0364	RT41031	AUTOMOBILE ENGINEERING	18	25	3
14NR1A0364	RT41032	CAD CAM	14	12	0
14NR1A0364	RT41033	FINITE ELEMENT METHODS	12	8	0
14NR1A0364	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	33	3
14NR1A0364	RT41035	MEMS	14	33	3
14NR1A0364	RT41039	AUTOMATION IN MANUFACTURING	18	5	0
14NR1A0364	RT4103L	SIMULATION LAB	18	40	2
14NR1A0364	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0365	RT41031	AUTOMOBILE ENGINEERING	14	14	0
14NR1A0365	RT41032	CAD CAM	11	4	0
14NR1A0365	RT41033	FINITE ELEMENT METHODS	10	12	0
14NR1A0365	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	29	3
14NR1A0365	RT41035	MEMS	15	6	0
14NR1A0365	RT41039	AUTOMATION IN MANUFACTURING	11	30	3
14NR1A0365	RT4103L	SIMULATION LAB	15	37	2
14NR1A0365	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
14NR1A0366	RT41031	AUTOMOBILE ENGINEERING	14	27	3
14NR1A0366	RT41032	CAD CAM	15	30	3
14NR1A0366	RT41033	FINITE ELEMENT METHODS	16	25	3
14NR1A0366	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	26	3
14NR1A0366	RT41035	MEMS	15	16	0
14NR1A0366	RT41039	AUTOMATION IN MANUFACTURING	19	45	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0366	RT4103L	SIMULATION LAB	17	39	2
14NR1A0366	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0367	RT41031	AUTOMOBILE ENGINEERING	22	37	3
14NR1A0367	RT41032	CAD CAM	19	38	3
14NR1A0367	RT41033	FINITE ELEMENT METHODS	23	24	3
14NR1A0367	RT41034	UNCONVENTIONAL MACHINING PROCESSES	24	47	3
14NR1A0367	RT41035	MEMS	19	50	3
14NR1A0367	RT41039	AUTOMATION IN MANUFACTURING	20	66	3
14NR1A0367	RT4103L	SIMULATION LAB	20	42	2
14NR1A0367	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0368	RT41031	AUTOMOBILE ENGINEERING	16	24	3
14NR1A0368	RT41032	CAD CAM	13	14	0
14NR1A0368	RT41033	FINITE ELEMENT METHODS	11	29	3
14NR1A0368	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	43	3
14NR1A0368	RT41035	MEMS	17	31	3
14NR1A0368	RT41039	AUTOMATION IN MANUFACTURING	16	19	0
14NR1A0368	RT4103L	SIMULATION LAB	19	43	2
14NR1A0368	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0369	RT41031	AUTOMOBILE ENGINEERING	16	2	0
14NR1A0369	RT41032	CAD CAM	7	16	0
14NR1A0369	RT41033	FINITE ELEMENT METHODS	10	4	0
14NR1A0369	RT41034	UNCONVENTIONAL MACHINING PROCESSES	13	27	3
14NR1A0369	RT41035	MEMS	15	27	3
14NR1A0369	RT41039	AUTOMATION IN MANUFACTURING	12	38	3
14NR1A0369	RT4103L	SIMULATION LAB	18	42	2
14NR1A0369	RT4103M	DESIGN FABRICATION PROJECT	37	0	1
14NR1A0370	RT41031	AUTOMOBILE ENGINEERING	17	28	3
14NR1A0370	RT41032	CAD CAM	7	13	0
14NR1A0370	RT41033	FINITE ELEMENT METHODS	14	7	0
14NR1A0370	RT41034	UNCONVENTIONAL MACHINING PROCESSES	13	17	0
14NR1A0370	RT41035	MEMS	16	14	0
14NR1A0370	RT41039	AUTOMATION IN MANUFACTURING	16	33	3
14NR1A0370	RT4103L	SIMULATION LAB	15	35	2
14NR1A0370	RT4103M	DESIGN FABRICATION PROJECT	36	0	1
14NR1A0371	RT41031	AUTOMOBILE ENGINEERING	12	24	0
14NR1A0371	RT41032	CAD CAM	7	28	0
14NR1A0371	RT41033	FINITE ELEMENT METHODS	14	0	0
14NR1A0371	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	19	0
14NR1A0371	RT41035	MEMS	12	15	0
14NR1A0371	RT41039	AUTOMATION IN MANUFACTURING	12	30	3
14NR1A0371	RT4103L	SIMULATION LAB	17	41	2
14NR1A0371	RT4103M	DESIGN FABRICATION PROJECT	35	0	1
14NR1A0373	RT41031	AUTOMOBILE ENGINEERING	19	25	3
14NR1A0373	RT41032	CAD CAM	14	2	0
14NR1A0373	RT41033	FINITE ELEMENT METHODS	21	40	3
14NR1A0373	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	32	3
14NR1A0373	RT41035	MEMS	17	38	3
14NR1A0373	RT41039	AUTOMATION IN MANUFACTURING	15	14	0
14NR1A0373	RT4103L	SIMULATION LAB	18	40	2
14NR1A0373	RT4103M	DESIGN FABRICATION PROJECT	43	0	1

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0374	RT41031	AUTOMOBILE ENGINEERING	20	33	3
14NR1A0374	RT41032	CAD CAM	23	37	3
14NR1A0374	RT41033	FINITE ELEMENT METHODS	22	42	3
14NR1A0374	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	42	3
14NR1A0374	RT41035	MEMS	23	44	3
14NR1A0374	RT41039	AUTOMATION IN MANUFACTURING	22	40	3
14NR1A0374	RT4103L	SIMULATION LAB	23	49	2
14NR1A0374	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0375	RT41031	AUTOMOBILE ENGINEERING	13	40	3
14NR1A0375	RT41032	CAD CAM	11	41	3
14NR1A0375	RT41033	FINITE ELEMENT METHODS	10	14	0
14NR1A0375	RT41034	UNCONVENTIONAL MACHINING PROCESSES	12	35	3
14NR1A0375	RT41035	MEMS	10	30	3
14NR1A0375	RT41039	AUTOMATION IN MANUFACTURING	15	40	3
14NR1A0375	RT4103L	SIMULATION LAB	15	35	2
14NR1A0375	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0376	RT41031	AUTOMOBILE ENGINEERING	19	53	3
14NR1A0376	RT41032	CAD CAM	14	33	3
14NR1A0376	RT41033	FINITE ELEMENT METHODS	13	31	3
14NR1A0376	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	40	3
14NR1A0376	RT41035	MEMS	20	33	3
14NR1A0376	RT41039	AUTOMATION IN MANUFACTURING	17	44	3
14NR1A0376	RT4103L	SIMULATION LAB	22	45	2
14NR1A0376	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
14NR1A0377	RT41031	AUTOMOBILE ENGINEERING	5	35	3
14NR1A0377	RT41032	CAD CAM	19	16	0
14NR1A0377	RT41033	FINITE ELEMENT METHODS	16	41	3
14NR1A0377	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	31	3
14NR1A0377	RT41035	MEMS	15	42	3
14NR1A0377	RT41039	AUTOMATION IN MANUFACTURING	21	34	3
14NR1A0377	RT4103L	SIMULATION LAB	17	38	2
14NR1A0377	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
14NR1A0378	RT41031	AUTOMOBILE ENGINEERING	16	30	3
14NR1A0378	RT41032	CAD CAM	19	41	3
14NR1A0378	RT41033	FINITE ELEMENT METHODS	15	31	3
14NR1A0378	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	34	3
14NR1A0378	RT41035	MEMS	16	47	3
14NR1A0378	RT41039	AUTOMATION IN MANUFACTURING	22	37	3
14NR1A0378	RT4103L	SIMULATION LAB	17	41	2
14NR1A0378	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
14NR1A0379	RT41031	AUTOMOBILE ENGINEERING	16	37	3
14NR1A0379	RT41032	CAD CAM	17	63	3
14NR1A0379	RT41033	FINITE ELEMENT METHODS	21	39	3
14NR1A0379	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	31	3
14NR1A0379	RT41035	MEMS	18	16	0
14NR1A0379	RT41039	AUTOMATION IN MANUFACTURING	19	44	3
14NR1A0379	RT4103L	SIMULATION LAB	20	44	2
14NR1A0379	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
14NR1A0380	RT41031	AUTOMOBILE ENGINEERING	12	28	3
14NR1A0380	RT41032	CAD CAM	16	29	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0380	RT41033	FINITE ELEMENT METHODS	13	8	0
14NR1A0380	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	36	3
14NR1A0380	RT41035	MEMS	17	24	3
14NR1A0380	RT41039	AUTOMATION IN MANUFACTURING	14	32	3
14NR1A0380	RT4103L	SIMULATION LAB	19	40	2
14NR1A0380	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
14NR1A0401	RT41041	VLSI DESIGN	4	31	0
14NR1A0401	RT41042	COMPUTER NETWORKS	4	14	0
14NR1A0401	RT41043	DIGITAL IMAGE PROCESSING	4	0	0
14NR1A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	4	7	0
14NR1A0401	RT41048	RADAR SYSTEMS	4	11	0
14NR1A0401	RT4104A	OPTICAL COMMUNICATION	4	4	0
14NR1A0401	RT4104L	V L S I LAB	0	-1	0
14NR1A0401	RT4104M	MICROWAVE ENGINEERING LAB	10	-1	0
14NR1A0403	RT41041	VLSI DESIGN	29	40	3
14NR1A0403	RT41042	COMPUTER NETWORKS	25	40	3
14NR1A0403	RT41043	DIGITAL IMAGE PROCESSING	26	41	3
14NR1A0403	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	44	3
14NR1A0403	RT41048	RADAR SYSTEMS	26	29	3
14NR1A0403	RT4104A	OPTICAL COMMUNICATION	24	36	3
14NR1A0403	RT4104L	V L S I LAB	24	45	2
14NR1A0403	RT4104M	MICROWAVE ENGINEERING LAB	24	44	2
14NR1A0404	RT41041	VLSI DESIGN	23	40	3
14NR1A0404	RT41042	COMPUTER NETWORKS	25	24	3
14NR1A0404	RT41043	DIGITAL IMAGE PROCESSING	23	9	0
14NR1A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	29	3
14NR1A0404	RT41048	RADAR SYSTEMS	24	45	3
14NR1A0404	RT4104A	OPTICAL COMMUNICATION	21	16	0
14NR1A0404	RT4104L	V L S I LAB	25	41	2
14NR1A0404	RT4104M	MICROWAVE ENGINEERING LAB	20	34	2
14NR1A0405	RT41041	VLSI DESIGN	20	24	3
14NR1A0405	RT41042	COMPUTER NETWORKS	22	30	3
14NR1A0405	RT41043	DIGITAL IMAGE PROCESSING	19	40	3
14NR1A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	32	3
14NR1A0405	RT41048	RADAR SYSTEMS	21	31	3
14NR1A0405	RT4104A	OPTICAL COMMUNICATION	19	12	0
14NR1A0405	RT4104L	V L S I LAB	22	43	2
14NR1A0405	RT4104M	MICROWAVE ENGINEERING LAB	21	44	2
14NR1A0406	RT41041	VLSI DESIGN	22	41	3
14NR1A0406	RT41042	COMPUTER NETWORKS	27	37	3
14NR1A0406	RT41043	DIGITAL IMAGE PROCESSING	19	11	0
14NR1A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	4	0
14NR1A0406	RT41048	RADAR SYSTEMS	22	29	3
14NR1A0406	RT4104A	OPTICAL COMMUNICATION	21	29	3
14NR1A0406	RT4104L	V L S I LAB	22	40	2
14NR1A0406	RT4104M	MICROWAVE ENGINEERING LAB	21	38	2
14NR1A0407	RT41041	VLSI DESIGN	27	47	3
14NR1A0407	RT41042	COMPUTER NETWORKS	29	54	3
14NR1A0407	RT41043	DIGITAL IMAGE PROCESSING	27	53	3
14NR1A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	51	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0407	RT41048	RADAR SYSTEMS	26	36	3
14NR1A0407	RT4104A	OPTICAL COMMUNICATION	24	58	3
14NR1A0407	RT4104L	V L S I LAB	25	50	2
14NR1A0407	RT4104M	MICROWAVE ENGINEERING LAB	25	49	2
14NR1A0408	RT41041	VLSI DESIGN	23	24	3
14NR1A0408	RT41042	COMPUTER NETWORKS	27	24	3
14NR1A0408	RT41043	DIGITAL IMAGE PROCESSING	22	24	3
14NR1A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	15	0
14NR1A0408	RT41048	RADAR SYSTEMS	20	36	3
14NR1A0408	RT4104A	OPTICAL COMMUNICATION	21	0	0
14NR1A0408	RT4104L	V L S I LAB	15	40	2
14NR1A0408	RT4104M	MICROWAVE ENGINEERING LAB	19	30	2
14NR1A0409	RT41041	VLSI DESIGN	24	17	0
14NR1A0409	RT41042	COMPUTER NETWORKS	23	16	0
14NR1A0409	RT41043	DIGITAL IMAGE PROCESSING	23	35	3
14NR1A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	37	3
14NR1A0409	RT41048	RADAR SYSTEMS	20	32	3
14NR1A0409	RT4104A	OPTICAL COMMUNICATION	19	0	0
14NR1A0409	RT4104L	V L S I LAB	23	45	2
14NR1A0409	RT4104M	MICROWAVE ENGINEERING LAB	24	41	2
14NR1A0410	RT41041	VLSI DESIGN	22	32	3
14NR1A0410	RT41042	COMPUTER NETWORKS	25	24	3
14NR1A0410	RT41043	DIGITAL IMAGE PROCESSING	20	14	0
14NR1A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	4	0
14NR1A0410	RT41048	RADAR SYSTEMS	16	24	3
14NR1A0410	RT4104A	OPTICAL COMMUNICATION	19	2	0
14NR1A0410	RT4104L	V L S I LAB	22	41	2
14NR1A0410	RT4104M	MICROWAVE ENGINEERING LAB	20	39	2
14NR1A0412	RT41041	VLSI DESIGN	22	31	3
14NR1A0412	RT41042	COMPUTER NETWORKS	25	34	3
14NR1A0412	RT41043	DIGITAL IMAGE PROCESSING	25	34	3
14NR1A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	34	3
14NR1A0412	RT41048	RADAR SYSTEMS	22	29	3
14NR1A0412	RT4104A	OPTICAL COMMUNICATION	18	35	3
14NR1A0412	RT4104L	V L S I LAB	24	49	2
14NR1A0412	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
14NR1A0413	RT41041	VLSI DESIGN	23	24	3
14NR1A0413	RT41042	COMPUTER NETWORKS	27	29	3
14NR1A0413	RT41043	DIGITAL IMAGE PROCESSING	19	12	0
14NR1A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	24	3
14NR1A0413	RT41048	RADAR SYSTEMS	20	32	3
14NR1A0413	RT4104A	OPTICAL COMMUNICATION	20	16	0
14NR1A0413	RT4104L	V L S I LAB	22	42	2
14NR1A0413	RT4104M	MICROWAVE ENGINEERING LAB	20	34	2
14NR1A0414	RT41041	VLSI DESIGN	27	59	3
14NR1A0414	RT41042	COMPUTER NETWORKS	27	40	3
14NR1A0414	RT41043	DIGITAL IMAGE PROCESSING	25	36	3
14NR1A0414	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	27	53	3
14NR1A0414	RT41048	RADAR SYSTEMS	26	58	3
14NR1A0414	RT4104A	OPTICAL COMMUNICATION	24	49	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0414	RT4104L	V L S I LAB	25	46	2
14NR1A0414	RT4104M	MICROWAVE ENGINEERING LAB	20	35	2
14NR1A0415	RT41041	VLSI DESIGN	22	46	3
14NR1A0415	RT41042	COMPUTER NETWORKS	16	50	3
14NR1A0415	RT41043	DIGITAL IMAGE PROCESSING	23	32	3
14NR1A0415	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	9	0
14NR1A0415	RT41048	RADAR SYSTEMS	19	27	3
14NR1A0415	RT4104A	OPTICAL COMMUNICATION	18	7	0
14NR1A0415	RT4104L	V L S I LAB	22	44	2
14NR1A0415	RT4104M	MICROWAVE ENGINEERING LAB	23	44	2
14NR1A0416	RT41041	VLSI DESIGN	23	29	3
14NR1A0416	RT41042	COMPUTER NETWORKS	24	15	0
14NR1A0416	RT41043	DIGITAL IMAGE PROCESSING	22	25	3
14NR1A0416	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	33	3
14NR1A0416	RT41048	RADAR SYSTEMS	20	24	3
14NR1A0416	RT4104A	OPTICAL COMMUNICATION	23	25	3
14NR1A0416	RT4104L	V L S I LAB	22	42	2
14NR1A0416	RT4104M	MICROWAVE ENGINEERING LAB	20	33	2
14NR1A0417	RT41041	VLSI DESIGN	21	40	3
14NR1A0417	RT41042	COMPUTER NETWORKS	24	33	3
14NR1A0417	RT41043	DIGITAL IMAGE PROCESSING	27	32	3
14NR1A0417	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	24	3
14NR1A0417	RT41048	RADAR SYSTEMS	22	41	3
14NR1A0417	RT4104A	OPTICAL COMMUNICATION	25	30	3
14NR1A0417	RT4104L	V L S I LAB	22	43	2
14NR1A0417	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
14NR1A0418	RT41041	VLSI DESIGN	20	-1	0
14NR1A0418	RT41042	COMPUTER NETWORKS	13	-1	0
14NR1A0418	RT41043	DIGITAL IMAGE PROCESSING	15	-1	0
14NR1A0418	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	-1	0
14NR1A0418	RT41048	RADAR SYSTEMS	5	-1	0
14NR1A0418	RT4104A	OPTICAL COMMUNICATION	11	-1	0
14NR1A0418	RT4104L	V L S I LAB	15	-1	0
14NR1A0418	RT4104M	MICROWAVE ENGINEERING LAB	19	-1	0
14NR1A0419	RT41041	VLSI DESIGN	24	34	3
14NR1A0419	RT41042	COMPUTER NETWORKS	28	30	3
14NR1A0419	RT41043	DIGITAL IMAGE PROCESSING	25	32	3
14NR1A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	31	3
14NR1A0419	RT41048	RADAR SYSTEMS	26	27	3
14NR1A0419	RT4104A	OPTICAL COMMUNICATION	23	37	3
14NR1A0419	RT4104L	V L S I LAB	23	48	2
14NR1A0419	RT4104M	MICROWAVE ENGINEERING LAB	24	45	2
14NR1A0420	RT41041	VLSI DESIGN	20	38	3
14NR1A0420	RT41042	COMPUTER NETWORKS	25	19	0
14NR1A0420	RT41043	DIGITAL IMAGE PROCESSING	22	24	3
14NR1A0420	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	32	3
14NR1A0420	RT41048	RADAR SYSTEMS	16	6	0
14NR1A0420	RT4104A	OPTICAL COMMUNICATION	21	10	0
14NR1A0420	RT4104L	V L S I LAB	20	43	2
14NR1A0420	RT4104M	MICROWAVE ENGINEERING LAB	20	35	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0421	RT41041	VLSI DESIGN	23	32	3
14NR1A0421	RT41042	COMPUTER NETWORKS	26	36	3
14NR1A0421	RT41043	DIGITAL IMAGE PROCESSING	24	24	3
14NR1A0421	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	11	0
14NR1A0421	RT41048	RADAR SYSTEMS	21	39	3
14NR1A0421	RT4104A	OPTICAL COMMUNICATION	22	16	0
14NR1A0421	RT4104L	V L S I LAB	22	46	2
14NR1A0421	RT4104M	MICROWAVE ENGINEERING LAB	22	37	2
14NR1A0422	RT41041	VLSI DESIGN	24	28	3
14NR1A0422	RT41042	COMPUTER NETWORKS	26	39	3
14NR1A0422	RT41043	DIGITAL IMAGE PROCESSING	29	36	3
14NR1A0422	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	53	3
14NR1A0422	RT41048	RADAR SYSTEMS	23	36	3
14NR1A0422	RT4104A	OPTICAL COMMUNICATION	22	39	3
14NR1A0422	RT4104L	V L S I LAB	22	48	2
14NR1A0422	RT4104M	MICROWAVE ENGINEERING LAB	23	36	2
14NR1A0423	RT41041	VLSI DESIGN	21	34	3
14NR1A0423	RT41042	COMPUTER NETWORKS	26	27	3
14NR1A0423	RT41043	DIGITAL IMAGE PROCESSING	21	31	3
14NR1A0423	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	24	3
14NR1A0423	RT41048	RADAR SYSTEMS	22	29	3
14NR1A0423	RT4104A	OPTICAL COMMUNICATION	22	34	3
14NR1A0423	RT4104L	V L S I LAB	24	45	2
14NR1A0423	RT4104M	MICROWAVE ENGINEERING LAB	21	38	2
14NR1A0424	RT41041	VLSI DESIGN	21	24	3
14NR1A0424	RT41042	COMPUTER NETWORKS	26	27	3
14NR1A0424	RT41043	DIGITAL IMAGE PROCESSING	21	24	3
14NR1A0424	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	36	3
14NR1A0424	RT41048	RADAR SYSTEMS	20	24	3
14NR1A0424	RT4104A	OPTICAL COMMUNICATION	19	27	3
14NR1A0424	RT4104L	V L S I LAB	22	43	2
14NR1A0424	RT4104M	MICROWAVE ENGINEERING LAB	19	38	2
14NR1A0426	RT41041	VLSI DESIGN	23	4	0
14NR1A0426	RT41042	COMPUTER NETWORKS	20	14	0
14NR1A0426	RT41043	DIGITAL IMAGE PROCESSING	13	2	0
14NR1A0426	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	18	13	0
14NR1A0426	RT41048	RADAR SYSTEMS	21	0	0
14NR1A0426	RT4104A	OPTICAL COMMUNICATION	18	0	0
14NR1A0426	RT4104L	V L S I LAB	15	-1	0
14NR1A0426	RT4104M	MICROWAVE ENGINEERING LAB	10	-1	0
14NR1A0427	RT41041	VLSI DESIGN	24	24	3
14NR1A0427	RT41042	COMPUTER NETWORKS	26	31	3
14NR1A0427	RT41043	DIGITAL IMAGE PROCESSING	17	30	3
14NR1A0427	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	27	3
14NR1A0427	RT41048	RADAR SYSTEMS	23	32	3
14NR1A0427	RT4104A	OPTICAL COMMUNICATION	22	8	0
14NR1A0427	RT4104L	V L S I LAB	22	43	2
14NR1A0427	RT4104M	MICROWAVE ENGINEERING LAB	21	37	2
14NR1A0428	RT41041	VLSI DESIGN	25	32	3
14NR1A0428	RT41042	COMPUTER NETWORKS	16	24	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0428	RT41043	DIGITAL IMAGE PROCESSING	23	16	0
14NR1A0428	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	2	0
14NR1A0428	RT41048	RADAR SYSTEMS	22	24	3
14NR1A0428	RT4104A	OPTICAL COMMUNICATION	21	25	3
14NR1A0428	RT4104L	V L S I LAB	15	40	2
14NR1A0428	RT4104M	MICROWAVE ENGINEERING LAB	20	40	2
14NR1A0430	RT41041	VLSI DESIGN	27	29	3
14NR1A0430	RT41042	COMPUTER NETWORKS	29	42	3
14NR1A0430	RT41043	DIGITAL IMAGE PROCESSING	25	33	3
14NR1A0430	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	24	3
14NR1A0430	RT41048	RADAR SYSTEMS	26	26	3
14NR1A0430	RT4104A	OPTICAL COMMUNICATION	26	10	0
14NR1A0430	RT4104L	V L S I LAB	25	48	2
14NR1A0430	RT4104M	MICROWAVE ENGINEERING LAB	25	47	2
14NR1A0432	RT41041	VLSI DESIGN	25	35	3
14NR1A0432	RT41042	COMPUTER NETWORKS	27	34	3
14NR1A0432	RT41043	DIGITAL IMAGE PROCESSING	30	40	3
14NR1A0432	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	15	0
14NR1A0432	RT41048	RADAR SYSTEMS	26	48	3
14NR1A0432	RT4104A	OPTICAL COMMUNICATION	21	24	3
14NR1A0432	RT4104L	V L S I LAB	24	48	2
14NR1A0432	RT4104M	MICROWAVE ENGINEERING LAB	23	39	2
14NR1A0433	RT41041	VLSI DESIGN	4	-1	0
14NR1A0433	RT41042	COMPUTER NETWORKS	4	-1	0
14NR1A0433	RT41043	DIGITAL IMAGE PROCESSING	4	-1	0
14NR1A0433	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	4	-1	0
14NR1A0433	RT41048	RADAR SYSTEMS	4	-1	0
14NR1A0433	RT4104A	OPTICAL COMMUNICATION	4	-1	0
14NR1A0433	RT4104L	V L S I LAB	0	-1	0
14NR1A0433	RT4104M	MICROWAVE ENGINEERING LAB	10	-1	0
14NR1A0434	RT41041	VLSI DESIGN	23	34	3
14NR1A0434	RT41042	COMPUTER NETWORKS	24	27	3
14NR1A0434	RT41043	DIGITAL IMAGE PROCESSING	20	7	0
14NR1A0434	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	3	0
14NR1A0434	RT41048	RADAR SYSTEMS	22	16	0
14NR1A0434	RT4104A	OPTICAL COMMUNICATION	21	7	0
14NR1A0434	RT4104L	V L S I LAB	22	41	2
14NR1A0434	RT4104M	MICROWAVE ENGINEERING LAB	19	41	2
14NR1A0435	RT41041	VLSI DESIGN	23	38	3
14NR1A0435	RT41042	COMPUTER NETWORKS	25	41	3
14NR1A0435	RT41043	DIGITAL IMAGE PROCESSING	23	34	3
14NR1A0435	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	20	33	3
14NR1A0435	RT41048	RADAR SYSTEMS	23	29	3
14NR1A0435	RT4104A	OPTICAL COMMUNICATION	24	44	3
14NR1A0435	RT4104L	V L S I LAB	22	45	2
14NR1A0435	RT4104M	MICROWAVE ENGINEERING LAB	22	38	2
14NR1A0436	RT41041	VLSI DESIGN	22	28	3
14NR1A0436	RT41042	COMPUTER NETWORKS	25	24	3
14NR1A0436	RT41043	DIGITAL IMAGE PROCESSING	22	24	3
14NR1A0436	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	19	18	0

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0436	RT41048	RADAR SYSTEMS	22	18	0
14NR1A0436	RT4104A	OPTICAL COMMUNICATION	23	18	0
14NR1A0436	RT4104L	V L S I LAB	25	46	2
14NR1A0436	RT4104M	MICROWAVE ENGINEERING LAB	24	43	2
14NR1A0437	RT41041	VLSI DESIGN	25	24	3
14NR1A0437	RT41042	COMPUTER NETWORKS	23	36	3
14NR1A0437	RT41043	DIGITAL IMAGE PROCESSING	20	37	3
14NR1A0437	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	29	3
14NR1A0437	RT41048	RADAR SYSTEMS	24	31	3
14NR1A0437	RT4104A	OPTICAL COMMUNICATION	21	26	3
14NR1A0437	RT4104L	V L S I LAB	20	41	2
14NR1A0437	RT4104M	MICROWAVE ENGINEERING LAB	19	37	2
14NR1A0438	RT41041	VLSI DESIGN	25	49	3
14NR1A0438	RT41042	COMPUTER NETWORKS	26	46	3
14NR1A0438	RT41043	DIGITAL IMAGE PROCESSING	24	17	0
14NR1A0438	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	11	0
14NR1A0438	RT41048	RADAR SYSTEMS	23	24	3
14NR1A0438	RT4104A	OPTICAL COMMUNICATION	22	31	3
14NR1A0438	RT4104L	V L S I LAB	25	49	2
14NR1A0438	RT4104M	MICROWAVE ENGINEERING LAB	24	47	2
14NR1A0440	RT41041	VLSI DESIGN	29	38	3
14NR1A0440	RT41042	COMPUTER NETWORKS	29	29	3
14NR1A0440	RT41043	DIGITAL IMAGE PROCESSING	27	39	3
14NR1A0440	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	42	3
14NR1A0440	RT41048	RADAR SYSTEMS	27	35	3
14NR1A0440	RT4104A	OPTICAL COMMUNICATION	26	51	3
14NR1A0440	RT4104L	V L S I LAB	24	47	2
14NR1A0440	RT4104M	MICROWAVE ENGINEERING LAB	25	45	2
14NR1A0441	RT41041	VLSI DESIGN	28	24	3
14NR1A0441	RT41042	COMPUTER NETWORKS	25	32	3
14NR1A0441	RT41043	DIGITAL IMAGE PROCESSING	25	24	3
14NR1A0441	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	36	3
14NR1A0441	RT41048	RADAR SYSTEMS	25	39	3
14NR1A0441	RT4104A	OPTICAL COMMUNICATION	22	24	3
14NR1A0441	RT4104L	V L S I LAB	24	48	2
14NR1A0441	RT4104M	MICROWAVE ENGINEERING LAB	21	38	2
14NR1A0442	RT41041	VLSI DESIGN	25	48	3
14NR1A0442	RT41042	COMPUTER NETWORKS	27	49	3
14NR1A0442	RT41043	DIGITAL IMAGE PROCESSING	23	36	3
14NR1A0442	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	55	3
14NR1A0442	RT41048	RADAR SYSTEMS	23	46	3
14NR1A0442	RT4104A	OPTICAL COMMUNICATION	22	40	3
14NR1A0442	RT4104L	V L S I LAB	23	49	2
14NR1A0442	RT4104M	MICROWAVE ENGINEERING LAB	23	42	2
14NR1A0444	RT41041	VLSI DESIGN	22	32	3
14NR1A0444	RT41042	COMPUTER NETWORKS	25	30	3
14NR1A0444	RT41043	DIGITAL IMAGE PROCESSING	20	13	0
14NR1A0444	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	6	0
14NR1A0444	RT41048	RADAR SYSTEMS	23	14	0
14NR1A0444	RT4104A	OPTICAL COMMUNICATION	21	9	0

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0444	RT4104L	V L S I LAB	23	42	2
14NR1A0444	RT4104M	MICROWAVE ENGINEERING LAB	21	40	2
14NR1A0445	RT41041	VLSI DESIGN	23	25	3
14NR1A0445	RT41042	COMPUTER NETWORKS	22	28	3
14NR1A0445	RT41043	DIGITAL IMAGE PROCESSING	22	24	3
14NR1A0445	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	31	3
14NR1A0445	RT41048	RADAR SYSTEMS	23	6	0
14NR1A0445	RT4104A	OPTICAL COMMUNICATION	21	33	3
14NR1A0445	RT4104L	V L S I LAB	25	43	2
14NR1A0445	RT4104M	MICROWAVE ENGINEERING LAB	20	38	2
14NR1A0446	RT41041	VLSI DESIGN	27	43	3
14NR1A0446	RT41042	COMPUTER NETWORKS	27	46	3
14NR1A0446	RT41043	DIGITAL IMAGE PROCESSING	28	30	3
14NR1A0446	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	33	3
14NR1A0446	RT41048	RADAR SYSTEMS	28	45	3
14NR1A0446	RT4104A	OPTICAL COMMUNICATION	25	33	3
14NR1A0446	RT4104L	V L S I LAB	22	48	2
14NR1A0446	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
14NR1A0447	RT41041	VLSI DESIGN	27	44	3
14NR1A0447	RT41042	COMPUTER NETWORKS	27	44	3
14NR1A0447	RT41043	DIGITAL IMAGE PROCESSING	27	33	3
14NR1A0447	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	62	3
14NR1A0447	RT41048	RADAR SYSTEMS	25	56	3
14NR1A0447	RT4104A	OPTICAL COMMUNICATION	24	51	3
14NR1A0447	RT4104L	V L S I LAB	25	50	2
14NR1A0447	RT4104M	MICROWAVE ENGINEERING LAB	25	46	2
14NR1A0448	RT41041	VLSI DESIGN	27	40	3
14NR1A0448	RT41042	COMPUTER NETWORKS	26	30	3
14NR1A0448	RT41043	DIGITAL IMAGE PROCESSING	24	32	3
14NR1A0448	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	31	3
14NR1A0448	RT41048	RADAR SYSTEMS	23	28	3
14NR1A0448	RT4104A	OPTICAL COMMUNICATION	21	16	0
14NR1A0448	RT4104L	V L S I LAB	25	48	2
14NR1A0448	RT4104M	MICROWAVE ENGINEERING LAB	24	39	2
14NR1A0449	RT41041	VLSI DESIGN	24	27	3
14NR1A0449	RT41042	COMPUTER NETWORKS	24	40	3
14NR1A0449	RT41043	DIGITAL IMAGE PROCESSING	22	34	3
14NR1A0449	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	22	32	3
14NR1A0449	RT41048	RADAR SYSTEMS	23	34	3
14NR1A0449	RT4104A	OPTICAL COMMUNICATION	24	37	3
14NR1A0449	RT4104L	V L S I LAB	22	45	2
14NR1A0449	RT4104M	MICROWAVE ENGINEERING LAB	24	46	2
14NR1A0450	RT41041	VLSI DESIGN	28	35	3
14NR1A0450	RT41042	COMPUTER NETWORKS	25	33	3
14NR1A0450	RT41043	DIGITAL IMAGE PROCESSING	26	42	3
14NR1A0450	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	29	3
14NR1A0450	RT41048	RADAR SYSTEMS	26	40	3
14NR1A0450	RT4104A	OPTICAL COMMUNICATION	25	30	3
14NR1A0450	RT4104L	V L S I LAB	25	50	2
14NR1A0450	RT4104M	MICROWAVE ENGINEERING LAB	25	48	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0451	RT41041	VLSI DESIGN	27	24	3
14NR1A0451	RT41042	COMPUTER NETWORKS	27	38	3
14NR1A0451	RT41043	DIGITAL IMAGE PROCESSING	27	35	3
14NR1A0451	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	50	3
14NR1A0451	RT41048	RADAR SYSTEMS	24	47	3
14NR1A0451	RT4104A	OPTICAL COMMUNICATION	23	44	3
14NR1A0451	RT4104L	V L S I LAB	25	48	2
14NR1A0451	RT4104M	MICROWAVE ENGINEERING LAB	25	49	2
14NR1A0501	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	34	3
14NR1A0501	RT41052	UML AND DESIGN PATTERNS	25	30	3
14NR1A0501	RT41053	MOBILE COMPUTING	28	29	3
14NR1A0501	RT41054	SOFTWARE TESTING METHODOLOGIES	23	36	3
14NR1A0501	RT4105B	HADOOP AND BIG DATA	26	48	3
14NR1A0501	RT4105L	UML AND DESIGN PATTERNS LAB	22	47	2
14NR1A0501	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
14NR1A0501	RT4105N	SOFTWARE TESTING LAB	22	47	2
14NR1A0501	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	34	3
14NR1A0502	RT41052	UML AND DESIGN PATTERNS	27	50	3
14NR1A0502	RT41053	MOBILE COMPUTING	30	44	3
14NR1A0502	RT41054	SOFTWARE TESTING METHODOLOGIES	24	34	3
14NR1A0502	RT4105B	HADOOP AND BIG DATA	27	59	3
14NR1A0502	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
14NR1A0502	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	50	2
14NR1A0502	RT4105N	SOFTWARE TESTING LAB	24	49	2
14NR1A0502	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
14NR1A0505	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	37	3
14NR1A0505	RT41052	UML AND DESIGN PATTERNS	28	63	3
14NR1A0505	RT41053	MOBILE COMPUTING	28	41	3
14NR1A0505	RT41054	SOFTWARE TESTING METHODOLOGIES	23	49	3
14NR1A0505	RT4105B	HADOOP AND BIG DATA	27	39	3
14NR1A0505	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
14NR1A0505	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14NR1A0505	RT4105N	SOFTWARE TESTING LAB	24	49	2
14NR1A0505	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
14NR1A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	13	0
14NR1A0506	RT41052	UML AND DESIGN PATTERNS	24	15	0
14NR1A0506	RT41053	MOBILE COMPUTING	16	23	0
14NR1A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	16	3	0
14NR1A0506	RT4105B	HADOOP AND BIG DATA	16	13	0
14NR1A0506	RT4105L	UML AND DESIGN PATTERNS LAB	20	40	2
14NR1A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	18	40	2
14NR1A0506	RT4105N	SOFTWARE TESTING LAB	20	43	2
14NR1A0506	RT4105O	HADOOP AND BIGDATA LAB	20	40	2
14NR1A0507	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	12	0
14NR1A0507	RT41052	UML AND DESIGN PATTERNS	23	27	3
14NR1A0507	RT41053	MOBILE COMPUTING	20	34	3
14NR1A0507	RT41054	SOFTWARE TESTING METHODOLOGIES	21	31	3
14NR1A0507	RT4105B	HADOOP AND BIG DATA	21	31	3
14NR1A0507	RT4105L	UML AND DESIGN PATTERNS LAB	22	46	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0507	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	48	2
14NR1A0507	RT4105N	SOFTWARE TESTING LAB	23	48	2
14NR1A0507	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14NR1A0509	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	6	0
14NR1A0509	RT41052	UML AND DESIGN PATTERNS	18	17	0
14NR1A0509	RT41053	MOBILE COMPUTING	15	11	0
14NR1A0509	RT41054	SOFTWARE TESTING METHODOLOGIES	16	29	3
14NR1A0509	RT4105B	HADOOP AND BIG DATA	18	9	0
14NR1A0509	RT4105L	UML AND DESIGN PATTERNS LAB	19	38	2
14NR1A0509	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	18	40	2
14NR1A0509	RT4105N	SOFTWARE TESTING LAB	20	43	2
14NR1A0509	RT4105O	HADOOP AND BIGDATA LAB	20	38	2
14NR1A0511	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	29	3
14NR1A0511	RT41052	UML AND DESIGN PATTERNS	27	47	3
14NR1A0511	RT41053	MOBILE COMPUTING	26	30	3
14NR1A0511	RT41054	SOFTWARE TESTING METHODOLOGIES	25	47	3
14NR1A0511	RT4105B	HADOOP AND BIG DATA	26	38	3
14NR1A0511	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14NR1A0511	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14NR1A0511	RT4105N	SOFTWARE TESTING LAB	24	48	2
14NR1A0511	RT4105O	HADOOP AND BIGDATA LAB	23	48	2
14NR1A0512	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	18	9	0
14NR1A0512	RT41052	UML AND DESIGN PATTERNS	21	26	3
14NR1A0512	RT41053	MOBILE COMPUTING	21	24	3
14NR1A0512	RT41054	SOFTWARE TESTING METHODOLOGIES	18	20	0
14NR1A0512	RT4105B	HADOOP AND BIG DATA	19	9	0
14NR1A0512	RT4105L	UML AND DESIGN PATTERNS LAB	19	38	2
14NR1A0512	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
14NR1A0512	RT4105N	SOFTWARE TESTING LAB	20	43	2
14NR1A0512	RT4105O	HADOOP AND BIGDATA LAB	17	38	2
14NR1A0513	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	32	3
14NR1A0513	RT41052	UML AND DESIGN PATTERNS	28	37	3
14NR1A0513	RT41053	MOBILE COMPUTING	30	45	3
14NR1A0513	RT41054	SOFTWARE TESTING METHODOLOGIES	23	52	3
14NR1A0513	RT4105B	HADOOP AND BIG DATA	27	58	3
14NR1A0513	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
14NR1A0513	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	50	2
14NR1A0513	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0513	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14NR1A0515	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	25	3
14NR1A0515	RT41052	UML AND DESIGN PATTERNS	24	28	3
14NR1A0515	RT41053	MOBILE COMPUTING	24	33	3
14NR1A0515	RT41054	SOFTWARE TESTING METHODOLOGIES	21	33	3
14NR1A0515	RT4105B	HADOOP AND BIG DATA	25	24	3
14NR1A0515	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
14NR1A0515	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	40	2
14NR1A0515	RT4105N	SOFTWARE TESTING LAB	22	46	2
14NR1A0515	RT4105O	HADOOP AND BIGDATA LAB	22	43	2
14NR1A0516	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	26	3
14NR1A0516	RT41052	UML AND DESIGN PATTERNS	29	49	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0516	RT41053	MOBILE COMPUTING	22	32	3
14NR1A0516	RT41054	SOFTWARE TESTING METHODOLOGIES	27	44	3
14NR1A0516	RT4105B	HADOOP AND BIG DATA	27	29	3
14NR1A0516	RT4105L	UML AND DESIGN PATTERNS LAB	25	48	2
14NR1A0516	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14NR1A0516	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0516	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
14NR1A0517	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	37	3
14NR1A0517	RT41052	UML AND DESIGN PATTERNS	27	37	3
14NR1A0517	RT41053	MOBILE COMPUTING	26	40	3
14NR1A0517	RT41054	SOFTWARE TESTING METHODOLOGIES	21	38	3
14NR1A0517	RT4105B	HADOOP AND BIG DATA	29	35	3
14NR1A0517	RT4105L	UML AND DESIGN PATTERNS LAB	22	44	2
14NR1A0517	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
14NR1A0517	RT4105N	SOFTWARE TESTING LAB	24	49	2
14NR1A0517	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0518	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	18	0
14NR1A0518	RT41052	UML AND DESIGN PATTERNS	20	27	3
14NR1A0518	RT41053	MOBILE COMPUTING	17	31	3
14NR1A0518	RT41054	SOFTWARE TESTING METHODOLOGIES	16	31	3
14NR1A0518	RT4105B	HADOOP AND BIG DATA	18	32	3
14NR1A0518	RT4105L	UML AND DESIGN PATTERNS LAB	20	41	2
14NR1A0518	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
14NR1A0518	RT4105N	SOFTWARE TESTING LAB	20	43	2
14NR1A0518	RT4105O	HADOOP AND BIGDATA LAB	18	40	2
14NR1A0519	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	26	3
14NR1A0519	RT41052	UML AND DESIGN PATTERNS	26	45	3
14NR1A0519	RT41053	MOBILE COMPUTING	25	38	3
14NR1A0519	RT41054	SOFTWARE TESTING METHODOLOGIES	25	33	3
14NR1A0519	RT4105B	HADOOP AND BIG DATA	28	38	3
14NR1A0519	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14NR1A0519	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14NR1A0519	RT4105N	SOFTWARE TESTING LAB	24	49	2
14NR1A0519	RT4105O	HADOOP AND BIGDATA LAB	25	48	2
14NR1A0521	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	35	3
14NR1A0521	RT41052	UML AND DESIGN PATTERNS	27	46	3
14NR1A0521	RT41053	MOBILE COMPUTING	24	44	3
14NR1A0521	RT41054	SOFTWARE TESTING METHODOLOGIES	26	50	3
14NR1A0521	RT4105B	HADOOP AND BIG DATA	28	35	3
14NR1A0521	RT4105L	UML AND DESIGN PATTERNS LAB	25	48	2
14NR1A0521	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14NR1A0521	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0521	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14NR1A0522	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	40	3
14NR1A0522	RT41052	UML AND DESIGN PATTERNS	26	42	3
14NR1A0522	RT41053	MOBILE COMPUTING	28	42	3
14NR1A0522	RT41054	SOFTWARE TESTING METHODOLOGIES	20	40	3
14NR1A0522	RT4105B	HADOOP AND BIG DATA	23	38	3
14NR1A0522	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14NR1A0522	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0522	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0522	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14NR1A0523	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	35	3
14NR1A0523	RT41052	UML AND DESIGN PATTERNS	25	31	3
14NR1A0523	RT41053	MOBILE COMPUTING	23	36	3
14NR1A0523	RT41054	SOFTWARE TESTING METHODOLOGIES	27	30	3
14NR1A0523	RT4105B	HADOOP AND BIG DATA	23	31	3
14NR1A0523	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14NR1A0523	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14NR1A0523	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0523	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
14NR1A0526	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	25	3
14NR1A0526	RT41052	UML AND DESIGN PATTERNS	24	29	3
14NR1A0526	RT41053	MOBILE COMPUTING	24	31	3
14NR1A0526	RT41054	SOFTWARE TESTING METHODOLOGIES	23	33	3
14NR1A0526	RT4105B	HADOOP AND BIG DATA	24	24	3
14NR1A0526	RT4105L	UML AND DESIGN PATTERNS LAB	23	44	2
14NR1A0526	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
14NR1A0526	RT4105N	SOFTWARE TESTING LAB	23	48	2
14NR1A0526	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0527	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	25	3
14NR1A0527	RT41052	UML AND DESIGN PATTERNS	25	40	3
14NR1A0527	RT41053	MOBILE COMPUTING	23	37	3
14NR1A0527	RT41054	SOFTWARE TESTING METHODOLOGIES	22	50	3
14NR1A0527	RT4105B	HADOOP AND BIG DATA	23	37	3
14NR1A0527	RT4105L	UML AND DESIGN PATTERNS LAB	23	45	2
14NR1A0527	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14NR1A0527	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0527	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14NR1A0528	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	30	3
14NR1A0528	RT41052	UML AND DESIGN PATTERNS	24	31	3
14NR1A0528	RT41053	MOBILE COMPUTING	23	34	3
14NR1A0528	RT41054	SOFTWARE TESTING METHODOLOGIES	23	32	3
14NR1A0528	RT4105B	HADOOP AND BIG DATA	25	38	3
14NR1A0528	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14NR1A0528	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	47	2
14NR1A0528	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0528	RT4105O	HADOOP AND BIGDATA LAB	24	47	2
14NR1A0529	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	24	3
14NR1A0529	RT41052	UML AND DESIGN PATTERNS	26	32	3
14NR1A0529	RT41053	MOBILE COMPUTING	22	31	3
14NR1A0529	RT41054	SOFTWARE TESTING METHODOLOGIES	23	27	3
14NR1A0529	RT4105B	HADOOP AND BIG DATA	27	28	3
14NR1A0529	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
14NR1A0529	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14NR1A0529	RT4105N	SOFTWARE TESTING LAB	23	48	2
14NR1A0529	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14NR1A0530	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	26	3
14NR1A0530	RT41052	UML AND DESIGN PATTERNS	29	40	3
14NR1A0530	RT41053	MOBILE COMPUTING	26	41	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0530	RT41054	SOFTWARE TESTING METHODOLOGIES	25	33	3
14NR1A0530	RT4105B	HADOOP AND BIG DATA	28	70	3
14NR1A0530	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
14NR1A0530	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	50	2
14NR1A0530	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0530	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14NR1A0531	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	26	26	3
14NR1A0531	RT41052	UML AND DESIGN PATTERNS	24	32	3
14NR1A0531	RT41053	MOBILE COMPUTING	25	32	3
14NR1A0531	RT41054	SOFTWARE TESTING METHODOLOGIES	18	42	3
14NR1A0531	RT4105B	HADOOP AND BIG DATA	23	32	3
14NR1A0531	RT4105L	UML AND DESIGN PATTERNS LAB	20	41	2
14NR1A0531	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	42	2
14NR1A0531	RT4105N	SOFTWARE TESTING LAB	23	45	2
14NR1A0531	RT4105O	HADOOP AND BIGDATA LAB	22	45	2
14NR1A0532	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	49	3
14NR1A0532	RT41052	UML AND DESIGN PATTERNS	24	58	3
14NR1A0532	RT41053	MOBILE COMPUTING	27	42	3
14NR1A0532	RT41054	SOFTWARE TESTING METHODOLOGIES	23	43	3
14NR1A0532	RT4105B	HADOOP AND BIG DATA	27	50	3
14NR1A0532	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
14NR1A0532	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14NR1A0532	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0532	RT4105O	HADOOP AND BIGDATA LAB	24	48	2
14NR1A0533	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	25	3
14NR1A0533	RT41052	UML AND DESIGN PATTERNS	26	33	3
14NR1A0533	RT41053	MOBILE COMPUTING	21	34	3
14NR1A0533	RT41054	SOFTWARE TESTING METHODOLOGIES	20	40	3
14NR1A0533	RT4105B	HADOOP AND BIG DATA	25	13	0
14NR1A0533	RT4105L	UML AND DESIGN PATTERNS LAB	22	47	2
14NR1A0533	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	48	2
14NR1A0533	RT4105N	SOFTWARE TESTING LAB	23	48	2
14NR1A0533	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14NR1A0534	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	20	8	0
14NR1A0534	RT41052	UML AND DESIGN PATTERNS	24	30	3
14NR1A0534	RT41053	MOBILE COMPUTING	20	17	0
14NR1A0534	RT41054	SOFTWARE TESTING METHODOLOGIES	17	29	3
14NR1A0534	RT4105B	HADOOP AND BIG DATA	20	41	3
14NR1A0534	RT4105L	UML AND DESIGN PATTERNS LAB	22	49	2
14NR1A0534	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	20	40	2
14NR1A0534	RT4105N	SOFTWARE TESTING LAB	22	48	2
14NR1A0534	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0535	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	40	3
14NR1A0535	RT41052	UML AND DESIGN PATTERNS	27	61	3
14NR1A0535	RT41053	MOBILE COMPUTING	28	43	3
14NR1A0535	RT41054	SOFTWARE TESTING METHODOLOGIES	23	52	3
14NR1A0535	RT4105B	HADOOP AND BIG DATA	25	41	3
14NR1A0535	RT4105L	UML AND DESIGN PATTERNS LAB	23	49	2
14NR1A0535	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	46	2
14NR1A0535	RT4105N	SOFTWARE TESTING LAB	23	46	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0535	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0536	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	34	3
14NR1A0536	RT41052	UML AND DESIGN PATTERNS	25	28	3
14NR1A0536	RT41053	MOBILE COMPUTING	26	30	3
14NR1A0536	RT41054	SOFTWARE TESTING METHODOLOGIES	18	35	3
14NR1A0536	RT4105B	HADOOP AND BIG DATA	24	33	3
14NR1A0536	RT4105L	UML AND DESIGN PATTERNS LAB	21	46	2
14NR1A0536	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
14NR1A0536	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0536	RT4105O	HADOOP AND BIGDATA LAB	22	42	2
14NR1A0537	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	25	3
14NR1A0537	RT41052	UML AND DESIGN PATTERNS	28	37	3
14NR1A0537	RT41053	MOBILE COMPUTING	20	38	3
14NR1A0537	RT41054	SOFTWARE TESTING METHODOLOGIES	20	39	3
14NR1A0537	RT4105B	HADOOP AND BIG DATA	26	29	3
14NR1A0537	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
14NR1A0537	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14NR1A0537	RT4105N	SOFTWARE TESTING LAB	23	46	2
14NR1A0537	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14NR1A0538	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	26	3
14NR1A0538	RT41052	UML AND DESIGN PATTERNS	22	37	3
14NR1A0538	RT41053	MOBILE COMPUTING	26	35	3
14NR1A0538	RT41054	SOFTWARE TESTING METHODOLOGIES	20	31	3
14NR1A0538	RT4105B	HADOOP AND BIG DATA	27	36	3
14NR1A0538	RT4105L	UML AND DESIGN PATTERNS LAB	22	45	2
14NR1A0538	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
14NR1A0538	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0538	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0539	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	24	3
14NR1A0539	RT41052	UML AND DESIGN PATTERNS	23	45	3
14NR1A0539	RT41053	MOBILE COMPUTING	18	28	3
14NR1A0539	RT41054	SOFTWARE TESTING METHODOLOGIES	21	24	3
14NR1A0539	RT4105B	HADOOP AND BIG DATA	21	24	3
14NR1A0539	RT4105L	UML AND DESIGN PATTERNS LAB	20	40	2
14NR1A0539	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	40	2
14NR1A0539	RT4105N	SOFTWARE TESTING LAB	20	43	2
14NR1A0539	RT4105O	HADOOP AND BIGDATA LAB	20	40	2
14NR1A0540	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	24	44	3
14NR1A0540	RT41052	UML AND DESIGN PATTERNS	28	34	3
14NR1A0540	RT41053	MOBILE COMPUTING	27	42	3
14NR1A0540	RT41054	SOFTWARE TESTING METHODOLOGIES	21	34	3
14NR1A0540	RT4105B	HADOOP AND BIG DATA	26	38	3
14NR1A0540	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14NR1A0540	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14NR1A0540	RT4105N	SOFTWARE TESTING LAB	23	48	2
14NR1A0540	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14NR1A0543	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	24	3
14NR1A0543	RT41052	UML AND DESIGN PATTERNS	25	32	3
14NR1A0543	RT41053	MOBILE COMPUTING	24	37	3
14NR1A0543	RT41054	SOFTWARE TESTING METHODOLOGIES	16	34	3

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0543	RT4105B	HADOOP AND BIG DATA	23	16	0
14NR1A0543	RT4105L	UML AND DESIGN PATTERNS LAB	20	40	2
14NR1A0543	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
14NR1A0543	RT4105N	SOFTWARE TESTING LAB	22	48	2
14NR1A0543	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0545	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	28	3
14NR1A0545	RT41052	UML AND DESIGN PATTERNS	25	52	3
14NR1A0545	RT41053	MOBILE COMPUTING	26	45	3
14NR1A0545	RT41054	SOFTWARE TESTING METHODOLOGIES	20	29	3
14NR1A0545	RT4105B	HADOOP AND BIG DATA	27	56	3
14NR1A0545	RT4105L	UML AND DESIGN PATTERNS LAB	23	49	2
14NR1A0545	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14NR1A0545	RT4105N	SOFTWARE TESTING LAB	22	48	2
14NR1A0545	RT4105O	HADOOP AND BIGDATA LAB	22	46	2
14NR1A0546	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	23	11	0
14NR1A0546	RT41052	UML AND DESIGN PATTERNS	26	41	3
14NR1A0546	RT41053	MOBILE COMPUTING	28	35	3
14NR1A0546	RT41054	SOFTWARE TESTING METHODOLOGIES	24	49	3
14NR1A0546	RT4105B	HADOOP AND BIG DATA	27	32	3
14NR1A0546	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14NR1A0546	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
14NR1A0546	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0546	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
14NR1A0547	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	27	40	3
14NR1A0547	RT41052	UML AND DESIGN PATTERNS	26	37	3
14NR1A0547	RT41053	MOBILE COMPUTING	27	34	3
14NR1A0547	RT41054	SOFTWARE TESTING METHODOLOGIES	22	37	3
14NR1A0547	RT4105B	HADOOP AND BIG DATA	27	40	3
14NR1A0547	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
14NR1A0547	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	46	2
14NR1A0547	RT4105N	SOFTWARE TESTING LAB	23	49	2
14NR1A0547	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0549	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	21	18	0
14NR1A0549	RT41052	UML AND DESIGN PATTERNS	23	30	3
14NR1A0549	RT41053	MOBILE COMPUTING	23	33	3
14NR1A0549	RT41054	SOFTWARE TESTING METHODOLOGIES	20	28	3
14NR1A0549	RT4105B	HADOOP AND BIG DATA	23	24	3
14NR1A0549	RT4105L	UML AND DESIGN PATTERNS LAB	23	48	2
14NR1A0549	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	23	45	2
14NR1A0549	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0549	RT4105O	HADOOP AND BIGDATA LAB	23	46	2
14NR1A0550	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	26	3
14NR1A0550	RT41052	UML AND DESIGN PATTERNS	27	32	3
14NR1A0550	RT41053	MOBILE COMPUTING	26	35	3
14NR1A0550	RT41054	SOFTWARE TESTING METHODOLOGIES	23	36	3
14NR1A0550	RT4105B	HADOOP AND BIG DATA	29	38	3
14NR1A0550	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
14NR1A0550	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
14NR1A0550	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0550	RT4105O	HADOOP AND BIGDATA LAB	23	46	2

Htno	Subcode	Subname	Internal	External	Credits
14NR1A0551	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	28	3
14NR1A0551	RT41052	UML AND DESIGN PATTERNS	25	43	3
14NR1A0551	RT41053	MOBILE COMPUTING	26	27	3
14NR1A0551	RT41054	SOFTWARE TESTING METHODOLOGIES	24	44	3
14NR1A0551	RT4105B	HADOOP AND BIG DATA	24	32	3
14NR1A0551	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
14NR1A0551	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
14NR1A0551	RT4105N	SOFTWARE TESTING LAB	23	47	2
14NR1A0551	RT4105O	HADOOP AND BIGDATA LAB	22	46	2
14NR1A0552	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	28	54	3
14NR1A0552	RT41052	UML AND DESIGN PATTERNS	27	54	3
14NR1A0552	RT41053	MOBILE COMPUTING	30	43	3
14NR1A0552	RT41054	SOFTWARE TESTING METHODOLOGIES	27	45	3
14NR1A0552	RT4105B	HADOOP AND BIG DATA	28	52	3
14NR1A0552	RT4105L	UML AND DESIGN PATTERNS LAB	25	49	2
14NR1A0552	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	25	50	2
14NR1A0552	RT4105N	SOFTWARE TESTING LAB	25	50	2
14NR1A0552	RT4105O	HADOOP AND BIGDATA LAB	25	50	2
14NR1A0553	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	18	0
14NR1A0553	RT41052	UML AND DESIGN PATTERNS	26	31	3
14NR1A0553	RT41053	MOBILE COMPUTING	26	32	3
14NR1A0553	RT41054	SOFTWARE TESTING METHODOLOGIES	24	27	3
14NR1A0553	RT4105B	HADOOP AND BIG DATA	24	29	3
14NR1A0553	RT4105L	UML AND DESIGN PATTERNS LAB	23	47	2
14NR1A0553	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	22	45	2
14NR1A0553	RT4105N	SOFTWARE TESTING LAB	23	46	2
14NR1A0553	RT4105O	HADOOP AND BIGDATA LAB	23	47	2
14NR1A0554	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	12	0
14NR1A0554	RT41052	UML AND DESIGN PATTERNS	25	30	3
14NR1A0554	RT41053	MOBILE COMPUTING	25	16	0
14NR1A0554	RT41054	SOFTWARE TESTING METHODOLOGIES	24	29	3
14NR1A0554	RT4105B	HADOOP AND BIG DATA	26	11	0
14NR1A0554	RT4105L	UML AND DESIGN PATTERNS LAB	22	43	2
14NR1A0554	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	42	2
14NR1A0554	RT4105N	SOFTWARE TESTING LAB	23	48	2
14NR1A0554	RT4105O	HADOOP AND BIGDATA LAB	23	45	2
14NR1A0555	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	17	8	0
14NR1A0555	RT41052	UML AND DESIGN PATTERNS	19	28	3
14NR1A0555	RT41053	MOBILE COMPUTING	19	3	0
14NR1A0555	RT41054	SOFTWARE TESTING METHODOLOGIES	17	30	3
14NR1A0555	RT4105B	HADOOP AND BIG DATA	16	13	0
14NR1A0555	RT4105L	UML AND DESIGN PATTERNS LAB	20	40	2
14NR1A0555	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	21	40	2
14NR1A0555	RT4105N	SOFTWARE TESTING LAB	20	43	2
14NR1A0555	RT4105O	HADOOP AND BIGDATA LAB	20	40	2
14NR5A0125	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	12	40	3
14NR5A0125	RT41014	WATER RESOURCES ENGINEERING - II	15	10	0
14NR5A0125	RT41015	REMOTE SENSING AND GIS APPLICATIONS	17	33	3
14NR5A0125	RT41016	GROUND IMPROVEMENT TECHNIQUES	15	27	3
14NR5A0138	RT41014	WATER RESOURCES ENGINEERING - II	12	0	0

Htno	Subcode	Subname	Internal	External	Credits
14NR5A0138	RT41015	REMOTE SENSING AND GIS APPLICATIONS	17	6	0
14NR5A0138	RT41016	GROUND IMPROVEMENT TECHNIQUES	14	30	3
14NR5A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	15	-1	0
14NR5A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	-1	0
14NR5A0209	RT41025	INSTRUMENTATION	13	47	3
14NR5A0211	RT41023	POWER SYSTEM OPERATION AND CONTROL	17	44	3
14NR5A0211	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	20	27	3
14NR5A0218	RT41022	HVAC AND DC TRANSMISSION	19	34	3
14NR5A0218	RT41023	POWER SYSTEM OPERATION AND CONTROL	16	33	3
14NR5A0218	RT41025	INSTRUMENTATION	14	30	3
14NR5A0219	RT41023	POWER SYSTEM OPERATION AND CONTROL	3	32	0
14NR5A0219	RT41025	INSTRUMENTATION	14	19	0
14NR5A0219	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	11	32	3
14NR5A0306	RT41033	FINITE ELEMENT METHODS	14	-1	0
14NR5A0308	RT41033	FINITE ELEMENT METHODS	14	14	0
14NR5A0310	RT41033	FINITE ELEMENT METHODS	7	7	0
14NR5A0310	RT41034	UNCONVENTIONAL MACHINING PROCESSES	4	24	0
14NR5A0310	RT41035	MEMS	13	28	3
14NR5A0314	RT41031	AUTOMOBILE ENGINEERING	15	28	3
14NR5A0314	RT41032	CAD CAM	14	12	0
14NR5A0314	RT41033	FINITE ELEMENT METHODS	16	6	0
14NR5A0314	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	26	3
14NR5A0314	RT41035	MEMS	15	25	3
14NR5A0314	RT41039	AUTOMATION IN MANUFACTURING	21	31	3
14NR5A0314	RT4103L	SIMULATION LAB	18	40	2
14NR5A0314	RT4103M	DESIGN FABRICATION PROJECT	44	0	1
14NR5A0315	RT41031	AUTOMOBILE ENGINEERING	12	17	0
14NR5A0315	RT41032	CAD CAM	7	2	0
14NR5A0315	RT41033	FINITE ELEMENT METHODS	11	2	0
14NR5A0315	RT41034	UNCONVENTIONAL MACHINING PROCESSES	12	19	0
14NR5A0315	RT41035	MEMS	15	10	0
14NR5A0315	RT41039	AUTOMATION IN MANUFACTURING	15	27	3
14NR5A0315	RT4103L	SIMULATION LAB	18	40	2
14NR5A0315	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
14NR5A0317	RT41033	FINITE ELEMENT METHODS	6	28	0
14NR5A0318	RT41033	FINITE ELEMENT METHODS	8	12	0
14NR5A0319	RT41032	CAD CAM	7	29	0
14NR5A0319	RT41033	FINITE ELEMENT METHODS	9	7	0
14NR5A0321	RT41033	FINITE ELEMENT METHODS	5	37	3
14NR5A0322	RT41033	FINITE ELEMENT METHODS	13	28	3
14NR5A0401	RT41041	VLSI DESIGN	18	40	3
14NR5A0401	RT41042	COMPUTER NETWORKS	21	18	0
14NR5A0401	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	4	0
14NR5A0405	RT41043	DIGITAL IMAGE PROCESSING	19	13	0
14NR5A0412	RT41048	RADAR SYSTEMS	22	8	0
14NR5A0419	RT41043	DIGITAL IMAGE PROCESSING	13	23	0
14NR5A0419	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	34	3
14NR5A0419	RT41048	RADAR SYSTEMS	17	-1	0
14NR5A0419	RT4104A	OPTICAL COMMUNICATION	18	3	0
14NR5A0431	RT41043	DIGITAL IMAGE PROCESSING	18	14	0

Htno	Subcode	Subname	Internal	External	Credits
14NR5A0431	RT4104A	OPTICAL COMMUNICATION	22	28	3
14NR5A0438	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	15	-1	0
14NR5A0438	RT4104A	OPTICAL COMMUNICATION	22	-1	0
14NR5A0440	RT41041	VLSI DESIGN	22	35	3
14NR5A0440	RT41042	COMPUTER NETWORKS	26	44	3
14NR5A0440	RT41043	DIGITAL IMAGE PROCESSING	18	34	3
14NR5A0440	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	49	3
14NR5A0440	RT41048	RADAR SYSTEMS	24	45	3
14NR5A0440	RT4104A	OPTICAL COMMUNICATION	22	45	3
14NR5A0440	RT4104L	V L S I LAB	14	35	2
14NR5A0440	RT4104M	MICROWAVE ENGINEERING LAB	23	37	2
14NR5A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	19	47	3
15NR5A0101	RT41011	ENVIRONMENTAL ENGINEERING- II	27	26	3
15NR5A0101	RT41012	PRESTRESSED CONCRETE	22	27	3
15NR5A0101	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	38	3
15NR5A0101	RT41014	WATER RESOURCES ENGINEERING - II	11	15	0
15NR5A0101	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	24	3
15NR5A0101	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	12	0
15NR5A0101	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
15NR5A0101	RT4101M	GIS AND CAD LAB	19	42	2
15NR5A0102	RT41011	ENVIRONMENTAL ENGINEERING- II	27	37	3
15NR5A0102	RT41012	PRESTRESSED CONCRETE	23	31	3
15NR5A0102	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	33	3
15NR5A0102	RT41014	WATER RESOURCES ENGINEERING - II	8	13	0
15NR5A0102	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	33	3
15NR5A0102	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	11	0
15NR5A0102	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	44	2
15NR5A0102	RT4101M	GIS AND CAD LAB	19	43	2
15NR5A0104	RT41011	ENVIRONMENTAL ENGINEERING- II	25	27	3
15NR5A0104	RT41012	PRESTRESSED CONCRETE	23	40	3
15NR5A0104	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	41	3
15NR5A0104	RT41014	WATER RESOURCES ENGINEERING - II	23	14	0
15NR5A0104	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	59	3
15NR5A0104	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	30	3
15NR5A0104	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	44	2
15NR5A0104	RT4101M	GIS AND CAD LAB	18	42	2
15NR5A0107	RT41011	ENVIRONMENTAL ENGINEERING- II	26	58	3
15NR5A0107	RT41012	PRESTRESSED CONCRETE	27	41	3
15NR5A0107	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	52	3
15NR5A0107	RT41014	WATER RESOURCES ENGINEERING - II	28	48	3
15NR5A0107	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	62	3
15NR5A0107	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	70	3
15NR5A0107	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
15NR5A0107	RT4101M	GIS AND CAD LAB	22	45	2
15NR5A0108	RT41011	ENVIRONMENTAL ENGINEERING- II	26	24	3
15NR5A0108	RT41012	PRESTRESSED CONCRETE	22	29	3
15NR5A0108	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	46	3
15NR5A0108	RT41014	WATER RESOURCES ENGINEERING - II	26	36	3
15NR5A0108	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	38	3
15NR5A0108	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	24	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0108	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
15NR5A0108	RT4101M	GIS AND CAD LAB	21	44	2
15NR5A0109	RT41011	ENVIRONMENTAL ENGINEERING- II	28	37	3
15NR5A0109	RT41012	PRESTRESSED CONCRETE	21	31	3
15NR5A0109	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	23	17	0
15NR5A0109	RT41014	WATER RESOURCES ENGINEERING - II	15	28	3
15NR5A0109	RT41015	REMOTE SENSING AND GIS APPLICATIONS	14	31	3
15NR5A0109	RT41016	GROUND IMPROVEMENT TECHNIQUES	19	12	0
15NR5A0109	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	43	2
15NR5A0109	RT4101M	GIS AND CAD LAB	18	42	2
15NR5A0110	RT41011	ENVIRONMENTAL ENGINEERING- II	26	30	3
15NR5A0110	RT41012	PRESTRESSED CONCRETE	22	44	3
15NR5A0110	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	43	3
15NR5A0110	RT41014	WATER RESOURCES ENGINEERING - II	25	42	3
15NR5A0110	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	37	3
15NR5A0110	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	28	3
15NR5A0110	RT4101L	ENVIRONMENTAL ENGINEERING LAB	19	45	2
15NR5A0110	RT4101M	GIS AND CAD LAB	19	43	2
15NR5A0112	RT41011	ENVIRONMENTAL ENGINEERING- II	27	49	3
15NR5A0112	RT41012	PRESTRESSED CONCRETE	15	31	3
15NR5A0112	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	17	44	3
15NR5A0112	RT41014	WATER RESOURCES ENGINEERING - II	11	42	3
15NR5A0112	RT41015	REMOTE SENSING AND GIS APPLICATIONS	12	16	0
15NR5A0112	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	24	3
15NR5A0112	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	43	2
15NR5A0112	RT4101M	GIS AND CAD LAB	18	25	2
15NR5A0113	RT41011	ENVIRONMENTAL ENGINEERING- II	29	35	3
15NR5A0113	RT41012	PRESTRESSED CONCRETE	26	46	3
15NR5A0113	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	40	3
15NR5A0113	RT41014	WATER RESOURCES ENGINEERING - II	27	41	3
15NR5A0113	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	35	3
15NR5A0113	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	24	3
15NR5A0113	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	46	2
15NR5A0113	RT4101M	GIS AND CAD LAB	20	44	2
15NR5A0114	RT41011	ENVIRONMENTAL ENGINEERING- II	25	41	3
15NR5A0114	RT41012	PRESTRESSED CONCRETE	20	17	0
15NR5A0114	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	12	0
15NR5A0114	RT41014	WATER RESOURCES ENGINEERING - II	15	36	3
15NR5A0114	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	25	3
15NR5A0114	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	15	0
15NR5A0114	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	43	2
15NR5A0114	RT4101M	GIS AND CAD LAB	18	42	2
15NR5A0115	RT41011	ENVIRONMENTAL ENGINEERING- II	28	27	3
15NR5A0115	RT41012	PRESTRESSED CONCRETE	22	42	3
15NR5A0115	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	35	3
15NR5A0115	RT41014	WATER RESOURCES ENGINEERING - II	12	22	0
15NR5A0115	RT41015	REMOTE SENSING AND GIS APPLICATIONS	27	32	3
15NR5A0115	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	24	3
15NR5A0115	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	43	2
15NR5A0115	RT4101M	GIS AND CAD LAB	18	42	2

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0117	RT41011	ENVIRONMENTAL ENGINEERING- II	26	62	3
15NR5A0117	RT41012	PRESTRESSED CONCRETE	21	51	3
15NR5A0117	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	50	3
15NR5A0117	RT41014	WATER RESOURCES ENGINEERING - II	26	48	3
15NR5A0117	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	58	3
15NR5A0117	RT41016	GROUND IMPROVEMENT TECHNIQUES	24	57	3
15NR5A0117	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	44	2
15NR5A0117	RT4101M	GIS AND CAD LAB	18	45	2
15NR5A0118	RT41011	ENVIRONMENTAL ENGINEERING- II	28	49	3
15NR5A0118	RT41012	PRESTRESSED CONCRETE	27	53	3
15NR5A0118	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	44	3
15NR5A0118	RT41014	WATER RESOURCES ENGINEERING - II	25	50	3
15NR5A0118	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	52	3
15NR5A0118	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	47	3
15NR5A0118	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	45	2
15NR5A0118	RT4101M	GIS AND CAD LAB	20	42	2
15NR5A0119	RT41011	ENVIRONMENTAL ENGINEERING- II	26	33	3
15NR5A0119	RT41012	PRESTRESSED CONCRETE	19	2	0
15NR5A0119	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	12	0
15NR5A0119	RT41014	WATER RESOURCES ENGINEERING - II	19	38	3
15NR5A0119	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	26	3
15NR5A0119	RT41016	GROUND IMPROVEMENT TECHNIQUES	18	11	0
15NR5A0119	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	43	2
15NR5A0119	RT4101M	GIS AND CAD LAB	17	18	2
15NR5A0120	RT41011	ENVIRONMENTAL ENGINEERING- II	27	25	3
15NR5A0120	RT41012	PRESTRESSED CONCRETE	20	28	3
15NR5A0120	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	51	3
15NR5A0120	RT41014	WATER RESOURCES ENGINEERING - II	16	36	3
15NR5A0120	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	41	3
15NR5A0120	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	24	3
15NR5A0120	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
15NR5A0120	RT4101M	GIS AND CAD LAB	21	42	2
15NR5A0122	RT41011	ENVIRONMENTAL ENGINEERING- II	27	31	3
15NR5A0122	RT41012	PRESTRESSED CONCRETE	16	16	0
15NR5A0122	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	24	34	3
15NR5A0122	RT41014	WATER RESOURCES ENGINEERING - II	23	17	0
15NR5A0122	RT41015	REMOTE SENSING AND GIS APPLICATIONS	13	45	3
15NR5A0122	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	25	3
15NR5A0122	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	44	2
15NR5A0122	RT4101M	GIS AND CAD LAB	19	42	2
15NR5A0123	RT41011	ENVIRONMENTAL ENGINEERING- II	28	43	3
15NR5A0123	RT41012	PRESTRESSED CONCRETE	27	40	3
15NR5A0123	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	45	3
15NR5A0123	RT41014	WATER RESOURCES ENGINEERING - II	24	51	3
15NR5A0123	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	41	3
15NR5A0123	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	49	3
15NR5A0123	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	46	2
15NR5A0123	RT4101M	GIS AND CAD LAB	21	44	2
15NR5A0124	RT41011	ENVIRONMENTAL ENGINEERING- II	28	46	3
15NR5A0124	RT41012	PRESTRESSED CONCRETE	28	31	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0124	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	36	3
15NR5A0124	RT41014	WATER RESOURCES ENGINEERING - II	28	24	3
15NR5A0124	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	31	3
15NR5A0124	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	50	3
15NR5A0124	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	45	2
15NR5A0124	RT4101M	GIS AND CAD LAB	19	43	2
15NR5A0125	RT41011	ENVIRONMENTAL ENGINEERING- II	25	18	0
15NR5A0125	RT41012	PRESTRESSED CONCRETE	21	24	3
15NR5A0125	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	36	3
15NR5A0125	RT41014	WATER RESOURCES ENGINEERING - II	24	24	3
15NR5A0125	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	33	3
15NR5A0125	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	20	0
15NR5A0125	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	43	2
15NR5A0125	RT4101M	GIS AND CAD LAB	19	38	2
15NR5A0126	RT41011	ENVIRONMENTAL ENGINEERING- II	22	39	3
15NR5A0126	RT41012	PRESTRESSED CONCRETE	23	24	3
15NR5A0126	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	24	3
15NR5A0126	RT41014	WATER RESOURCES ENGINEERING - II	12	19	0
15NR5A0126	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	50	3
15NR5A0126	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	9	0
15NR5A0126	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	44	2
15NR5A0126	RT4101M	GIS AND CAD LAB	19	42	2
15NR5A0127	RT41011	ENVIRONMENTAL ENGINEERING- II	23	31	3
15NR5A0127	RT41012	PRESTRESSED CONCRETE	20	33	3
15NR5A0127	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	27	3
15NR5A0127	RT41014	WATER RESOURCES ENGINEERING - II	22	9	0
15NR5A0127	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	27	3
15NR5A0127	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	45	3
15NR5A0127	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	43	2
15NR5A0127	RT4101M	GIS AND CAD LAB	19	25	2
15NR5A0128	RT41011	ENVIRONMENTAL ENGINEERING- II	28	66	3
15NR5A0128	RT41012	PRESTRESSED CONCRETE	29	57	3
15NR5A0128	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	53	3
15NR5A0128	RT41014	WATER RESOURCES ENGINEERING - II	28	49	3
15NR5A0128	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	39	3
15NR5A0128	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	59	3
15NR5A0128	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	47	2
15NR5A0128	RT4101M	GIS AND CAD LAB	22	45	2
15NR5A0130	RT41011	ENVIRONMENTAL ENGINEERING- II	28	16	0
15NR5A0130	RT41012	PRESTRESSED CONCRETE	17	29	3
15NR5A0130	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	22	28	3
15NR5A0130	RT41014	WATER RESOURCES ENGINEERING - II	23	24	3
15NR5A0130	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	9	0
15NR5A0130	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	17	0
15NR5A0130	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	43	2
15NR5A0130	RT4101M	GIS AND CAD LAB	18	18	2
15NR5A0132	RT41011	ENVIRONMENTAL ENGINEERING- II	18	-1	0
15NR5A0132	RT41012	PRESTRESSED CONCRETE	21	24	3
15NR5A0132	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	17	0
15NR5A0132	RT41014	WATER RESOURCES ENGINEERING - II	15	37	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0132	RT41015	REMOTE SENSING AND GIS APPLICATIONS	11	29	3
15NR5A0132	RT41016	GROUND IMPROVEMENT TECHNIQUES	26	27	3
15NR5A0132	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	44	2
15NR5A0132	RT4101M	GIS AND CAD LAB	19	42	2
15NR5A0133	RT41011	ENVIRONMENTAL ENGINEERING- II	27	44	3
15NR5A0133	RT41012	PRESTRESSED CONCRETE	23	48	3
15NR5A0133	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	25	43	3
15NR5A0133	RT41014	WATER RESOURCES ENGINEERING - II	27	36	3
15NR5A0133	RT41015	REMOTE SENSING AND GIS APPLICATIONS	24	51	3
15NR5A0133	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	52	3
15NR5A0133	RT4101L	ENVIRONMENTAL ENGINEERING LAB	23	47	2
15NR5A0133	RT4101M	GIS AND CAD LAB	23	47	2
15NR5A0134	RT41011	ENVIRONMENTAL ENGINEERING- II	24	42	3
15NR5A0134	RT41012	PRESTRESSED CONCRETE	22	7	0
15NR5A0134	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	13	0
15NR5A0134	RT41014	WATER RESOURCES ENGINEERING - II	15	50	3
15NR5A0134	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	26	3
15NR5A0134	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	12	0
15NR5A0134	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	43	2
15NR5A0134	RT4101M	GIS AND CAD LAB	18	42	2
15NR5A0136	RT41011	ENVIRONMENTAL ENGINEERING- II	27	38	3
15NR5A0136	RT41012	PRESTRESSED CONCRETE	28	38	3
15NR5A0136	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	41	3
15NR5A0136	RT41014	WATER RESOURCES ENGINEERING - II	26	33	3
15NR5A0136	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	35	3
15NR5A0136	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	29	3
15NR5A0136	RT4101L	ENVIRONMENTAL ENGINEERING LAB	22	43	2
15NR5A0136	RT4101M	GIS AND CAD LAB	18	42	2
15NR5A0137	RT41011	ENVIRONMENTAL ENGINEERING- II	27	47	3
15NR5A0137	RT41012	PRESTRESSED CONCRETE	22	34	3
15NR5A0137	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	27	48	3
15NR5A0137	RT41014	WATER RESOURCES ENGINEERING - II	25	36	3
15NR5A0137	RT41015	REMOTE SENSING AND GIS APPLICATIONS	21	49	3
15NR5A0137	RT41016	GROUND IMPROVEMENT TECHNIQUES	20	43	3
15NR5A0137	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	43	2
15NR5A0137	RT4101M	GIS AND CAD LAB	19	41	2
15NR5A0138	RT41011	ENVIRONMENTAL ENGINEERING- II	28	42	3
15NR5A0138	RT41012	PRESTRESSED CONCRETE	26	48	3
15NR5A0138	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	29	39	3
15NR5A0138	RT41014	WATER RESOURCES ENGINEERING - II	25	36	3
15NR5A0138	RT41015	REMOTE SENSING AND GIS APPLICATIONS	26	49	3
15NR5A0138	RT41016	GROUND IMPROVEMENT TECHNIQUES	25	52	3
15NR5A0138	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	47	2
15NR5A0138	RT4101M	GIS AND CAD LAB	22	47	2
15NR5A0139	RT41011	ENVIRONMENTAL ENGINEERING- II	28	40	3
15NR5A0139	RT41012	PRESTRESSED CONCRETE	21	32	3
15NR5A0139	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	40	3
15NR5A0139	RT41014	WATER RESOURCES ENGINEERING - II	26	44	3
15NR5A0139	RT41015	REMOTE SENSING AND GIS APPLICATIONS	23	38	3
15NR5A0139	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	51	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0139	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	46	2
15NR5A0139	RT4101M	GIS AND CAD LAB	21	45	2
15NR5A0143	RT41011	ENVIRONMENTAL ENGINEERING- II	28	30	3
15NR5A0143	RT41012	PRESTRESSED CONCRETE	25	37	3
15NR5A0143	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	26	42	3
15NR5A0143	RT41014	WATER RESOURCES ENGINEERING - II	21	38	3
15NR5A0143	RT41015	REMOTE SENSING AND GIS APPLICATIONS	20	33	3
15NR5A0143	RT41016	GROUND IMPROVEMENT TECHNIQUES	22	28	3
15NR5A0143	RT4101L	ENVIRONMENTAL ENGINEERING LAB	20	45	2
15NR5A0143	RT4101M	GIS AND CAD LAB	20	42	2
15NR5A0144	RT41011	ENVIRONMENTAL ENGINEERING- II	25	54	3
15NR5A0144	RT41012	PRESTRESSED CONCRETE	25	53	3
15NR5A0144	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	28	25	3
15NR5A0144	RT41014	WATER RESOURCES ENGINEERING - II	24	37	3
15NR5A0144	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	47	3
15NR5A0144	RT41016	GROUND IMPROVEMENT TECHNIQUES	23	29	3
15NR5A0144	RT4101L	ENVIRONMENTAL ENGINEERING LAB	25	47	2
15NR5A0144	RT4101M	GIS AND CAD LAB	22	45	2
15NR5A0146	RT41011	ENVIRONMENTAL ENGINEERING- II	26	38	3
15NR5A0146	RT41012	PRESTRESSED CONCRETE	20	36	3
15NR5A0146	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	46	3
15NR5A0146	RT41014	WATER RESOURCES ENGINEERING - II	25	39	3
15NR5A0146	RT41015	REMOTE SENSING AND GIS APPLICATIONS	25	34	3
15NR5A0146	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	49	3
15NR5A0146	RT4101L	ENVIRONMENTAL ENGINEERING LAB	21	46	2
15NR5A0146	RT4101M	GIS AND CAD LAB	20	42	2
15NR5A0148	RT41011	ENVIRONMENTAL ENGINEERING- II	25	35	3
15NR5A0148	RT41012	PRESTRESSED CONCRETE	22	24	3
15NR5A0148	RT41013	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	20	24	3
15NR5A0148	RT41014	WATER RESOURCES ENGINEERING - II	25	24	3
15NR5A0148	RT41015	REMOTE SENSING AND GIS APPLICATIONS	22	25	3
15NR5A0148	RT41016	GROUND IMPROVEMENT TECHNIQUES	21	12	0
15NR5A0148	RT4101L	ENVIRONMENTAL ENGINEERING LAB	24	45	2
15NR5A0148	RT4101M	GIS AND CAD LAB	20	44	2
15NR5A0201	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	57	3
15NR5A0201	RT41022	HVAC AND DC TRANSMISSION	24	43	3
15NR5A0201	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	31	3
15NR5A0201	RT41025	INSTRUMENTATION	23	30	3
15NR5A0201	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	27	37	3
15NR5A0201	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	46	2
15NR5A0201	RT4102M	ELECTRICAL SIMULATION LAB	19	44	2
15NR5A0201	RT4102N	POWER SYSTEMS LAB	20	39	2
15NR5A0202	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	60	3
15NR5A0202	RT41022	HVAC AND DC TRANSMISSION	26	37	3
15NR5A0202	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	39	3
15NR5A0202	RT41025	INSTRUMENTATION	24	69	3
15NR5A0202	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	42	3
15NR5A0202	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	44	2
15NR5A0202	RT4102M	ELECTRICAL SIMULATION LAB	20	45	2
15NR5A0202	RT4102N	POWER SYSTEMS LAB	19	48	2

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0203	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	56	3
15NR5A0203	RT41022	HVAC AND DC TRANSMISSION	19	28	3
15NR5A0203	RT41023	POWER SYSTEM OPERATION AND CONTROL	17	54	3
15NR5A0203	RT41025	INSTRUMENTATION	21	45	3
15NR5A0203	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	34	3
15NR5A0203	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
15NR5A0203	RT4102M	ELECTRICAL SIMULATION LAB	21	43	2
15NR5A0203	RT4102N	POWER SYSTEMS LAB	20	39	2
15NR5A0204	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	25	3
15NR5A0204	RT41022	HVAC AND DC TRANSMISSION	21	34	3
15NR5A0204	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	43	3
15NR5A0204	RT41025	INSTRUMENTATION	19	47	3
15NR5A0204	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	29	3
15NR5A0204	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	45	2
15NR5A0204	RT4102M	ELECTRICAL SIMULATION LAB	22	42	2
15NR5A0204	RT4102N	POWER SYSTEMS LAB	20	40	2
15NR5A0205	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	54	3
15NR5A0205	RT41022	HVAC AND DC TRANSMISSION	18	44	3
15NR5A0205	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	32	3
15NR5A0205	RT41025	INSTRUMENTATION	21	37	3
15NR5A0205	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	32	3
15NR5A0205	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	39	2
15NR5A0205	RT4102M	ELECTRICAL SIMULATION LAB	15	10	0
15NR5A0205	RT4102N	POWER SYSTEMS LAB	19	37	2
15NR5A0206	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	70	3
15NR5A0206	RT41022	HVAC AND DC TRANSMISSION	21	33	3
15NR5A0206	RT41023	POWER SYSTEM OPERATION AND CONTROL	19	40	3
15NR5A0206	RT41025	INSTRUMENTATION	23	70	3
15NR5A0206	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	18	49	3
15NR5A0206	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
15NR5A0206	RT4102M	ELECTRICAL SIMULATION LAB	13	44	2
15NR5A0206	RT4102N	POWER SYSTEMS LAB	19	43	2
15NR5A0207	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	50	3
15NR5A0207	RT41022	HVAC AND DC TRANSMISSION	21	25	3
15NR5A0207	RT41023	POWER SYSTEM OPERATION AND CONTROL	22	54	3
15NR5A0207	RT41025	INSTRUMENTATION	17	35	3
15NR5A0207	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	24	3
15NR5A0207	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	44	2
15NR5A0207	RT4102M	ELECTRICAL SIMULATION LAB	16	40	2
15NR5A0207	RT4102N	POWER SYSTEMS LAB	18	38	2
15NR5A0208	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	57	3
15NR5A0208	RT41022	HVAC AND DC TRANSMISSION	26	49	3
15NR5A0208	RT41023	POWER SYSTEM OPERATION AND CONTROL	26	69	3
15NR5A0208	RT41025	INSTRUMENTATION	25	53	3
15NR5A0208	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	38	3
15NR5A0208	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	49	2
15NR5A0208	RT4102M	ELECTRICAL SIMULATION LAB	25	47	2
15NR5A0208	RT4102N	POWER SYSTEMS LAB	25	48	2
15NR5A0209	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	53	3
15NR5A0209	RT41022	HVAC AND DC TRANSMISSION	20	47	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0209	RT41023	POWER SYSTEM OPERATION AND CONTROL	23	32	3
15NR5A0209	RT41025	INSTRUMENTATION	16	30	3
15NR5A0209	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	31	3
15NR5A0209	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	45	2
15NR5A0209	RT4102M	ELECTRICAL SIMULATION LAB	14	44	2
15NR5A0209	RT4102N	POWER SYSTEMS LAB	19	38	2
15NR5A0210	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	70	3
15NR5A0210	RT41022	HVAC AND DC TRANSMISSION	28	43	3
15NR5A0210	RT41023	POWER SYSTEM OPERATION AND CONTROL	27	56	3
15NR5A0210	RT41025	INSTRUMENTATION	26	70	3
15NR5A0210	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	42	3
15NR5A0210	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	44	2
15NR5A0210	RT4102M	ELECTRICAL SIMULATION LAB	25	45	2
15NR5A0210	RT4102N	POWER SYSTEMS LAB	25	48	2
15NR5A0213	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	26	43	3
15NR5A0213	RT41022	HVAC AND DC TRANSMISSION	22	32	3
15NR5A0213	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	44	3
15NR5A0213	RT41025	INSTRUMENTATION	22	38	3
15NR5A0213	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	25	36	3
15NR5A0213	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
15NR5A0213	RT4102M	ELECTRICAL SIMULATION LAB	19	45	2
15NR5A0213	RT4102N	POWER SYSTEMS LAB	21	44	2
15NR5A0214	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	19	35	3
15NR5A0214	RT41022	HVAC AND DC TRANSMISSION	12	44	3
15NR5A0214	RT41023	POWER SYSTEM OPERATION AND CONTROL	16	38	3
15NR5A0214	RT41025	INSTRUMENTATION	17	45	3
15NR5A0214	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	8	33	3
15NR5A0214	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	44	2
15NR5A0214	RT4102M	ELECTRICAL SIMULATION LAB	13	25	2
15NR5A0214	RT4102N	POWER SYSTEMS LAB	17	28	2
15NR5A0215	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	20	24	3
15NR5A0215	RT41022	HVAC AND DC TRANSMISSION	23	34	3
15NR5A0215	RT41023	POWER SYSTEM OPERATION AND CONTROL	13	13	0
15NR5A0215	RT41025	INSTRUMENTATION	10	30	3
15NR5A0215	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	4	2	0
15NR5A0215	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	19	43	2
15NR5A0215	RT4102M	ELECTRICAL SIMULATION LAB	18	35	2
15NR5A0215	RT4102N	POWER SYSTEMS LAB	17	32	2
15NR5A0216	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	57	3
15NR5A0216	RT41022	HVAC AND DC TRANSMISSION	26	38	3
15NR5A0216	RT41023	POWER SYSTEM OPERATION AND CONTROL	24	33	3
15NR5A0216	RT41025	INSTRUMENTATION	25	64	3
15NR5A0216	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	49	3
15NR5A0216	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	25	48	2
15NR5A0216	RT4102M	ELECTRICAL SIMULATION LAB	23	44	2
15NR5A0216	RT4102N	POWER SYSTEMS LAB	25	44	2
15NR5A0219	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	25	50	3
15NR5A0219	RT41022	HVAC AND DC TRANSMISSION	22	16	0
15NR5A0219	RT41023	POWER SYSTEM OPERATION AND CONTROL	17	52	3
15NR5A0219	RT41025	INSTRUMENTATION	20	24	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0219	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	26	30	3
15NR5A0219	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	42	2
15NR5A0219	RT4102M	ELECTRICAL SIMULATION LAB	18	40	2
15NR5A0219	RT4102N	POWER SYSTEMS LAB	20	40	2
15NR5A0220	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	21	33	3
15NR5A0220	RT41022	HVAC AND DC TRANSMISSION	20	36	3
15NR5A0220	RT41023	POWER SYSTEM OPERATION AND CONTROL	17	28	3
15NR5A0220	RT41025	INSTRUMENTATION	18	37	3
15NR5A0220	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	23	29	3
15NR5A0220	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
15NR5A0220	RT4102M	ELECTRICAL SIMULATION LAB	19	40	2
15NR5A0220	RT4102N	POWER SYSTEMS LAB	19	39	2
15NR5A0226	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	27	35	3
15NR5A0226	RT41022	HVAC AND DC TRANSMISSION	19	38	3
15NR5A0226	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	24	3
15NR5A0226	RT41025	INSTRUMENTATION	19	30	3
15NR5A0226	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	31	3
15NR5A0226	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	41	2
15NR5A0226	RT4102M	ELECTRICAL SIMULATION LAB	20	45	2
15NR5A0226	RT4102N	POWER SYSTEMS LAB	20	40	2
15NR5A0229	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	13	53	3
15NR5A0229	RT41022	HVAC AND DC TRANSMISSION	18	31	3
15NR5A0229	RT41023	POWER SYSTEM OPERATION AND CONTROL	20	34	3
15NR5A0229	RT41025	INSTRUMENTATION	19	57	3
15NR5A0229	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	22	37	3
15NR5A0229	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	40	2
15NR5A0229	RT4102M	ELECTRICAL SIMULATION LAB	13	25	2
15NR5A0229	RT4102N	POWER SYSTEMS LAB	12	25	2
15NR5A0230	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	13	27	3
15NR5A0230	RT41022	HVAC AND DC TRANSMISSION	13	10	0
15NR5A0230	RT41023	POWER SYSTEM OPERATION AND CONTROL	10	44	3
15NR5A0230	RT41025	INSTRUMENTATION	5	35	3
15NR5A0230	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	19	37	3
15NR5A0230	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
15NR5A0230	RT4102M	ELECTRICAL SIMULATION LAB	17	36	2
15NR5A0230	RT4102N	POWER SYSTEMS LAB	19	40	2
15NR5A0231	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	23	38	3
15NR5A0231	RT41022	HVAC AND DC TRANSMISSION	20	49	3
15NR5A0231	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	44	3
15NR5A0231	RT41025	INSTRUMENTATION	21	46	3
15NR5A0231	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	38	3
15NR5A0231	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	47	2
15NR5A0231	RT4102M	ELECTRICAL SIMULATION LAB	12	5	0
15NR5A0231	RT4102N	POWER SYSTEMS LAB	17	26	2
15NR5A0232	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	29	45	3
15NR5A0232	RT41022	HVAC AND DC TRANSMISSION	21	43	3
15NR5A0232	RT41023	POWER SYSTEM OPERATION AND CONTROL	25	35	3
15NR5A0232	RT41025	INSTRUMENTATION	24	47	3
15NR5A0232	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	29	36	3
15NR5A0232	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	46	2

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0232	RT4102M	ELECTRICAL SIMULATION LAB	24	47	2
15NR5A0232	RT4102N	POWER SYSTEMS LAB	24	44	2
15NR5A0236	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	22	57	3
15NR5A0236	RT41022	HVAC AND DC TRANSMISSION	21	7	0
15NR5A0236	RT41023	POWER SYSTEM OPERATION AND CONTROL	18	33	3
15NR5A0236	RT41025	INSTRUMENTATION	20	57	3
15NR5A0236	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	24	38	3
15NR5A0236	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	47	2
15NR5A0236	RT4102M	ELECTRICAL SIMULATION LAB	18	38	2
15NR5A0236	RT4102N	POWER SYSTEMS LAB	21	36	2
15NR5A0237	RT41021	RENEWABLE ENERGY SOURCES AND SYSTEMS	28	42	3
15NR5A0237	RT41022	HVAC AND DC TRANSMISSION	26	26	3
15NR5A0237	RT41023	POWER SYSTEM OPERATION AND CONTROL	21	46	3
15NR5A0237	RT41025	INSTRUMENTATION	22	39	3
15NR5A0237	RT41029	ELECTRICAL DISTRIBUTION SYSTEMS	28	33	3
15NR5A0237	RT4102L	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
15NR5A0237	RT4102M	ELECTRICAL SIMULATION LAB	22	45	2
15NR5A0237	RT4102N	POWER SYSTEMS LAB	24	44	2
15NR5A0304	RT41031	AUTOMOBILE ENGINEERING	15	28	3
15NR5A0304	RT41032	CAD CAM	15	35	3
15NR5A0304	RT41033	FINITE ELEMENT METHODS	14	31	3
15NR5A0304	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	40	3
15NR5A0304	RT41035	MEMS	16	30	3
15NR5A0304	RT41039	AUTOMATION IN MANUFACTURING	22	37	3
15NR5A0304	RT4103L	SIMULATION LAB	16	38	2
15NR5A0304	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
15NR5A0312	RT41031	AUTOMOBILE ENGINEERING	19	29	3
15NR5A0312	RT41032	CAD CAM	16	28	3
15NR5A0312	RT41033	FINITE ELEMENT METHODS	17	9	0
15NR5A0312	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	35	3
15NR5A0312	RT41035	MEMS	23	29	3
15NR5A0312	RT41039	AUTOMATION IN MANUFACTURING	22	44	3
15NR5A0312	RT4103L	SIMULATION LAB	18	41	2
15NR5A0312	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
15NR5A0313	RT41031	AUTOMOBILE ENGINEERING	24	39	3
15NR5A0313	RT41032	CAD CAM	25	66	3
15NR5A0313	RT41033	FINITE ELEMENT METHODS	24	69	3
15NR5A0313	RT41034	UNCONVENTIONAL MACHINING PROCESSES	25	50	3
15NR5A0313	RT41035	MEMS	25	70	3
15NR5A0313	RT41039	AUTOMATION IN MANUFACTURING	21	29	3
15NR5A0313	RT4103L	SIMULATION LAB	23	48	2
15NR5A0313	RT4103M	DESIGN FABRICATION PROJECT	50	0	1
15NR5A0314	RT41031	AUTOMOBILE ENGINEERING	18	24	3
15NR5A0314	RT41032	CAD CAM	15	39	3
15NR5A0314	RT41033	FINITE ELEMENT METHODS	12	15	0
15NR5A0314	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	28	3
15NR5A0314	RT41035	MEMS	15	20	0
15NR5A0314	RT41039	AUTOMATION IN MANUFACTURING	16	35	3
15NR5A0314	RT4103L	SIMULATION LAB	18	40	2
15NR5A0314	RT4103M	DESIGN FABRICATION PROJECT	45	0	1

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0317	RT41031	AUTOMOBILE ENGINEERING	20	27	3
15NR5A0317	RT41032	CAD CAM	23	37	3
15NR5A0317	RT41033	FINITE ELEMENT METHODS	22	25	3
15NR5A0317	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	36	3
15NR5A0317	RT41035	MEMS	19	26	3
15NR5A0317	RT41039	AUTOMATION IN MANUFACTURING	20	36	3
15NR5A0317	RT4103L	SIMULATION LAB	19	41	2
15NR5A0317	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
15NR5A0318	RT41031	AUTOMOBILE ENGINEERING	19	46	3
15NR5A0318	RT41032	CAD CAM	18	27	3
15NR5A0318	RT41033	FINITE ELEMENT METHODS	12	31	3
15NR5A0318	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	47	3
15NR5A0318	RT41035	MEMS	23	38	3
15NR5A0318	RT41039	AUTOMATION IN MANUFACTURING	23	41	3
15NR5A0318	RT4103L	SIMULATION LAB	19	42	2
15NR5A0318	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
15NR5A0319	RT41031	AUTOMOBILE ENGINEERING	15	25	3
15NR5A0319	RT41032	CAD CAM	10	30	3
15NR5A0319	RT41033	FINITE ELEMENT METHODS	11	9	0
15NR5A0319	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	24	3
15NR5A0319	RT41035	MEMS	17	32	3
15NR5A0319	RT41039	AUTOMATION IN MANUFACTURING	16	10	0
15NR5A0319	RT4103L	SIMULATION LAB	16	38	2
15NR5A0319	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
15NR5A0320	RT41031	AUTOMOBILE ENGINEERING	19	28	3
15NR5A0320	RT41032	CAD CAM	15	43	3
15NR5A0320	RT41033	FINITE ELEMENT METHODS	15	9	0
15NR5A0320	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	29	3
15NR5A0320	RT41035	MEMS	15	15	0
15NR5A0320	RT41039	AUTOMATION IN MANUFACTURING	23	40	3
15NR5A0320	RT4103L	SIMULATION LAB	17	41	2
15NR5A0320	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
15NR5A0322	RT41031	AUTOMOBILE ENGINEERING	19	44	3
15NR5A0322	RT41032	CAD CAM	23	40	3
15NR5A0322	RT41033	FINITE ELEMENT METHODS	23	24	3
15NR5A0322	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	43	3
15NR5A0322	RT41035	MEMS	13	46	3
15NR5A0322	RT41039	AUTOMATION IN MANUFACTURING	22	58	3
15NR5A0322	RT4103L	SIMULATION LAB	20	44	2
15NR5A0322	RT4103M	DESIGN FABRICATION PROJECT	45	0	1
15NR5A0323	RT41031	AUTOMOBILE ENGINEERING	19	54	3
15NR5A0323	RT41032	CAD CAM	20	36	3
15NR5A0323	RT41033	FINITE ELEMENT METHODS	21	16	0
15NR5A0323	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	34	3
15NR5A0323	RT41035	MEMS	24	41	3
15NR5A0323	RT41039	AUTOMATION IN MANUFACTURING	20	39	3
15NR5A0323	RT4103L	SIMULATION LAB	20	44	2
15NR5A0323	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
15NR5A0325	RT41031	AUTOMOBILE ENGINEERING	20	34	3
15NR5A0325	RT41032	CAD CAM	22	33	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0325	RT41033	FINITE ELEMENT METHODS	21	53	3
15NR5A0325	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	26	3
15NR5A0325	RT41035	MEMS	23	55	3
15NR5A0325	RT41039	AUTOMATION IN MANUFACTURING	22	29	3
15NR5A0325	RT4103L	SIMULATION LAB	21	44	2
15NR5A0325	RT4103M	DESIGN FABRICATION PROJECT	48	0	1
15NR5A0327	RT41031	AUTOMOBILE ENGINEERING	11	11	0
15NR5A0327	RT41032	CAD CAM	10	30	3
15NR5A0327	RT41033	FINITE ELEMENT METHODS	19	5	0
15NR5A0327	RT41034	UNCONVENTIONAL MACHINING PROCESSES	13	3	0
15NR5A0327	RT41035	MEMS	13	9	0
15NR5A0327	RT41039	AUTOMATION IN MANUFACTURING	17	28	3
15NR5A0327	RT4103L	SIMULATION LAB	10	35	2
15NR5A0327	RT4103M	DESIGN FABRICATION PROJECT	-1	0	0
15NR5A0331	RT41031	AUTOMOBILE ENGINEERING	17	32	3
15NR5A0331	RT41032	CAD CAM	19	31	3
15NR5A0331	RT41033	FINITE ELEMENT METHODS	21	24	3
15NR5A0331	RT41034	UNCONVENTIONAL MACHINING PROCESSES	21	40	3
15NR5A0331	RT41035	MEMS	21	29	3
15NR5A0331	RT41039	AUTOMATION IN MANUFACTURING	19	38	3
15NR5A0331	RT4103L	SIMULATION LAB	20	43	2
15NR5A0331	RT4103M	DESIGN FABRICATION PROJECT	46	0	1
15NR5A0332	RT41031	AUTOMOBILE ENGINEERING	15	38	3
15NR5A0332	RT41032	CAD CAM	13	5	0
15NR5A0332	RT41033	FINITE ELEMENT METHODS	12	7	0
15NR5A0332	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	35	3
15NR5A0332	RT41035	MEMS	17	39	3
15NR5A0332	RT41039	AUTOMATION IN MANUFACTURING	16	38	3
15NR5A0332	RT4103L	SIMULATION LAB	16	45	2
15NR5A0332	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
15NR5A0342	RT41031	AUTOMOBILE ENGINEERING	19	34	3
15NR5A0342	RT41032	CAD CAM	26	39	3
15NR5A0342	RT41033	FINITE ELEMENT METHODS	24	55	3
15NR5A0342	RT41034	UNCONVENTIONAL MACHINING PROCESSES	20	37	3
15NR5A0342	RT41035	MEMS	23	58	3
15NR5A0342	RT41039	AUTOMATION IN MANUFACTURING	22	41	3
15NR5A0342	RT4103L	SIMULATION LAB	23	46	2
15NR5A0342	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
15NR5A0343	RT41031	AUTOMOBILE ENGINEERING	17	25	3
15NR5A0343	RT41032	CAD CAM	16	63	3
15NR5A0343	RT41033	FINITE ELEMENT METHODS	20	36	3
15NR5A0343	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	38	3
15NR5A0343	RT41035	MEMS	21	29	3
15NR5A0343	RT41039	AUTOMATION IN MANUFACTURING	22	45	3
15NR5A0343	RT4103L	SIMULATION LAB	16	40	2
15NR5A0343	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
15NR5A0345	RT41031	AUTOMOBILE ENGINEERING	13	32	3
15NR5A0345	RT41032	CAD CAM	17	26	3
15NR5A0345	RT41033	FINITE ELEMENT METHODS	16	34	3
15NR5A0345	RT41034	UNCONVENTIONAL MACHINING PROCESSES	18	36	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0345	RT41035	MEMS	16	25	3
15NR5A0345	RT41039	AUTOMATION IN MANUFACTURING	20	39	3
15NR5A0345	RT4103L	SIMULATION LAB	16	38	2
15NR5A0345	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
15NR5A0346	RT41031	AUTOMOBILE ENGINEERING	21	52	3
15NR5A0346	RT41032	CAD CAM	22	45	3
15NR5A0346	RT41033	FINITE ELEMENT METHODS	19	34	3
15NR5A0346	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	41	3
15NR5A0346	RT41035	MEMS	19	42	3
15NR5A0346	RT41039	AUTOMATION IN MANUFACTURING	21	47	3
15NR5A0346	RT4103L	SIMULATION LAB	21	46	2
15NR5A0346	RT4103M	DESIGN FABRICATION PROJECT	49	0	1
15NR5A0348	RT41031	AUTOMOBILE ENGINEERING	19	25	3
15NR5A0348	RT41032	CAD CAM	20	41	3
15NR5A0348	RT41033	FINITE ELEMENT METHODS	19	36	3
15NR5A0348	RT41034	UNCONVENTIONAL MACHINING PROCESSES	19	34	3
15NR5A0348	RT41035	MEMS	16	30	3
15NR5A0348	RT41039	AUTOMATION IN MANUFACTURING	21	17	0
15NR5A0348	RT4103L	SIMULATION LAB	20	43	2
15NR5A0348	RT4103M	DESIGN FABRICATION PROJECT	43	0	1
15NR5A0349	RT41031	AUTOMOBILE ENGINEERING	16	24	3
15NR5A0349	RT41032	CAD CAM	15	29	3
15NR5A0349	RT41033	FINITE ELEMENT METHODS	12	17	0
15NR5A0349	RT41034	UNCONVENTIONAL MACHINING PROCESSES	16	34	3
15NR5A0349	RT41035	MEMS	16	24	3
15NR5A0349	RT41039	AUTOMATION IN MANUFACTURING	19	36	3
15NR5A0349	RT4103L	SIMULATION LAB	16	38	2
15NR5A0349	RT4103M	DESIGN FABRICATION PROJECT	47	0	1
15NR5A0351	RT41031	AUTOMOBILE ENGINEERING	13	32	3
15NR5A0351	RT41032	CAD CAM	13	41	3
15NR5A0351	RT41033	FINITE ELEMENT METHODS	13	10	0
15NR5A0351	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	41	3
15NR5A0351	RT41035	MEMS	18	39	3
15NR5A0351	RT41039	AUTOMATION IN MANUFACTURING	19	34	3
15NR5A0351	RT4103L	SIMULATION LAB	16	42	2
15NR5A0351	RT4103M	DESIGN FABRICATION PROJECT	41	0	1
15NR5A0352	RT41031	AUTOMOBILE ENGINEERING	16	33	3
15NR5A0352	RT41032	CAD CAM	17	24	3
15NR5A0352	RT41033	FINITE ELEMENT METHODS	20	4	0
15NR5A0352	RT41034	UNCONVENTIONAL MACHINING PROCESSES	17	38	3
15NR5A0352	RT41035	MEMS	15	30	3
15NR5A0352	RT41039	AUTOMATION IN MANUFACTURING	21	32	3
15NR5A0352	RT4103L	SIMULATION LAB	16	-1	0
15NR5A0352	RT4103M	DESIGN FABRICATION PROJECT	42	0	1
15NR5A0402	RT41041	VLSI DESIGN	23	36	3
15NR5A0402	RT41042	COMPUTER NETWORKS	28	25	3
15NR5A0402	RT41043	DIGITAL IMAGE PROCESSING	19	35	3
15NR5A0402	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	26	31	3
15NR5A0402	RT41048	RADAR SYSTEMS	22	40	3
15NR5A0402	RT4104A	OPTICAL COMMUNICATION	20	26	3

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0402	RT4104L	V L S I LAB	20	41	2
15NR5A0402	RT4104M	MICROWAVE ENGINEERING LAB	8	39	2
15NR5A0404	RT41041	VLSI DESIGN	18	14	0
15NR5A0404	RT41042	COMPUTER NETWORKS	21	11	0
15NR5A0404	RT41043	DIGITAL IMAGE PROCESSING	18	-1	0
15NR5A0404	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	16	34	3
15NR5A0404	RT41048	RADAR SYSTEMS	17	8	0
15NR5A0404	RT4104A	OPTICAL COMMUNICATION	17	27	3
15NR5A0404	RT4104L	V L S I LAB	0	35	2
15NR5A0404	RT4104M	MICROWAVE ENGINEERING LAB	7	36	2
15NR5A0405	RT41041	VLSI DESIGN	26	45	3
15NR5A0405	RT41042	COMPUTER NETWORKS	17	36	3
15NR5A0405	RT41043	DIGITAL IMAGE PROCESSING	22	25	3
15NR5A0405	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	34	3
15NR5A0405	RT41048	RADAR SYSTEMS	25	32	3
15NR5A0405	RT4104A	OPTICAL COMMUNICATION	23	24	3
15NR5A0405	RT4104L	V L S I LAB	20	41	2
15NR5A0405	RT4104M	MICROWAVE ENGINEERING LAB	20	37	2
15NR5A0406	RT41041	VLSI DESIGN	27	40	3
15NR5A0406	RT41042	COMPUTER NETWORKS	29	41	3
15NR5A0406	RT41043	DIGITAL IMAGE PROCESSING	23	48	3
15NR5A0406	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	39	3
15NR5A0406	RT41048	RADAR SYSTEMS	25	48	3
15NR5A0406	RT4104A	OPTICAL COMMUNICATION	23	31	3
15NR5A0406	RT4104L	V L S I LAB	22	44	2
15NR5A0406	RT4104M	MICROWAVE ENGINEERING LAB	24	40	2
15NR5A0407	RT41041	VLSI DESIGN	27	30	3
15NR5A0407	RT41042	COMPUTER NETWORKS	27	28	3
15NR5A0407	RT41043	DIGITAL IMAGE PROCESSING	17	24	3
15NR5A0407	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	24	3
15NR5A0407	RT41048	RADAR SYSTEMS	24	40	3
15NR5A0407	RT4104A	OPTICAL COMMUNICATION	22	28	3
15NR5A0407	RT4104L	V L S I LAB	20	41	2
15NR5A0407	RT4104M	MICROWAVE ENGINEERING LAB	10	43	2
15NR5A0408	RT41041	VLSI DESIGN	23	24	3
15NR5A0408	RT41042	COMPUTER NETWORKS	25	34	3
15NR5A0408	RT41043	DIGITAL IMAGE PROCESSING	17	25	3
15NR5A0408	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	23	32	3
15NR5A0408	RT41048	RADAR SYSTEMS	24	27	3
15NR5A0408	RT4104A	OPTICAL COMMUNICATION	22	36	3
15NR5A0408	RT4104L	V L S I LAB	22	47	2
15NR5A0408	RT4104M	MICROWAVE ENGINEERING LAB	23	38	2
15NR5A0409	RT41041	VLSI DESIGN	22	34	3
15NR5A0409	RT41042	COMPUTER NETWORKS	27	37	3
15NR5A0409	RT41043	DIGITAL IMAGE PROCESSING	24	29	3
15NR5A0409	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	25	37	3
15NR5A0409	RT41048	RADAR SYSTEMS	21	9	0
15NR5A0409	RT4104A	OPTICAL COMMUNICATION	24	30	3
15NR5A0409	RT4104L	V L S I LAB	22	47	2
15NR5A0409	RT4104M	MICROWAVE ENGINEERING LAB	24	35	2

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0410	RT41041	VLSI DESIGN	18	24	3
15NR5A0410	RT41042	COMPUTER NETWORKS	24	13	0
15NR5A0410	RT41043	DIGITAL IMAGE PROCESSING	15	8	0
15NR5A0410	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	17	30	3
15NR5A0410	RT41048	RADAR SYSTEMS	19	41	3
15NR5A0410	RT4104A	OPTICAL COMMUNICATION	20	24	3
15NR5A0410	RT4104L	V L S I LAB	14	39	2
15NR5A0410	RT4104M	MICROWAVE ENGINEERING LAB	23	37	2
15NR5A0411	RT41041	VLSI DESIGN	21	18	0
15NR5A0411	RT41042	COMPUTER NETWORKS	24	28	3
15NR5A0411	RT41043	DIGITAL IMAGE PROCESSING	22	29	3
15NR5A0411	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	24	3
15NR5A0411	RT41048	RADAR SYSTEMS	21	30	3
15NR5A0411	RT4104A	OPTICAL COMMUNICATION	20	32	3
15NR5A0411	RT4104L	V L S I LAB	14	37	2
15NR5A0411	RT4104M	MICROWAVE ENGINEERING LAB	23	37	2
15NR5A0412	RT41041	VLSI DESIGN	22	11	0
15NR5A0412	RT41042	COMPUTER NETWORKS	24	17	0
15NR5A0412	RT41043	DIGITAL IMAGE PROCESSING	13	20	0
15NR5A0412	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	21	34	3
15NR5A0412	RT41048	RADAR SYSTEMS	20	27	3
15NR5A0412	RT4104A	OPTICAL COMMUNICATION	20	33	3
15NR5A0412	RT4104L	V L S I LAB	20	40	2
15NR5A0412	RT4104M	MICROWAVE ENGINEERING LAB	20	33	2
15NR5A0413	RT41041	VLSI DESIGN	24	35	3
15NR5A0413	RT41042	COMPUTER NETWORKS	28	31	3
15NR5A0413	RT41043	DIGITAL IMAGE PROCESSING	21	41	3
15NR5A0413	RT41044	COMPUTER ARCHITECTURE AND ORGANIZATION	24	24	3
15NR5A0413	RT41048	RADAR SYSTEMS	24	26	3
15NR5A0413	RT4104A	OPTICAL COMMUNICATION	24	30	3
15NR5A0413	RT4104L	V L S I LAB	22	45	2
15NR5A0413	RT4104M	MICROWAVE ENGINEERING LAB	24	42	2
15NR5A0502	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	5	10	0
15NR5A0502	RT41052	UML AND DESIGN PATTERNS	9	24	0
15NR5A0502	RT41053	MOBILE COMPUTING	15	34	3
15NR5A0502	RT41054	SOFTWARE TESTING METHODOLOGIES	20	27	3
15NR5A0502	RT4105B	HADOOP AND BIG DATA	13	34	3
15NR5A0502	RT4105L	UML AND DESIGN PATTERNS LAB	15	38	2
15NR5A0502	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	15	40	2
15NR5A0502	RT4105N	SOFTWARE TESTING LAB	15	47	2
15NR5A0502	RT4105O	HADOOP AND BIGDATA LAB	15	38	2
15NR5A0503	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	22	16	0
15NR5A0503	RT41052	UML AND DESIGN PATTERNS	25	34	3
15NR5A0503	RT41053	MOBILE COMPUTING	29	36	3
15NR5A0503	RT41054	SOFTWARE TESTING METHODOLOGIES	23	41	3
15NR5A0503	RT4105B	HADOOP AND BIG DATA	24	29	3
15NR5A0503	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15NR5A0503	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	45	2
15NR5A0503	RT4105N	SOFTWARE TESTING LAB	23	49	2
15NR5A0503	RT4105O	HADOOP AND BIGDATA LAB	24	46	2

Htno	Subcode	Subname	Internal	External	Credits
15NR5A0506	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	10	11	0
15NR5A0506	RT41052	UML AND DESIGN PATTERNS	22	30	3
15NR5A0506	RT41053	MOBILE COMPUTING	5	13	0
15NR5A0506	RT41054	SOFTWARE TESTING METHODOLOGIES	15	29	3
15NR5A0506	RT4105B	HADOOP AND BIG DATA	11	15	0
15NR5A0506	RT4105L	UML AND DESIGN PATTERNS LAB	15	38	2
15NR5A0506	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	15	40	2
15NR5A0506	RT4105N	SOFTWARE TESTING LAB	15	45	2
15NR5A0506	RT4105O	HADOOP AND BIGDATA LAB	15	38	2
15NR5A0507	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	57	3
15NR5A0507	RT41052	UML AND DESIGN PATTERNS	27	61	3
15NR5A0507	RT41053	MOBILE COMPUTING	26	40	3
15NR5A0507	RT41054	SOFTWARE TESTING METHODOLOGIES	28	48	3
15NR5A0507	RT4105B	HADOOP AND BIG DATA	28	29	3
15NR5A0507	RT4105L	UML AND DESIGN PATTERNS LAB	24	49	2
15NR5A0507	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	48	2
15NR5A0507	RT4105N	SOFTWARE TESTING LAB	25	50	2
15NR5A0507	RT4105O	HADOOP AND BIGDATA LAB	25	49	2
15NR5A0508	RT41051	CRYPTOGRAPHY AND NETWORK SECURITY	25	24	3
15NR5A0508	RT41052	UML AND DESIGN PATTERNS	28	30	3
15NR5A0508	RT41053	MOBILE COMPUTING	21	29	3
15NR5A0508	RT41054	SOFTWARE TESTING METHODOLOGIES	26	28	3
15NR5A0508	RT4105B	HADOOP AND BIG DATA	27	28	3
15NR5A0508	RT4105L	UML AND DESIGN PATTERNS LAB	24	48	2
15NR5A0508	RT4105M	MOBILE APPLICATION DEVELOPMENT LAB	24	49	2
15NR5A0508	RT4105N	SOFTWARE TESTING LAB	25	50	2
15NR5A0508	RT4105O	HADOOP AND BIGDATA LAB	25	49	2

**NOTE:1 [Last Date for Apply Recounting/Revaluation/Challenge By Revaluation: 04-01-2018]

**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.

N. Mohan Rao

Date:23-12-2017

Controller of Examinations