



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of III B.Tech II Semester[R10,R13] Regular/Supplementary Examinations April/May-2017

College: JNTU KAKINADA UNIVERSITY COLLEGE OF ENGINEERING, VIZIANAGARAM:VV

Htno	Subcode	Subname	Internal	External	Credits
11VV1A0309	ME325	HEAT TRANSFER	14	15	0
11VV1A0544	CS322	COMPUTER ARCHITECTURE	11	0	0
11VV1A0544	CS324	UNIX PROGRAMMING	10	24	0
13VV1A0120	RT32012	GEOTECHNICAL ENGINEERING â€“ II	8	34	3
13VV1A0122	RT32014	WATER RESOURCES ENGINEERINGâ€“I	19	43	3
13VV1A0124	RT32015	TRANSPORTATION ENGINEERING â€“ II	28	49	3
13VV1A0127	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	22	42	3
13VV1A0127	RT32012	GEOTECHNICAL ENGINEERING â€“ II	25	54	3
13VV1A0127	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	28	46	3
13VV1A0127	RT32014	WATER RESOURCES ENGINEERINGâ€“I	26	47	3
13VV1A0127	RT32015	TRANSPORTATION ENGINEERING â€“ II	22	41	3
13VV1A0127	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	44	3
13VV1A0127	RT32017	COMPUTER AIDED ENGINEERING DRAWING	30	69	2
13VV1A0127	RT32018	TRANSPORTATION ENGINEERING LAB	24	46	2
13VV1A0242	RT32021	MICROPROCESSORS & MICROCONTROLLERS	15	8	0
13VV1A0242	RT32024	POWER SYSTEM ANALYSIS	14	29	3
13VV1A0253	RT32022	SWITCHGEAR AND PROTECTION	16	42	3
13VV1A0314	RT32031	OPERATIONS RESEARCH	22	28	3
13VV1A0314	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	3	0
13VV1A0314	RT32033	DESIGN OF MACHINE MEMBERSâ€“ II	18	31	3
13VV1A0314	RT32034	ROBOTICS	18	37	3
13VV1A0314	RT32035	HEAT TRANSFER	16	32	3
13VV1A0314	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	45	3
13VV1A0314	RT32037A	REFRIGERATION & AIR CONDITIONING	13	33	3
13VV1A0314	RT32038	HEAT TRANSFER LAB	19	19	2
13VV1A0333	RT32031	OPERATIONS RESEARCH	23	32	3
13VV1A0333	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	34	3
13VV1A0333	RT32033	DESIGN OF MACHINE MEMBERSâ€“ II	21	33	3
13VV1A0333	RT32034	ROBOTICS	16	37	3
13VV1A0333	RT32035	HEAT TRANSFER	19	24	3
13VV1A0333	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	47	3
13VV1A0333	RT32037A	REFRIGERATION & AIR CONDITIONING	15	36	3
13VV1A0333	RT32038	HEAT TRANSFER LAB	20	36	2
13VV1A0340	RT32031	OPERATIONS RESEARCH	20	38	3
13VV1A0340	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	30	3
13VV1A0340	RT32033	DESIGN OF MACHINE MEMBERSâ€“ II	16	36	3
13VV1A0340	RT32034	ROBOTICS	18	50	3
13VV1A0340	RT32035	HEAT TRANSFER	16	26	3
13VV1A0340	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	14	44	3
13VV1A0340	RT32037A	REFRIGERATION & AIR CONDITIONING	12	28	3
13VV1A0340	RT32038	HEAT TRANSFER LAB	19	28	2
13VV1A0352	RT32033	DESIGN OF MACHINE MEMBERSâ€“ II	7	44	3
13VV1A0352	RT32037A	REFRIGERATION & AIR CONDITIONING	14	33	3
14VV1A0101	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	27	39	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0101	RT32012	GEOTECHNICAL ENGINEERING â€“ II	28	54	3
14VV1A0101	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	38	3
14VV1A0101	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	42	3
14VV1A0101	RT32015	TRANSPORTATION ENGINEERING â€“ II	23	45	3
14VV1A0101	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	52	3
14VV1A0101	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	69	2
14VV1A0101	RT32018	TRANSPORTATION ENGINEERING LAB	22	47	2
14VV1A0102	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	23	42	3
14VV1A0102	RT32012	GEOTECHNICAL ENGINEERING â€“ II	25	53	3
14VV1A0102	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	28	44	3
14VV1A0102	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	43	3
14VV1A0102	RT32015	TRANSPORTATION ENGINEERING â€“ II	23	44	3
14VV1A0102	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	49	3
14VV1A0102	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	68	2
14VV1A0102	RT32018	TRANSPORTATION ENGINEERING LAB	24	49	2
14VV1A0103	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	23	42	3
14VV1A0103	RT32012	GEOTECHNICAL ENGINEERING â€“ II	23	35	3
14VV1A0103	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	32	3
14VV1A0103	RT32014	WATER RESOURCES ENGINEERINGâ€“I	25	40	3
14VV1A0103	RT32015	TRANSPORTATION ENGINEERING â€“ II	26	41	3
14VV1A0103	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	25	38	3
14VV1A0103	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
14VV1A0103	RT32018	TRANSPORTATION ENGINEERING LAB	23	45	2
14VV1A0104	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	27	51	3
14VV1A0104	RT32012	GEOTECHNICAL ENGINEERING â€“ II	29	58	3
14VV1A0104	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	52	3
14VV1A0104	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	51	3
14VV1A0104	RT32015	TRANSPORTATION ENGINEERING â€“ II	25	53	3
14VV1A0104	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	28	49	3
14VV1A0104	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
14VV1A0104	RT32018	TRANSPORTATION ENGINEERING LAB	24	47	2
14VV1A0105	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	21	37	3
14VV1A0105	RT32012	GEOTECHNICAL ENGINEERING â€“ II	25	48	3
14VV1A0105	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	46	3
14VV1A0105	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	42	3
14VV1A0105	RT32015	TRANSPORTATION ENGINEERING â€“ II	24	45	3
14VV1A0105	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	41	3
14VV1A0105	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
14VV1A0105	RT32018	TRANSPORTATION ENGINEERING LAB	25	45	2
14VV1A0106	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	29	48	3
14VV1A0106	RT32012	GEOTECHNICAL ENGINEERING â€“ II	26	51	3
14VV1A0106	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	40	3
14VV1A0106	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	41	3
14VV1A0106	RT32015	TRANSPORTATION ENGINEERING â€“ II	25	50	3
14VV1A0106	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	24	51	3
14VV1A0106	RT32017	COMPUTER AIDED ENGINEERING DRAWING	30	68	2
14VV1A0106	RT32018	TRANSPORTATION ENGINEERING LAB	25	50	2
14VV1A0107	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	26	41	3
14VV1A0107	RT32012	GEOTECHNICAL ENGINEERING â€“ II	26	46	3
14VV1A0107	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	28	8	0

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0107	RT32014	WATER RESOURCES ENGINEERINGâ€™I	21	34	3
14VV1A0107	RT32015	TRANSPORTATION ENGINEERING â€™ II	24	39	3
14VV1A0107	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	25	42	3
14VV1A0107	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	70	2
14VV1A0107	RT32018	TRANSPORTATION ENGINEERING LAB	23	46	2
14VV1A0108	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	26	41	3
14VV1A0108	RT32012	GEOTECHNICAL ENGINEERING â€™ II	26	54	3
14VV1A0108	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	30	3
14VV1A0108	RT32014	WATER RESOURCES ENGINEERINGâ€™I	28	55	3
14VV1A0108	RT32015	TRANSPORTATION ENGINEERING â€™ II	28	52	3
14VV1A0108	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	28	50	3
14VV1A0108	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2
14VV1A0108	RT32018	TRANSPORTATION ENGINEERING LAB	23	48	2
14VV1A0110	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	23	36	3
14VV1A0110	RT32012	GEOTECHNICAL ENGINEERING â€™ II	28	50	3
14VV1A0110	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	36	3
14VV1A0110	RT32014	WATER RESOURCES ENGINEERINGâ€™I	28	41	3
14VV1A0110	RT32015	TRANSPORTATION ENGINEERING â€™ II	28	34	3
14VV1A0110	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	43	3
14VV1A0110	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
14VV1A0110	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
14VV1A0111	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	23	41	3
14VV1A0111	RT32012	GEOTECHNICAL ENGINEERING â€™ II	24	35	3
14VV1A0111	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	24	3
14VV1A0111	RT32014	WATER RESOURCES ENGINEERINGâ€™I	25	31	3
14VV1A0111	RT32015	TRANSPORTATION ENGINEERING â€™ II	20	32	3
14VV1A0111	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	37	3
14VV1A0111	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	67	2
14VV1A0111	RT32018	TRANSPORTATION ENGINEERING LAB	23	46	2
14VV1A0112	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	25	35	3
14VV1A0112	RT32012	GEOTECHNICAL ENGINEERING â€™ II	28	57	3
14VV1A0112	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	41	3
14VV1A0112	RT32014	WATER RESOURCES ENGINEERINGâ€™I	27	52	3
14VV1A0112	RT32015	TRANSPORTATION ENGINEERING â€™ II	25	29	3
14VV1A0112	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	29	39	3
14VV1A0112	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	68	2
14VV1A0112	RT32018	TRANSPORTATION ENGINEERING LAB	21	47	2
14VV1A0113	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	25	52	3
14VV1A0113	RT32012	GEOTECHNICAL ENGINEERING â€™ II	26	51	3
14VV1A0113	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	28	3
14VV1A0113	RT32014	WATER RESOURCES ENGINEERINGâ€™I	24	39	3
14VV1A0113	RT32015	TRANSPORTATION ENGINEERING â€™ II	26	29	3
14VV1A0113	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	25	38	3
14VV1A0113	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2
14VV1A0113	RT32018	TRANSPORTATION ENGINEERING LAB	22	45	2
14VV1A0114	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	25	28	3
14VV1A0114	RT32012	GEOTECHNICAL ENGINEERING â€™ II	26	48	3
14VV1A0114	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	30	3
14VV1A0114	RT32014	WATER RESOURCES ENGINEERINGâ€™I	27	29	3
14VV1A0114	RT32015	TRANSPORTATION ENGINEERING â€™ II	24	30	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0114	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	34	3
14VV1A0114	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	67	2
14VV1A0114	RT32018	TRANSPORTATION ENGINEERING LAB	22	46	2
14VV1A0115	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	25	48	3
14VV1A0115	RT32012	GEOTECHNICAL ENGINEERING â€™ II	26	51	3
14VV1A0115	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	50	3
14VV1A0115	RT32014	WATER RESOURCES ENGINEERINGâ€™I	28	41	3
14VV1A0115	RT32015	TRANSPORTATION ENGINEERING â€™ II	24	42	3
14VV1A0115	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	26	48	3
14VV1A0115	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	69	2
14VV1A0115	RT32018	TRANSPORTATION ENGINEERING LAB	23	48	2
14VV1A0116	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	28	31	3
14VV1A0116	RT32012	GEOTECHNICAL ENGINEERING â€™ II	26	37	3
14VV1A0116	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	24	3
14VV1A0116	RT32014	WATER RESOURCES ENGINEERINGâ€™I	27	32	3
14VV1A0116	RT32015	TRANSPORTATION ENGINEERING â€™ II	21	24	3
14VV1A0116	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	22	42	3
14VV1A0116	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	68	2
14VV1A0116	RT32018	TRANSPORTATION ENGINEERING LAB	23	45	2
14VV1A0117	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	29	54	3
14VV1A0117	RT32012	GEOTECHNICAL ENGINEERING â€™ II	27	54	3
14VV1A0117	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	60	3
14VV1A0117	RT32014	WATER RESOURCES ENGINEERINGâ€™I	28	56	3
14VV1A0117	RT32015	TRANSPORTATION ENGINEERING â€™ II	27	52	3
14VV1A0117	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	30	54	3
14VV1A0117	RT32017	COMPUTER AIDED ENGINEERING DRAWING	30	69	2
14VV1A0117	RT32018	TRANSPORTATION ENGINEERING LAB	25	47	2
14VV1A0118	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	27	38	3
14VV1A0118	RT32012	GEOTECHNICAL ENGINEERING â€™ II	29	50	3
14VV1A0118	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	28	41	3
14VV1A0118	RT32014	WATER RESOURCES ENGINEERINGâ€™I	26	49	3
14VV1A0118	RT32015	TRANSPORTATION ENGINEERING â€™ II	25	44	3
14VV1A0118	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	52	3
14VV1A0118	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	67	2
14VV1A0118	RT32018	TRANSPORTATION ENGINEERING LAB	22	44	2
14VV1A0119	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	27	38	3
14VV1A0119	RT32012	GEOTECHNICAL ENGINEERING â€™ II	28	53	3
14VV1A0119	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	29	3
14VV1A0119	RT32014	WATER RESOURCES ENGINEERINGâ€™I	26	41	3
14VV1A0119	RT32015	TRANSPORTATION ENGINEERING â€™ II	24	33	3
14VV1A0119	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	26	36	3
14VV1A0119	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	68	2
14VV1A0119	RT32018	TRANSPORTATION ENGINEERING LAB	22	45	2
14VV1A0120	RT32011	ENVIRONMENTAL ENGINEERING â€™ I	28	52	3
14VV1A0120	RT32012	GEOTECHNICAL ENGINEERING â€™ II	27	55	3
14VV1A0120	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	47	3
14VV1A0120	RT32014	WATER RESOURCES ENGINEERINGâ€™I	27	68	3
14VV1A0120	RT32015	TRANSPORTATION ENGINEERING â€™ II	28	46	3
14VV1A0120	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	56	3
14VV1A0120	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0120	RT32018	TRANSPORTATION ENGINEERING LAB	23	48	2
14VV1A0121	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	28	56	3
14VV1A0121	RT32012	GEOTECHNICAL ENGINEERING â€“ II	25	56	3
14VV1A0121	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	38	3
14VV1A0121	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	53	3
14VV1A0121	RT32015	TRANSPORTATION ENGINEERING â€“ II	29	47	3
14VV1A0121	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	28	50	3
14VV1A0121	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2
14VV1A0121	RT32018	TRANSPORTATION ENGINEERING LAB	22	46	2
14VV1A0122	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	28	48	3
14VV1A0122	RT32012	GEOTECHNICAL ENGINEERING â€“ II	25	53	3
14VV1A0122	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	51	3
14VV1A0122	RT32014	WATER RESOURCES ENGINEERINGâ€“I	26	51	3
14VV1A0122	RT32015	TRANSPORTATION ENGINEERING â€“ II	25	41	3
14VV1A0122	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	39	3
14VV1A0122	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2
14VV1A0122	RT32018	TRANSPORTATION ENGINEERING LAB	24	48	2
14VV1A0123	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	27	43	3
14VV1A0123	RT32012	GEOTECHNICAL ENGINEERING â€“ II	28	40	3
14VV1A0123	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	14	0
14VV1A0123	RT32014	WATER RESOURCES ENGINEERINGâ€“I	25	42	3
14VV1A0123	RT32015	TRANSPORTATION ENGINEERING â€“ II	24	43	3
14VV1A0123	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	28	49	3
14VV1A0123	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
14VV1A0123	RT32018	TRANSPORTATION ENGINEERING LAB	24	46	2
14VV1A0124	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	27	43	3
14VV1A0124	RT32012	GEOTECHNICAL ENGINEERING â€“ II	27	52	3
14VV1A0124	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	42	3
14VV1A0124	RT32014	WATER RESOURCES ENGINEERINGâ€“I	28	53	3
14VV1A0124	RT32015	TRANSPORTATION ENGINEERING â€“ II	28	44	3
14VV1A0124	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	26	44	3
14VV1A0124	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	68	2
14VV1A0124	RT32018	TRANSPORTATION ENGINEERING LAB	24	45	2
14VV1A0125	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	21	50	3
14VV1A0125	RT32012	GEOTECHNICAL ENGINEERING â€“ II	25	58	3
14VV1A0125	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	51	3
14VV1A0125	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	53	3
14VV1A0125	RT32015	TRANSPORTATION ENGINEERING â€“ II	22	40	3
14VV1A0125	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	25	40	3
14VV1A0125	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	68	2
14VV1A0125	RT32018	TRANSPORTATION ENGINEERING LAB	25	46	2
14VV1A0126	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	24	52	3
14VV1A0126	RT32012	GEOTECHNICAL ENGINEERING â€“ II	28	51	3
14VV1A0126	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	56	3
14VV1A0126	RT32014	WATER RESOURCES ENGINEERINGâ€“I	28	60	3
14VV1A0126	RT32015	TRANSPORTATION ENGINEERING â€“ II	26	44	3
14VV1A0126	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	46	3
14VV1A0126	RT32017	COMPUTER AIDED ENGINEERING DRAWING	30	70	2
14VV1A0126	RT32018	TRANSPORTATION ENGINEERING LAB	24	48	2
14VV1A0127	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	29	50	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0127	RT32012	GEOTECHNICAL ENGINEERING â€“ II	28	55	3
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14VV1A0127	RT32015	TRANSPORTATION ENGINEERING â€“ II	27	45	3
14VV1A0127	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	28	51	3
14VV1A0127	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	67	2
14VV1A0127	RT32018	TRANSPORTATION ENGINEERING LAB	24	46	2
14VV1A0128	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	26	52	3
14VV1A0128	RT32012	GEOTECHNICAL ENGINEERING â€“ II	28	47	3
14VV1A0128	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	51	3
14VV1A0128	RT32014	WATER RESOURCES ENGINEERINGâ€“I	27	43	3
14VV1A0128	RT32015	TRANSPORTATION ENGINEERING â€“ II	26	48	3
14VV1A0128	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	29	44	3
14VV1A0128	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2
14VV1A0128	RT32018	TRANSPORTATION ENGINEERING LAB	24	47	2
14VV1A0129	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	22	32	3
14VV1A0129	RT32012	GEOTECHNICAL ENGINEERING â€“ II	26	48	3
14VV1A0129	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	24	3
14VV1A0129	RT32014	WATER RESOURCES ENGINEERINGâ€“I	26	40	3
14VV1A0129	RT32015	TRANSPORTATION ENGINEERING â€“ II	22	27	3
14VV1A0129	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	26	28	3
14VV1A0129	RT32017	COMPUTER AIDED ENGINEERING DRAWING	28	69	2
14VV1A0129	RT32018	TRANSPORTATION ENGINEERING LAB	21	46	2
14VV1A0130	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	20	27	3
14VV1A0130	RT32012	GEOTECHNICAL ENGINEERING â€“ II	22	39	3
14VV1A0130	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	27	24	3
14VV1A0130	RT32014	WATER RESOURCES ENGINEERINGâ€“I	25	37	3
14VV1A0130	RT32015	TRANSPORTATION ENGINEERING â€“ II	26	11	0
14VV1A0130	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	23	38	3
14VV1A0130	RT32017	COMPUTER AIDED ENGINEERING DRAWING	27	67	2
14VV1A0130	RT32018	TRANSPORTATION ENGINEERING LAB	23	45	2
14VV1A0201	RT32021	MICROPROCESSORS & MICROCONTROLLERS	26	38	3
14VV1A0201	RT32022	SWITCHGEAR AND PROTECTION	23	51	3
14VV1A0201	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	43	3
14VV1A0201	RT32024	POWER SYSTEM ANALYSIS	26	33	3
14VV1A0201	RT32025	MANAGEMENT SCIENCE	24	50	3
14VV1A0201	RT32026	POWER SEMICONDUCTOR DRIVES	22	40	3
14VV1A0201	RT32027	POWER ELECTRONICS LAB	24	43	2
14VV1A0201	RT32028	ELECTRICAL MEASUREMENTS LAB	20	37	2
14VV1A0202	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	38	3
14VV1A0202	RT32022	SWITCHGEAR AND PROTECTION	21	42	3
14VV1A0202	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	50	3
14VV1A0202	RT32024	POWER SYSTEM ANALYSIS	20	37	3
14VV1A0202	RT32025	MANAGEMENT SCIENCE	25	56	3
14VV1A0202	RT32026	POWER SEMICONDUCTOR DRIVES	21	52	3
14VV1A0202	RT32027	POWER ELECTRONICS LAB	22	33	2
14VV1A0202	RT32028	ELECTRICAL MEASUREMENTS LAB	21	40	2
14VV1A0203	RT32021	MICROPROCESSORS & MICROCONTROLLERS	26	36	3
14VV1A0203	RT32022	SWITCHGEAR AND PROTECTION	21	40	3
14VV1A0203	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	49	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0203	RT32024	POWER SYSTEM ANALYSIS	26	42	3
14VV1A0203	RT32025	MANAGEMENT SCIENCE	27	51	3
14VV1A0203	RT32026	POWER SEMICONDUCTOR DRIVES	26	51	3
14VV1A0203	RT32027	POWER ELECTRONICS LAB	23	44	2
14VV1A0203	RT32028	ELECTRICAL MEASUREMENTS LAB	23	43	2
14VV1A0204	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	42	3
14VV1A0204	RT32022	SWITCHGEAR AND PROTECTION	19	46	3
14VV1A0204	RT32023	UTILIZATION OF ELECTRICAL ENERGY	23	49	3
14VV1A0204	RT32024	POWER SYSTEM ANALYSIS	21	43	3
14VV1A0204	RT32025	MANAGEMENT SCIENCE	21	52	3
14VV1A0204	RT32026	POWER SEMICONDUCTOR DRIVES	19	47	3
14VV1A0204	RT32027	POWER ELECTRONICS LAB	21	37	2
14VV1A0204	RT32028	ELECTRICAL MEASUREMENTS LAB	19	44	2
14VV1A0205	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	36	3
14VV1A0205	RT32022	SWITCHGEAR AND PROTECTION	24	45	3
14VV1A0205	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	45	3
14VV1A0205	RT32024	POWER SYSTEM ANALYSIS	23	44	3
14VV1A0205	RT32025	MANAGEMENT SCIENCE	24	50	3
14VV1A0205	RT32026	POWER SEMICONDUCTOR DRIVES	21	41	3
14VV1A0205	RT32027	POWER ELECTRONICS LAB	22	36	2
14VV1A0205	RT32028	ELECTRICAL MEASUREMENTS LAB	21	41	2
14VV1A0206	RT32021	MICROPROCESSORS & MICROCONTROLLERS	26	36	3
14VV1A0206	RT32022	SWITCHGEAR AND PROTECTION	22	46	3
14VV1A0206	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	52	3
14VV1A0206	RT32024	POWER SYSTEM ANALYSIS	21	52	3
14VV1A0206	RT32025	MANAGEMENT SCIENCE	27	54	3
14VV1A0206	RT32026	POWER SEMICONDUCTOR DRIVES	23	44	3
14VV1A0206	RT32027	POWER ELECTRONICS LAB	22	38	2
14VV1A0206	RT32028	ELECTRICAL MEASUREMENTS LAB	19	41	2
14VV1A0207	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	40	3
14VV1A0207	RT32022	SWITCHGEAR AND PROTECTION	20	50	3
14VV1A0207	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	42	3
14VV1A0207	RT32024	POWER SYSTEM ANALYSIS	21	41	3
14VV1A0207	RT32025	MANAGEMENT SCIENCE	23	55	3
14VV1A0207	RT32026	POWER SEMICONDUCTOR DRIVES	21	44	3
14VV1A0207	RT32027	POWER ELECTRONICS LAB	22	36	2
14VV1A0207	RT32028	ELECTRICAL MEASUREMENTS LAB	20	45	2
14VV1A0208	RT32021	MICROPROCESSORS & MICROCONTROLLERS	18	24	3
14VV1A0208	RT32022	SWITCHGEAR AND PROTECTION	13	18	0
14VV1A0208	RT32023	UTILIZATION OF ELECTRICAL ENERGY	16	37	3
14VV1A0208	RT32024	POWER SYSTEM ANALYSIS	17	17	0
14VV1A0208	RT32025	MANAGEMENT SCIENCE	24	46	3
14VV1A0208	RT32026	POWER SEMICONDUCTOR DRIVES	22	27	3
14VV1A0208	RT32027	POWER ELECTRONICS LAB	17	32	2
14VV1A0208	RT32028	ELECTRICAL MEASUREMENTS LAB	16	42	2
14VV1A0209	RT32021	MICROPROCESSORS & MICROCONTROLLERS	27	48	3
14VV1A0209	RT32022	SWITCHGEAR AND PROTECTION	24	46	3
14VV1A0209	RT32023	UTILIZATION OF ELECTRICAL ENERGY	28	55	3
14VV1A0209	RT32024	POWER SYSTEM ANALYSIS	20	35	3
14VV1A0209	RT32025	MANAGEMENT SCIENCE	27	55	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0209	RT32026	POWER SEMICONDUCTOR DRIVES	23	56	3
14VV1A0209	RT32027	POWER ELECTRONICS LAB	22	39	2
14VV1A0209	RT32028	ELECTRICAL MEASUREMENTS LAB	21	45	2
14VV1A0212	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	32	3
14VV1A0212	RT32022	SWITCHGEAR AND PROTECTION	24	44	3
14VV1A0212	RT32023	UTILIZATION OF ELECTRICAL ENERGY	21	46	3
14VV1A0212	RT32024	POWER SYSTEM ANALYSIS	19	37	3
14VV1A0212	RT32025	MANAGEMENT SCIENCE	25	55	3
14VV1A0212	RT32026	POWER SEMICONDUCTOR DRIVES	22	45	3
14VV1A0212	RT32027	POWER ELECTRONICS LAB	21	41	2
14VV1A0212	RT32028	ELECTRICAL MEASUREMENTS LAB	18	44	2
14VV1A0213	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	40	3
14VV1A0213	RT32022	SWITCHGEAR AND PROTECTION	24	48	3
14VV1A0213	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	50	3
14VV1A0213	RT32024	POWER SYSTEM ANALYSIS	23	49	3
14VV1A0213	RT32025	MANAGEMENT SCIENCE	26	48	3
14VV1A0213	RT32026	POWER SEMICONDUCTOR DRIVES	23	53	3
14VV1A0213	RT32027	POWER ELECTRONICS LAB	21	35	2
14VV1A0213	RT32028	ELECTRICAL MEASUREMENTS LAB	20	42	2
14VV1A0214	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	36	3
14VV1A0214	RT32022	SWITCHGEAR AND PROTECTION	17	46	3
14VV1A0214	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	33	3
14VV1A0214	RT32024	POWER SYSTEM ANALYSIS	19	43	3
14VV1A0214	RT32025	MANAGEMENT SCIENCE	23	49	3
14VV1A0214	RT32026	POWER SEMICONDUCTOR DRIVES	19	34	3
14VV1A0214	RT32027	POWER ELECTRONICS LAB	19	28	2
14VV1A0214	RT32028	ELECTRICAL MEASUREMENTS LAB	18	38	2
14VV1A0215	RT32021	MICROPROCESSORS & MICROCONTROLLERS	26	44	3
14VV1A0215	RT32022	SWITCHGEAR AND PROTECTION	22	54	3
14VV1A0215	RT32023	UTILIZATION OF ELECTRICAL ENERGY	23	46	3
14VV1A0215	RT32024	POWER SYSTEM ANALYSIS	23	43	3
14VV1A0215	RT32025	MANAGEMENT SCIENCE	23	49	3
14VV1A0215	RT32026	POWER SEMICONDUCTOR DRIVES	20	32	3
14VV1A0215	RT32027	POWER ELECTRONICS LAB	20	36	2
14VV1A0215	RT32028	ELECTRICAL MEASUREMENTS LAB	22	40	2
14VV1A0216	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	34	3
14VV1A0216	RT32022	SWITCHGEAR AND PROTECTION	22	52	3
14VV1A0216	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	52	3
14VV1A0216	RT32024	POWER SYSTEM ANALYSIS	24	41	3
14VV1A0216	RT32025	MANAGEMENT SCIENCE	24	55	3
14VV1A0216	RT32026	POWER SEMICONDUCTOR DRIVES	22	50	3
14VV1A0216	RT32027	POWER ELECTRONICS LAB	22	45	2
14VV1A0216	RT32028	ELECTRICAL MEASUREMENTS LAB	22	35	2
14VV1A0218	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	24	3
14VV1A0218	RT32022	SWITCHGEAR AND PROTECTION	23	51	3
14VV1A0218	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	53	3
14VV1A0218	RT32024	POWER SYSTEM ANALYSIS	19	46	3
14VV1A0218	RT32025	MANAGEMENT SCIENCE	25	53	3
14VV1A0218	RT32026	POWER SEMICONDUCTOR DRIVES	24	30	3
14VV1A0218	RT32027	POWER ELECTRONICS LAB	22	47	2



Htno	Subcode	Subname	Internal	External	Credits
14VV1A0218	RT32028	ELECTRICAL MEASUREMENTS LAB	20	42	2
14VV1A0219	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	34	3
14VV1A0219	RT32022	SWITCHGEAR AND PROTECTION	26	45	3
14VV1A0219	RT32023	UTILIZATION OF ELECTRICAL ENERGY	28	39	3
14VV1A0219	RT32024	POWER SYSTEM ANALYSIS	21	30	3
14VV1A0219	RT32025	MANAGEMENT SCIENCE	24	53	3
14VV1A0219	RT32026	POWER SEMICONDUCTOR DRIVES	24	42	3
14VV1A0219	RT32027	POWER ELECTRONICS LAB	23	43	2
14VV1A0219	RT32028	ELECTRICAL MEASUREMENTS LAB	22	47	2
14VV1A0220	RT32021	MICROPROCESSORS & MICROCONTROLLERS	20	32	3
14VV1A0220	RT32022	SWITCHGEAR AND PROTECTION	16	36	3
14VV1A0220	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	42	3
14VV1A0220	RT32024	POWER SYSTEM ANALYSIS	21	42	3
14VV1A0220	RT32025	MANAGEMENT SCIENCE	17	47	3
14VV1A0220	RT32026	POWER SEMICONDUCTOR DRIVES	22	43	3
14VV1A0220	RT32027	POWER ELECTRONICS LAB	20	18	2
14VV1A0220	RT32028	ELECTRICAL MEASUREMENTS LAB	21	42	2
14VV1A0221	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	36	3
14VV1A0221	RT32022	SWITCHGEAR AND PROTECTION	23	54	3
14VV1A0221	RT32023	UTILIZATION OF ELECTRICAL ENERGY	22	46	3
14VV1A0221	RT32024	POWER SYSTEM ANALYSIS	25	37	3
14VV1A0221	RT32025	MANAGEMENT SCIENCE	25	52	3
14VV1A0221	RT32026	POWER SEMICONDUCTOR DRIVES	23	33	3
14VV1A0221	RT32027	POWER ELECTRONICS LAB	22	38	2
14VV1A0221	RT32028	ELECTRICAL MEASUREMENTS LAB	21	41	2
14VV1A0222	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	24	3
14VV1A0222	RT32022	SWITCHGEAR AND PROTECTION	22	40	3
14VV1A0222	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	40	3
14VV1A0222	RT32024	POWER SYSTEM ANALYSIS	17	32	3
14VV1A0222	RT32025	MANAGEMENT SCIENCE	26	49	3
14VV1A0222	RT32026	POWER SEMICONDUCTOR DRIVES	19	36	3
14VV1A0222	RT32027	POWER ELECTRONICS LAB	20	25	2
14VV1A0222	RT32028	ELECTRICAL MEASUREMENTS LAB	18	39	2
14VV1A0223	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	28	3
14VV1A0223	RT32022	SWITCHGEAR AND PROTECTION	23	34	3
14VV1A0223	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	39	3
14VV1A0223	RT32024	POWER SYSTEM ANALYSIS	21	37	3
14VV1A0223	RT32025	MANAGEMENT SCIENCE	25	55	3
14VV1A0223	RT32026	POWER SEMICONDUCTOR DRIVES	26	47	3
14VV1A0223	RT32027	POWER ELECTRONICS LAB	22	44	2
14VV1A0223	RT32028	ELECTRICAL MEASUREMENTS LAB	21	46	2
14VV1A0224	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	30	3
14VV1A0224	RT32022	SWITCHGEAR AND PROTECTION	24	47	3
14VV1A0224	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	48	3
14VV1A0224	RT32024	POWER SYSTEM ANALYSIS	23	45	3
14VV1A0224	RT32025	MANAGEMENT SCIENCE	24	51	3
14VV1A0224	RT32026	POWER SEMICONDUCTOR DRIVES	25	42	3
14VV1A0224	RT32027	POWER ELECTRONICS LAB	22	35	2
14VV1A0224	RT32028	ELECTRICAL MEASUREMENTS LAB	22	45	2
14VV1A0225	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	36	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0225	RT32022	SWITCHGEAR AND PROTECTION	27	55	3
14VV1A0225	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	29	3
14VV1A0225	RT32024	POWER SYSTEM ANALYSIS	23	34	3
14VV1A0225	RT32025	MANAGEMENT SCIENCE	25	51	3
14VV1A0225	RT32026	POWER SEMICONDUCTOR DRIVES	23	38	3
14VV1A0225	RT32027	POWER ELECTRONICS LAB	22	33	2
14VV1A0225	RT32028	ELECTRICAL MEASUREMENTS LAB	22	43	2
14VV1A0226	RT32021	MICROPROCESSORS & MICROCONTROLLERS	26	40	3
14VV1A0226	RT32022	SWITCHGEAR AND PROTECTION	24	51	3
14VV1A0226	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	45	3
14VV1A0226	RT32024	POWER SYSTEM ANALYSIS	23	45	3
14VV1A0226	RT32025	MANAGEMENT SCIENCE	26	52	3
14VV1A0226	RT32026	POWER SEMICONDUCTOR DRIVES	24	42	3
14VV1A0226	RT32027	POWER ELECTRONICS LAB	23	37	2
14VV1A0226	RT32028	ELECTRICAL MEASUREMENTS LAB	20	42	2
14VV1A0227	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	46	3
14VV1A0227	RT32022	SWITCHGEAR AND PROTECTION	24	53	3
14VV1A0227	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	50	3
14VV1A0227	RT32024	POWER SYSTEM ANALYSIS	20	60	3
14VV1A0227	RT32025	MANAGEMENT SCIENCE	23	54	3
14VV1A0227	RT32026	POWER SEMICONDUCTOR DRIVES	21	43	3
14VV1A0227	RT32027	POWER ELECTRONICS LAB	23	43	2
14VV1A0227	RT32028	ELECTRICAL MEASUREMENTS LAB	20	42	2
14VV1A0228	RT32021	MICROPROCESSORS & MICROCONTROLLERS	26	40	3
14VV1A0228	RT32022	SWITCHGEAR AND PROTECTION	23	50	3
14VV1A0228	RT32023	UTILIZATION OF ELECTRICAL ENERGY	28	44	3
14VV1A0228	RT32024	POWER SYSTEM ANALYSIS	23	59	3
14VV1A0228	RT32025	MANAGEMENT SCIENCE	26	54	3
14VV1A0228	RT32026	POWER SEMICONDUCTOR DRIVES	25	62	3
14VV1A0228	RT32027	POWER ELECTRONICS LAB	22	39	2
14VV1A0228	RT32028	ELECTRICAL MEASUREMENTS LAB	21	41	2
14VV1A0229	RT32021	MICROPROCESSORS & MICROCONTROLLERS	20	31	3
14VV1A0229	RT32022	SWITCHGEAR AND PROTECTION	23	49	3
14VV1A0229	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	47	3
14VV1A0229	RT32024	POWER SYSTEM ANALYSIS	20	12	0
14VV1A0229	RT32025	MANAGEMENT SCIENCE	24	53	3
14VV1A0229	RT32026	POWER SEMICONDUCTOR DRIVES	22	38	3
14VV1A0229	RT32027	POWER ELECTRONICS LAB	22	37	2
14VV1A0229	RT32028	ELECTRICAL MEASUREMENTS LAB	21	38	2
14VV1A0230	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	38	3
14VV1A0230	RT32022	SWITCHGEAR AND PROTECTION	28	51	3
14VV1A0230	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	55	3
14VV1A0230	RT32024	POWER SYSTEM ANALYSIS	23	46	3
14VV1A0230	RT32025	MANAGEMENT SCIENCE	25	58	3
14VV1A0230	RT32026	POWER SEMICONDUCTOR DRIVES	25	58	3
14VV1A0230	RT32027	POWER ELECTRONICS LAB	22	33	2
14VV1A0230	RT32028	ELECTRICAL MEASUREMENTS LAB	21	43	2
14VV1A0231	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	45	3
14VV1A0231	RT32022	SWITCHGEAR AND PROTECTION	23	42	3
14VV1A0231	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	37	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0231	RT32024	POWER SYSTEM ANALYSIS	18	55	3
14VV1A0231	RT32025	MANAGEMENT SCIENCE	23	51	3
14VV1A0231	RT32026	POWER SEMICONDUCTOR DRIVES	19	42	3
14VV1A0231	RT32027	POWER ELECTRONICS LAB	21	32	2
14VV1A0231	RT32028	ELECTRICAL MEASUREMENTS LAB	17	36	2
14VV1A0232	RT32021	MICROPROCESSORS & MICROCONTROLLERS	27	46	3
14VV1A0232	RT32022	SWITCHGEAR AND PROTECTION	21	54	3
14VV1A0232	RT32023	UTILIZATION OF ELECTRICAL ENERGY	27	58	3
14VV1A0232	RT32024	POWER SYSTEM ANALYSIS	20	52	3
14VV1A0232	RT32025	MANAGEMENT SCIENCE	28	54	3
14VV1A0232	RT32026	POWER SEMICONDUCTOR DRIVES	25	47	3
14VV1A0232	RT32027	POWER ELECTRONICS LAB	20	40	2
14VV1A0232	RT32028	ELECTRICAL MEASUREMENTS LAB	20	40	2
14VV1A0233	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	34	3
14VV1A0233	RT32022	SWITCHGEAR AND PROTECTION	21	48	3
14VV1A0233	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	42	3
14VV1A0233	RT32024	POWER SYSTEM ANALYSIS	21	30	3
14VV1A0233	RT32025	MANAGEMENT SCIENCE	24	53	3
14VV1A0233	RT32026	POWER SEMICONDUCTOR DRIVES	22	36	3
14VV1A0233	RT32027	POWER ELECTRONICS LAB	21	27	2
14VV1A0233	RT32028	ELECTRICAL MEASUREMENTS LAB	19	34	2
14VV1A0234	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	36	3
14VV1A0234	RT32022	SWITCHGEAR AND PROTECTION	20	44	3
14VV1A0234	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	34	3
14VV1A0234	RT32024	POWER SYSTEM ANALYSIS	18	41	3
14VV1A0234	RT32025	MANAGEMENT SCIENCE	22	53	3
14VV1A0234	RT32026	POWER SEMICONDUCTOR DRIVES	19	42	3
14VV1A0234	RT32027	POWER ELECTRONICS LAB	16	26	2
14VV1A0234	RT32028	ELECTRICAL MEASUREMENTS LAB	17	34	2
14VV1A0236	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	36	3
14VV1A0236	RT32022	SWITCHGEAR AND PROTECTION	18	54	3
14VV1A0236	RT32023	UTILIZATION OF ELECTRICAL ENERGY	21	59	3
14VV1A0236	RT32024	POWER SYSTEM ANALYSIS	17	34	3
14VV1A0236	RT32025	MANAGEMENT SCIENCE	22	53	3
14VV1A0236	RT32026	POWER SEMICONDUCTOR DRIVES	18	37	3
14VV1A0236	RT32027	POWER ELECTRONICS LAB	21	33	2
14VV1A0236	RT32028	ELECTRICAL MEASUREMENTS LAB	20	39	2
14VV1A0237	RT32021	MICROPROCESSORS & MICROCONTROLLERS	20	40	3
14VV1A0237	RT32022	SWITCHGEAR AND PROTECTION	16	52	3
14VV1A0237	RT32023	UTILIZATION OF ELECTRICAL ENERGY	20	26	3
14VV1A0237	RT32024	POWER SYSTEM ANALYSIS	19	37	3
14VV1A0237	RT32025	MANAGEMENT SCIENCE	25	52	3
14VV1A0237	RT32026	POWER SEMICONDUCTOR DRIVES	20	46	3
14VV1A0237	RT32027	POWER ELECTRONICS LAB	19	29	2
14VV1A0237	RT32028	ELECTRICAL MEASUREMENTS LAB	20	35	2
14VV1A0238	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	40	3
14VV1A0238	RT32022	SWITCHGEAR AND PROTECTION	25	50	3
14VV1A0238	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	45	3
14VV1A0238	RT32024	POWER SYSTEM ANALYSIS	21	41	3
14VV1A0238	RT32025	MANAGEMENT SCIENCE	23	56	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0238	RT32026	POWER SEMICONDUCTOR DRIVES	24	42	3
14VV1A0238	RT32027	POWER ELECTRONICS LAB	21	29	2
14VV1A0238	RT32028	ELECTRICAL MEASUREMENTS LAB	16	39	2
14VV1A0239	RT32021	MICROPROCESSORS & MICROCONTROLLERS	20	34	3
14VV1A0239	RT32022	SWITCHGEAR AND PROTECTION	22	57	3
14VV1A0239	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	50	3
14VV1A0239	RT32024	POWER SYSTEM ANALYSIS	21	39	3
14VV1A0239	RT32025	MANAGEMENT SCIENCE	24	59	3
14VV1A0239	RT32026	POWER SEMICONDUCTOR DRIVES	22	54	3
14VV1A0239	RT32027	POWER ELECTRONICS LAB	21	40	2
14VV1A0239	RT32028	ELECTRICAL MEASUREMENTS LAB	21	43	2
14VV1A0240	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	44	3
14VV1A0240	RT32022	SWITCHGEAR AND PROTECTION	23	50	3
14VV1A0240	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	47	3
14VV1A0240	RT32024	POWER SYSTEM ANALYSIS	19	56	3
14VV1A0240	RT32025	MANAGEMENT SCIENCE	24	50	3
14VV1A0240	RT32026	POWER SEMICONDUCTOR DRIVES	20	45	3
14VV1A0240	RT32027	POWER ELECTRONICS LAB	22	35	2
14VV1A0240	RT32028	ELECTRICAL MEASUREMENTS LAB	16	44	2
14VV1A0241	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	29	3
14VV1A0241	RT32022	SWITCHGEAR AND PROTECTION	22	39	3
14VV1A0241	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	38	3
14VV1A0241	RT32024	POWER SYSTEM ANALYSIS	20	31	3
14VV1A0241	RT32025	MANAGEMENT SCIENCE	21	49	3
14VV1A0241	RT32026	POWER SEMICONDUCTOR DRIVES	21	36	3
14VV1A0241	RT32027	POWER ELECTRONICS LAB	19	33	2
14VV1A0241	RT32028	ELECTRICAL MEASUREMENTS LAB	18	31	2
14VV1A0242	RT32021	MICROPROCESSORS & MICROCONTROLLERS	17	30	3
14VV1A0242	RT32022	SWITCHGEAR AND PROTECTION	21	51	3
14VV1A0242	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	37	3
14VV1A0242	RT32024	POWER SYSTEM ANALYSIS	19	30	3
14VV1A0242	RT32025	MANAGEMENT SCIENCE	21	48	3
14VV1A0242	RT32026	POWER SEMICONDUCTOR DRIVES	21	31	3
14VV1A0242	RT32027	POWER ELECTRONICS LAB	22	28	2
14VV1A0242	RT32028	ELECTRICAL MEASUREMENTS LAB	20	30	2
14VV1A0243	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	44	3
14VV1A0243	RT32022	SWITCHGEAR AND PROTECTION	26	44	3
14VV1A0243	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	45	3
14VV1A0243	RT32024	POWER SYSTEM ANALYSIS	21	35	3
14VV1A0243	RT32025	MANAGEMENT SCIENCE	24	52	3
14VV1A0243	RT32026	POWER SEMICONDUCTOR DRIVES	22	37	3
14VV1A0243	RT32027	POWER ELECTRONICS LAB	19	26	2
14VV1A0243	RT32028	ELECTRICAL MEASUREMENTS LAB	16	35	2
14VV1A0244	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	36	3
14VV1A0244	RT32022	SWITCHGEAR AND PROTECTION	27	46	3
14VV1A0244	RT32023	UTILIZATION OF ELECTRICAL ENERGY	26	28	3
14VV1A0244	RT32024	POWER SYSTEM ANALYSIS	20	42	3
14VV1A0244	RT32025	MANAGEMENT SCIENCE	24	56	3
14VV1A0244	RT32026	POWER SEMICONDUCTOR DRIVES	22	38	3
14VV1A0244	RT32027	POWER ELECTRONICS LAB	22	41	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0244	RT32028	ELECTRICAL MEASUREMENTS LAB	20	40	2
14VV1A0245	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	48	3
14VV1A0245	RT32022	SWITCHGEAR AND PROTECTION	26	46	3
14VV1A0245	RT32023	UTILIZATION OF ELECTRICAL ENERGY	28	52	3
14VV1A0245	RT32024	POWER SYSTEM ANALYSIS	28	42	3
14VV1A0245	RT32025	MANAGEMENT SCIENCE	25	56	3
14VV1A0245	RT32026	POWER SEMICONDUCTOR DRIVES	26	44	3
14VV1A0245	RT32027	POWER ELECTRONICS LAB	22	45	2
14VV1A0245	RT32028	ELECTRICAL MEASUREMENTS LAB	19	40	2
14VV1A0246	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	42	3
14VV1A0246	RT32022	SWITCHGEAR AND PROTECTION	26	46	3
14VV1A0246	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	48	3
14VV1A0246	RT32024	POWER SYSTEM ANALYSIS	20	49	3
14VV1A0246	RT32025	MANAGEMENT SCIENCE	23	49	3
14VV1A0246	RT32026	POWER SEMICONDUCTOR DRIVES	21	50	3
14VV1A0246	RT32027	POWER ELECTRONICS LAB	21	36	2
14VV1A0246	RT32028	ELECTRICAL MEASUREMENTS LAB	20	43	2
14VV1A0247	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	40	3
14VV1A0247	RT32022	SWITCHGEAR AND PROTECTION	27	53	3
14VV1A0247	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	56	3
14VV1A0247	RT32024	POWER SYSTEM ANALYSIS	21	41	3
14VV1A0247	RT32025	MANAGEMENT SCIENCE	25	55	3
14VV1A0247	RT32026	POWER SEMICONDUCTOR DRIVES	21	45	3
14VV1A0247	RT32027	POWER ELECTRONICS LAB	22	47	2
14VV1A0247	RT32028	ELECTRICAL MEASUREMENTS LAB	22	41	2
14VV1A0248	RT32021	MICROPROCESSORS & MICROCONTROLLERS	19	34	3
14VV1A0248	RT32022	SWITCHGEAR AND PROTECTION	26	35	3
14VV1A0248	RT32023	UTILIZATION OF ELECTRICAL ENERGY	23	37	3
14VV1A0248	RT32024	POWER SYSTEM ANALYSIS	20	31	3
14VV1A0248	RT32025	MANAGEMENT SCIENCE	23	50	3
14VV1A0248	RT32026	POWER SEMICONDUCTOR DRIVES	21	29	3
14VV1A0248	RT32027	POWER ELECTRONICS LAB	17	31	2
14VV1A0248	RT32028	ELECTRICAL MEASUREMENTS LAB	19	27	2
14VV1A0249	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	34	3
14VV1A0249	RT32022	SWITCHGEAR AND PROTECTION	22	50	3
14VV1A0249	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	49	3
14VV1A0249	RT32024	POWER SYSTEM ANALYSIS	21	37	3
14VV1A0249	RT32025	MANAGEMENT SCIENCE	25	54	3
14VV1A0249	RT32026	POWER SEMICONDUCTOR DRIVES	20	39	3
14VV1A0249	RT32027	POWER ELECTRONICS LAB	22	37	2
14VV1A0249	RT32028	ELECTRICAL MEASUREMENTS LAB	21	41	2
14VV1A0250	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	34	3
14VV1A0250	RT32022	SWITCHGEAR AND PROTECTION	17	50	3
14VV1A0250	RT32023	UTILIZATION OF ELECTRICAL ENERGY	24	51	3
14VV1A0250	RT32024	POWER SYSTEM ANALYSIS	19	40	3
14VV1A0250	RT32025	MANAGEMENT SCIENCE	22	53	3
14VV1A0250	RT32026	POWER SEMICONDUCTOR DRIVES	17	35	3
14VV1A0250	RT32027	POWER ELECTRONICS LAB	21	43	2
14VV1A0250	RT32028	ELECTRICAL MEASUREMENTS LAB	21	41	2
14VV1A0251	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	24	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0251	RT32022	SWITCHGEAR AND PROTECTION	14	40	3
14VV1A0251	RT32023	UTILIZATION OF ELECTRICAL ENERGY	21	42	3
14VV1A0251	RT32024	POWER SYSTEM ANALYSIS	20	37	3
14VV1A0251	RT32025	MANAGEMENT SCIENCE	24	47	3
14VV1A0251	RT32026	POWER SEMICONDUCTOR DRIVES	19	48	3
14VV1A0251	RT32027	POWER ELECTRONICS LAB	21	32	2
14VV1A0251	RT32028	ELECTRICAL MEASUREMENTS LAB	22	39	2
14VV1A0252	RT32021	MICROPROCESSORS & MICROCONTROLLERS	27	40	3
14VV1A0252	RT32022	SWITCHGEAR AND PROTECTION	24	40	3
14VV1A0252	RT32023	UTILIZATION OF ELECTRICAL ENERGY	20	42	3
14VV1A0252	RT32024	POWER SYSTEM ANALYSIS	22	39	3
14VV1A0252	RT32025	MANAGEMENT SCIENCE	25	51	3
14VV1A0252	RT32026	POWER SEMICONDUCTOR DRIVES	18	41	3
14VV1A0252	RT32027	POWER ELECTRONICS LAB	20	37	2
14VV1A0252	RT32028	ELECTRICAL MEASUREMENTS LAB	17	45	2
14VV1A0253	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	34	3
14VV1A0253	RT32022	SWITCHGEAR AND PROTECTION	21	52	3
14VV1A0253	RT32023	UTILIZATION OF ELECTRICAL ENERGY	28	41	3
14VV1A0253	RT32024	POWER SYSTEM ANALYSIS	21	30	3
14VV1A0253	RT32025	MANAGEMENT SCIENCE	26	56	3
14VV1A0253	RT32026	POWER SEMICONDUCTOR DRIVES	20	36	3
14VV1A0253	RT32027	POWER ELECTRONICS LAB	24	34	2
14VV1A0253	RT32028	ELECTRICAL MEASUREMENTS LAB	22	44	2
14VV1A0254	RT32021	MICROPROCESSORS & MICROCONTROLLERS	22	24	3
14VV1A0254	RT32022	SWITCHGEAR AND PROTECTION	18	42	3
14VV1A0254	RT32023	UTILIZATION OF ELECTRICAL ENERGY	22	48	3
14VV1A0254	RT32024	POWER SYSTEM ANALYSIS	17	30	3
14VV1A0254	RT32025	MANAGEMENT SCIENCE	24	48	3
14VV1A0254	RT32026	POWER SEMICONDUCTOR DRIVES	17	31	3
14VV1A0254	RT32027	POWER ELECTRONICS LAB	18	36	2
14VV1A0254	RT32028	ELECTRICAL MEASUREMENTS LAB	20	29	2
14VV1A0255	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	32	3
14VV1A0255	RT32022	SWITCHGEAR AND PROTECTION	19	42	3
14VV1A0255	RT32023	UTILIZATION OF ELECTRICAL ENERGY	22	46	3
14VV1A0255	RT32024	POWER SYSTEM ANALYSIS	23	38	3
14VV1A0255	RT32025	MANAGEMENT SCIENCE	23	47	3
14VV1A0255	RT32026	POWER SEMICONDUCTOR DRIVES	23	41	3
14VV1A0255	RT32027	POWER ELECTRONICS LAB	21	35	2
14VV1A0255	RT32028	ELECTRICAL MEASUREMENTS LAB	20	44	2
14VV1A0256	RT32021	MICROPROCESSORS & MICROCONTROLLERS	20	24	3
14VV1A0256	RT32022	SWITCHGEAR AND PROTECTION	14	35	3
14VV1A0256	RT32023	UTILIZATION OF ELECTRICAL ENERGY	17	34	3
14VV1A0256	RT32024	POWER SYSTEM ANALYSIS	16	24	3
14VV1A0256	RT32025	MANAGEMENT SCIENCE	20	46	3
14VV1A0256	RT32026	POWER SEMICONDUCTOR DRIVES	19	33	3
14VV1A0256	RT32027	POWER ELECTRONICS LAB	19	21	2
14VV1A0256	RT32028	ELECTRICAL MEASUREMENTS LAB	19	34	2
14VV1A0301	RT32031	OPERATIONS RESEARCH	21	49	3
14VV1A0301	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	38	3
14VV1A0301	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	19	40	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0301	RT32034	ROBOTICS	23	49	3
14VV1A0301	RT32035	HEAT TRANSFER	19	53	3
14VV1A0301	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	46	3
14VV1A0301	RT32037A	REFRIGERATION & AIR CONDITIONING	16	39	3
14VV1A0301	RT32038	HEAT TRANSFER LAB	20	23	2
14VV1A0302	RT32031	OPERATIONS RESEARCH	10	31	3
14VV1A0302	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	24	3
14VV1A0302	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	11	29	3
14VV1A0302	RT32034	ROBOTICS	12	38	3
14VV1A0302	RT32035	HEAT TRANSFER	8	19	0
14VV1A0302	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	10	37	3
14VV1A0302	RT32037A	REFRIGERATION & AIR CONDITIONING	12	28	3
14VV1A0302	RT32038	HEAT TRANSFER LAB	20	12	0
14VV1A0303	RT32031	OPERATIONS RESEARCH	25	45	3
14VV1A0303	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	50	3
14VV1A0303	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	24	62	3
14VV1A0303	RT32034	ROBOTICS	19	47	3
14VV1A0303	RT32035	HEAT TRANSFER	27	52	3
14VV1A0303	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	49	3
14VV1A0303	RT32037A	REFRIGERATION & AIR CONDITIONING	25	48	3
14VV1A0303	RT32038	HEAT TRANSFER LAB	23	47	2
14VV1A0304	RT32031	OPERATIONS RESEARCH	25	45	3
14VV1A0304	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	46	3
14VV1A0304	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	21	51	3
14VV1A0304	RT32034	ROBOTICS	26	52	3
14VV1A0304	RT32035	HEAT TRANSFER	22	54	3
14VV1A0304	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	53	3
14VV1A0304	RT32037A	REFRIGERATION & AIR CONDITIONING	25	55	3
14VV1A0304	RT32038	HEAT TRANSFER LAB	22	21	2
14VV1A0305	RT32031	OPERATIONS RESEARCH	17	40	3
14VV1A0305	RT32032	INTERACTIVE COMPUTER GRAPHICS	17	46	3
14VV1A0305	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	15	44	3
14VV1A0305	RT32034	ROBOTICS	17	53	3
14VV1A0305	RT32035	HEAT TRANSFER	16	30	3
14VV1A0305	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	46	3
14VV1A0305	RT32037A	REFRIGERATION & AIR CONDITIONING	16	30	3
14VV1A0305	RT32038	HEAT TRANSFER LAB	21	30	2
14VV1A0306	RT32031	OPERATIONS RESEARCH	24	42	3
14VV1A0306	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	44	3
14VV1A0306	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	19	44	3
14VV1A0306	RT32034	ROBOTICS	22	52	3
14VV1A0306	RT32035	HEAT TRANSFER	22	54	3
14VV1A0306	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	49	3
14VV1A0306	RT32037A	REFRIGERATION & AIR CONDITIONING	21	45	3
14VV1A0306	RT32038	HEAT TRANSFER LAB	21	40	2
14VV1A0307	RT32031	OPERATIONS RESEARCH	18	31	3
14VV1A0307	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	36	3
14VV1A0307	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	17	28	3
14VV1A0307	RT32034	ROBOTICS	22	39	3
14VV1A0307	RT32035	HEAT TRANSFER	19	32	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0307	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	42	3
14VV1A0307	RT32037A	REFRIGERATION & AIR CONDITIONING	20	38	3
14VV1A0307	RT32038	HEAT TRANSFER LAB	19	35	2
14VV1A0308	RT32031	OPERATIONS RESEARCH	23	44	3
14VV1A0308	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	44	3
14VV1A0308	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	27	54	3
14VV1A0308	RT32034	ROBOTICS	24	56	3
14VV1A0308	RT32035	HEAT TRANSFER	26	42	3
14VV1A0308	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	43	3
14VV1A0308	RT32037A	REFRIGERATION & AIR CONDITIONING	23	48	3
14VV1A0308	RT32038	HEAT TRANSFER LAB	24	49	2
14VV1A0309	RT32031	OPERATIONS RESEARCH	22	32	3
14VV1A0309	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	28	3
14VV1A0309	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	18	41	3
14VV1A0309	RT32034	ROBOTICS	20	29	3
14VV1A0309	RT32035	HEAT TRANSFER	18	34	3
14VV1A0309	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	21	48	3
14VV1A0309	RT32037A	REFRIGERATION & AIR CONDITIONING	22	28	3
14VV1A0309	RT32038	HEAT TRANSFER LAB	21	46	2
14VV1A0310	RT32031	OPERATIONS RESEARCH	25	42	3
14VV1A0310	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	47	3
14VV1A0310	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	23	47	3
14VV1A0310	RT32034	ROBOTICS	23	52	3
14VV1A0310	RT32035	HEAT TRANSFER	22	54	3
14VV1A0310	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	50	3
14VV1A0310	RT32037A	REFRIGERATION & AIR CONDITIONING	24	52	3
14VV1A0310	RT32038	HEAT TRANSFER LAB	22	47	2
14VV1A0312	RT32031	OPERATIONS RESEARCH	27	47	3
14VV1A0312	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	55	3
14VV1A0312	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	27	55	3
14VV1A0312	RT32034	ROBOTICS	25	49	3
14VV1A0312	RT32035	HEAT TRANSFER	25	65	3
14VV1A0312	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	56	3
14VV1A0312	RT32037A	REFRIGERATION & AIR CONDITIONING	24	49	3
14VV1A0312	RT32038	HEAT TRANSFER LAB	22	42	2
14VV1A0313	RT32031	OPERATIONS RESEARCH	23	40	3
14VV1A0313	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	50	3
14VV1A0313	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	19	45	3
14VV1A0313	RT32034	ROBOTICS	22	45	3
14VV1A0313	RT32035	HEAT TRANSFER	27	40	3
14VV1A0313	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	48	3
14VV1A0313	RT32037A	REFRIGERATION & AIR CONDITIONING	20	40	3
14VV1A0313	RT32038	HEAT TRANSFER LAB	22	49	2
14VV1A0314	RT32031	OPERATIONS RESEARCH	25	43	3
14VV1A0314	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	52	3
14VV1A0314	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	56	3
14VV1A0314	RT32034	ROBOTICS	24	44	3
14VV1A0314	RT32035	HEAT TRANSFER	23	47	3
14VV1A0314	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	51	3
14VV1A0314	RT32037A	REFRIGERATION & AIR CONDITIONING	24	58	3



Htno	Subcode	Subname	Internal	External	Credits
14VV1A0314	RT32038	HEAT TRANSFER LAB	24	48	2
14VV1A0315	RT32031	OPERATIONS RESEARCH	26	51	3
14VV1A0315	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	39	3
14VV1A0315	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	18	42	3
14VV1A0315	RT32034	ROBOTICS	25	49	3
14VV1A0315	RT32035	HEAT TRANSFER	23	44	3
14VV1A0315	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	49	3
14VV1A0315	RT32037A	REFRIGERATION & AIR CONDITIONING	22	37	3
14VV1A0315	RT32038	HEAT TRANSFER LAB	22	47	2
14VV1A0316	RT32031	OPERATIONS RESEARCH	19	41	3
14VV1A0316	RT32032	INTERACTIVE COMPUTER GRAPHICS	16	44	3
14VV1A0316	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	15	42	3
14VV1A0316	RT32034	ROBOTICS	25	52	3
14VV1A0316	RT32035	HEAT TRANSFER	17	37	3
14VV1A0316	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	17	50	3
14VV1A0316	RT32037A	REFRIGERATION & AIR CONDITIONING	12	41	3
14VV1A0316	RT32038	HEAT TRANSFER LAB	17	25	2
14VV1A0317	RT32031	OPERATIONS RESEARCH	21	34	3
14VV1A0317	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	42	3
14VV1A0317	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	23	36	3
14VV1A0317	RT32034	ROBOTICS	20	49	3
14VV1A0317	RT32035	HEAT TRANSFER	14	44	3
14VV1A0317	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	49	3
14VV1A0317	RT32037A	REFRIGERATION & AIR CONDITIONING	12	28	3
14VV1A0317	RT32038	HEAT TRANSFER LAB	20	46	2
14VV1A0318	RT32031	OPERATIONS RESEARCH	21	38	3
14VV1A0318	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	43	3
14VV1A0318	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	22	47	3
14VV1A0318	RT32034	ROBOTICS	24	43	3
14VV1A0318	RT32035	HEAT TRANSFER	21	44	3
14VV1A0318	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	34	3
14VV1A0318	RT32037A	REFRIGERATION & AIR CONDITIONING	16	41	3
14VV1A0318	RT32038	HEAT TRANSFER LAB	19	35	2
14VV1A0319	RT32031	OPERATIONS RESEARCH	23	37	3
14VV1A0319	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	31	3
14VV1A0319	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	20	42	3
14VV1A0319	RT32034	ROBOTICS	19	41	3
14VV1A0319	RT32035	HEAT TRANSFER	23	28	3
14VV1A0319	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	45	3
14VV1A0319	RT32037A	REFRIGERATION & AIR CONDITIONING	18	44	3
14VV1A0319	RT32038	HEAT TRANSFER LAB	20	46	2
14VV1A0320	RT32031	OPERATIONS RESEARCH	19	41	3
14VV1A0320	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	36	3
14VV1A0320	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	20	31	3
14VV1A0320	RT32034	ROBOTICS	21	46	3
14VV1A0320	RT32035	HEAT TRANSFER	18	43	3
14VV1A0320	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	22	48	3
14VV1A0320	RT32037A	REFRIGERATION & AIR CONDITIONING	16	30	3
14VV1A0320	RT32038	HEAT TRANSFER LAB	20	38	2
14VV1A0321	RT32031	OPERATIONS RESEARCH	25	32	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0321	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	29	3
14VV1A0321	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	24	44	3
14VV1A0321	RT32034	ROBOTICS	17	42	3
14VV1A0321	RT32035	HEAT TRANSFER	16	46	3
14VV1A0321	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	52	3
14VV1A0321	RT32037A	REFRIGERATION & AIR CONDITIONING	15	25	3
14VV1A0321	RT32038	HEAT TRANSFER LAB	20	42	2
14VV1A0322	RT32031	OPERATIONS RESEARCH	27	-1	0
14VV1A0322	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	-1	0
14VV1A0322	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	26	-1	0
14VV1A0322	RT32034	ROBOTICS	27	49	3
14VV1A0322	RT32035	HEAT TRANSFER	26	44	3
14VV1A0322	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	54	3
14VV1A0322	RT32037A	REFRIGERATION & AIR CONDITIONING	17	53	3
14VV1A0322	RT32038	HEAT TRANSFER LAB	24	49	2
14VV1A0323	RT32031	OPERATIONS RESEARCH	19	42	3
14VV1A0323	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	39	3
14VV1A0323	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	46	3
14VV1A0323	RT32034	ROBOTICS	21	48	3
14VV1A0323	RT32035	HEAT TRANSFER	23	56	3
14VV1A0323	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	44	3
14VV1A0323	RT32037A	REFRIGERATION & AIR CONDITIONING	19	39	3
14VV1A0323	RT32038	HEAT TRANSFER LAB	20	42	2
14VV1A0324	RT32031	OPERATIONS RESEARCH	26	51	3
14VV1A0324	RT32032	INTERACTIVE COMPUTER GRAPHICS	27	57	3
14VV1A0324	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	58	3
14VV1A0324	RT32034	ROBOTICS	25	56	3
14VV1A0324	RT32035	HEAT TRANSFER	26	62	3
14VV1A0324	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	29	54	3
14VV1A0324	RT32037A	REFRIGERATION & AIR CONDITIONING	25	59	3
14VV1A0324	RT32038	HEAT TRANSFER LAB	24	49	2
14VV1A0326	RT32031	OPERATIONS RESEARCH	24	39	3
14VV1A0326	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	30	3
14VV1A0326	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	22	41	3
14VV1A0326	RT32034	ROBOTICS	24	41	3
14VV1A0326	RT32035	HEAT TRANSFER	20	34	3
14VV1A0326	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	53	3
14VV1A0326	RT32037A	REFRIGERATION & AIR CONDITIONING	18	35	3
14VV1A0326	RT32038	HEAT TRANSFER LAB	20	44	2
14VV1A0327	RT32031	OPERATIONS RESEARCH	25	44	3
14VV1A0327	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	43	3
14VV1A0327	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	24	52	3
14VV1A0327	RT32034	ROBOTICS	22	51	3
14VV1A0327	RT32035	HEAT TRANSFER	27	66	3
14VV1A0327	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	29	45	3
14VV1A0327	RT32037A	REFRIGERATION & AIR CONDITIONING	24	48	3
14VV1A0327	RT32038	HEAT TRANSFER LAB	23	48	2
14VV1A0328	RT32031	OPERATIONS RESEARCH	23	50	3
14VV1A0328	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	47	3
14VV1A0328	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	26	48	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0328	RT32034	ROBOTICS	23	49	3
14VV1A0328	RT32035	HEAT TRANSFER	25	58	3
14VV1A0328	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	48	3
14VV1A0328	RT32037A	REFRIGERATION & AIR CONDITIONING	23	49	3
14VV1A0328	RT32038	HEAT TRANSFER LAB	22	48	2
14VV1A0329	RT32031	OPERATIONS RESEARCH	24	32	3
14VV1A0329	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	45	3
14VV1A0329	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	24	34	3
14VV1A0329	RT32034	ROBOTICS	21	42	3
14VV1A0329	RT32035	HEAT TRANSFER	25	41	3
14VV1A0329	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	35	3
14VV1A0329	RT32037A	REFRIGERATION & AIR CONDITIONING	23	35	3
14VV1A0329	RT32038	HEAT TRANSFER LAB	21	44	2
14VV1A0330	RT32031	OPERATIONS RESEARCH	24	44	3
14VV1A0330	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	40	3
14VV1A0330	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	27	51	3
14VV1A0330	RT32034	ROBOTICS	21	46	3
14VV1A0330	RT32035	HEAT TRANSFER	24	46	3
14VV1A0330	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	46	3
14VV1A0330	RT32037A	REFRIGERATION & AIR CONDITIONING	22	39	3
14VV1A0330	RT32038	HEAT TRANSFER LAB	21	45	2
14VV1A0331	RT32031	OPERATIONS RESEARCH	23	41	3
14VV1A0331	RT32032	INTERACTIVE COMPUTER GRAPHICS	5	35	3
14VV1A0331	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	49	3
14VV1A0331	RT32034	ROBOTICS	5	46	3
14VV1A0331	RT32035	HEAT TRANSFER	23	48	3
14VV1A0331	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	44	3
14VV1A0331	RT32037A	REFRIGERATION & AIR CONDITIONING	17	38	3
14VV1A0331	RT32038	HEAT TRANSFER LAB	21	48	2
14VV1A0332	RT32031	OPERATIONS RESEARCH	20	41	3
14VV1A0332	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	36	3
14VV1A0332	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	34	3
14VV1A0332	RT32034	ROBOTICS	17	45	3
14VV1A0332	RT32035	HEAT TRANSFER	20	47	3
14VV1A0332	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	37	3
14VV1A0332	RT32037A	REFRIGERATION & AIR CONDITIONING	14	39	3
14VV1A0332	RT32038	HEAT TRANSFER LAB	21	14	0
14VV1A0333	RT32031	OPERATIONS RESEARCH	26	46	3
14VV1A0333	RT32032	INTERACTIVE COMPUTER GRAPHICS	27	47	3
14VV1A0333	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	49	3
14VV1A0333	RT32034	ROBOTICS	24	52	3
14VV1A0333	RT32035	HEAT TRANSFER	25	64	3
14VV1A0333	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	54	3
14VV1A0333	RT32037A	REFRIGERATION & AIR CONDITIONING	21	41	3
14VV1A0333	RT32038	HEAT TRANSFER LAB	22	42	2
14VV1A0334	RT32031	OPERATIONS RESEARCH	23	35	3
14VV1A0334	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	24	3
14VV1A0334	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	28	41	3
14VV1A0334	RT32034	ROBOTICS	22	37	3
14VV1A0334	RT32035	HEAT TRANSFER	20	38	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0334	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	47	3
14VV1A0334	RT32037A	REFRIGERATION & AIR CONDITIONING	19	41	3
14VV1A0334	RT32038	HEAT TRANSFER LAB	22	46	2
14VV1A0335	RT32031	OPERATIONS RESEARCH	13	27	3
14VV1A0335	RT32032	INTERACTIVE COMPUTER GRAPHICS	18	24	3
14VV1A0335	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	13	30	3
14VV1A0335	RT32034	ROBOTICS	15	38	3
14VV1A0335	RT32035	HEAT TRANSFER	10	24	0
14VV1A0335	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	13	39	3
14VV1A0335	RT32037A	REFRIGERATION & AIR CONDITIONING	11	37	3
14VV1A0335	RT32038	HEAT TRANSFER LAB	17	22	2
14VV1A0336	RT32031	OPERATIONS RESEARCH	22	44	3
14VV1A0336	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	42	3
14VV1A0336	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	26	56	3
14VV1A0336	RT32034	ROBOTICS	23	52	3
14VV1A0336	RT32035	HEAT TRANSFER	26	64	3
14VV1A0336	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	53	3
14VV1A0336	RT32037A	REFRIGERATION & AIR CONDITIONING	22	47	3
14VV1A0336	RT32038	HEAT TRANSFER LAB	20	38	2
14VV1A0337	RT32031	OPERATIONS RESEARCH	15	35	3
14VV1A0337	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	26	3
14VV1A0337	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	15	39	3
14VV1A0337	RT32034	ROBOTICS	21	42	3
14VV1A0337	RT32035	HEAT TRANSFER	15	33	3
14VV1A0337	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	44	3
14VV1A0337	RT32037A	REFRIGERATION & AIR CONDITIONING	15	39	3
14VV1A0337	RT32038	HEAT TRANSFER LAB	19	4	0
14VV1A0338	RT32031	OPERATIONS RESEARCH	22	48	3
14VV1A0338	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	46	3
14VV1A0338	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	52	3
14VV1A0338	RT32034	ROBOTICS	23	41	3
14VV1A0338	RT32035	HEAT TRANSFER	22	47	3
14VV1A0338	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	44	3
14VV1A0338	RT32037A	REFRIGERATION & AIR CONDITIONING	21	40	3
14VV1A0338	RT32038	HEAT TRANSFER LAB	21	44	2
14VV1A0340	RT32031	OPERATIONS RESEARCH	25	40	3
14VV1A0340	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	43	3
14VV1A0340	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	53	3
14VV1A0340	RT32034	ROBOTICS	22	38	3
14VV1A0340	RT32035	HEAT TRANSFER	23	49	3
14VV1A0340	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	37	3
14VV1A0340	RT32037A	REFRIGERATION & AIR CONDITIONING	19	35	3
14VV1A0340	RT32038	HEAT TRANSFER LAB	20	45	2
14VV1A0341	RT32031	OPERATIONS RESEARCH	25	46	3
14VV1A0341	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	32	3
14VV1A0341	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	27	63	3
14VV1A0341	RT32034	ROBOTICS	26	55	3
14VV1A0341	RT32035	HEAT TRANSFER	26	64	3
14VV1A0341	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	49	3
14VV1A0341	RT32037A	REFRIGERATION & AIR CONDITIONING	21	50	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0341	RT32038	HEAT TRANSFER LAB	24	48	2
14VV1A0343	RT32031	OPERATIONS RESEARCH	21	46	3
14VV1A0343	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	42	3
14VV1A0343	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	26	54	3
14VV1A0343	RT32034	ROBOTICS	23	42	3
14VV1A0343	RT32035	HEAT TRANSFER	25	42	3
14VV1A0343	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	29	41	3
14VV1A0343	RT32037A	REFRIGERATION & AIR CONDITIONING	23	46	3
14VV1A0343	RT32038	HEAT TRANSFER LAB	20	41	2
14VV1A0344	RT32031	OPERATIONS RESEARCH	25	40	3
14VV1A0344	RT32032	INTERACTIVE COMPUTER GRAPHICS	28	48	3
14VV1A0344	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	27	46	3
14VV1A0344	RT32034	ROBOTICS	21	44	3
14VV1A0344	RT32035	HEAT TRANSFER	27	54	3
14VV1A0344	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	29	47	3
14VV1A0344	RT32037A	REFRIGERATION & AIR CONDITIONING	24	49	3
14VV1A0344	RT32038	HEAT TRANSFER LAB	23	48	2
14VV1A0345	RT32031	OPERATIONS RESEARCH	23	44	3
14VV1A0345	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	39	3
14VV1A0345	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	27	45	3
14VV1A0345	RT32034	ROBOTICS	21	47	3
14VV1A0345	RT32035	HEAT TRANSFER	19	50	3
14VV1A0345	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	49	3
14VV1A0345	RT32037A	REFRIGERATION & AIR CONDITIONING	17	29	3
14VV1A0345	RT32038	HEAT TRANSFER LAB	20	43	2
14VV1A0346	RT32031	OPERATIONS RESEARCH	15	34	3
14VV1A0346	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	24	3
14VV1A0346	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	25	3
14VV1A0346	RT32034	ROBOTICS	24	34	3
14VV1A0346	RT32035	HEAT TRANSFER	22	13	0
14VV1A0346	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	31	3
14VV1A0346	RT32037A	REFRIGERATION & AIR CONDITIONING	15	17	0
14VV1A0346	RT32038	HEAT TRANSFER LAB	19	30	2
14VV1A0347	RT32031	OPERATIONS RESEARCH	20	40	3
14VV1A0347	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	35	3
14VV1A0347	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	21	36	3
14VV1A0347	RT32034	ROBOTICS	22	38	3
14VV1A0347	RT32035	HEAT TRANSFER	17	29	3
14VV1A0347	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	44	3
14VV1A0347	RT32037A	REFRIGERATION & AIR CONDITIONING	13	34	3
14VV1A0347	RT32038	HEAT TRANSFER LAB	20	40	2
14VV1A0348	RT32031	OPERATIONS RESEARCH	26	44	3
14VV1A0348	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	39	3
14VV1A0348	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	22	48	3
14VV1A0348	RT32034	ROBOTICS	26	47	3
14VV1A0348	RT32035	HEAT TRANSFER	23	50	3
14VV1A0348	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	51	3
14VV1A0348	RT32037A	REFRIGERATION & AIR CONDITIONING	22	38	3
14VV1A0348	RT32038	HEAT TRANSFER LAB	23	45	2
14VV1A0349	RT32031	OPERATIONS RESEARCH	23	45	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0349	RT32032	INTERACTIVE COMPUTER GRAPHICS	21	43	3
14VV1A0349	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	23	45	3
14VV1A0349	RT32034	ROBOTICS	22	46	3
14VV1A0349	RT32035	HEAT TRANSFER	23	49	3
14VV1A0349	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	40	3
14VV1A0349	RT32037A	REFRIGERATION & AIR CONDITIONING	21	44	3
14VV1A0349	RT32038	HEAT TRANSFER LAB	20	41	2
14VV1A0350	RT32031	OPERATIONS RESEARCH	27	53	3
14VV1A0350	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	39	3
14VV1A0350	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	50	3
14VV1A0350	RT32034	ROBOTICS	20	44	3
14VV1A0350	RT32035	HEAT TRANSFER	24	50	3
14VV1A0350	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	29	52	3
14VV1A0350	RT32037A	REFRIGERATION & AIR CONDITIONING	18	39	3
14VV1A0350	RT32038	HEAT TRANSFER LAB	21	44	2
14VV1A0351	RT32031	OPERATIONS RESEARCH	23	29	3
14VV1A0351	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	25	3
14VV1A0351	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	19	44	3
14VV1A0351	RT32034	ROBOTICS	17	38	3
14VV1A0351	RT32035	HEAT TRANSFER	22	37	3
14VV1A0351	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	23	39	3
14VV1A0351	RT32037A	REFRIGERATION & AIR CONDITIONING	16	41	3
14VV1A0351	RT32038	HEAT TRANSFER LAB	20	40	2
14VV1A0352	RT32031	OPERATIONS RESEARCH	18	38	3
14VV1A0352	RT32032	INTERACTIVE COMPUTER GRAPHICS	28	32	3
14VV1A0352	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	22	48	3
14VV1A0352	RT32034	ROBOTICS	24	49	3
14VV1A0352	RT32035	HEAT TRANSFER	21	32	3
14VV1A0352	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	29	47	3
14VV1A0352	RT32037A	REFRIGERATION & AIR CONDITIONING	22	58	3
14VV1A0352	RT32038	HEAT TRANSFER LAB	19	38	2
14VV1A0353	RT32031	OPERATIONS RESEARCH	23	42	3
14VV1A0353	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	40	3
14VV1A0353	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	21	34	3
14VV1A0353	RT32034	ROBOTICS	19	42	3
14VV1A0353	RT32035	HEAT TRANSFER	18	47	3
14VV1A0353	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	45	3
14VV1A0353	RT32037A	REFRIGERATION & AIR CONDITIONING	17	25	3
14VV1A0353	RT32038	HEAT TRANSFER LAB	22	46	2
14VV1A0354	RT32031	OPERATIONS RESEARCH	22	41	3
14VV1A0354	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	53	3
14VV1A0354	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	22	41	3
14VV1A0354	RT32034	ROBOTICS	24	49	3
14VV1A0354	RT32035	HEAT TRANSFER	21	57	3
14VV1A0354	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	47	3
14VV1A0354	RT32037A	REFRIGERATION & AIR CONDITIONING	18	49	3
14VV1A0354	RT32038	HEAT TRANSFER LAB	19	19	2
14VV1A0355	RT32031	OPERATIONS RESEARCH	27	49	3
14VV1A0355	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	49	3
14VV1A0355	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	44	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0355	RT32034	ROBOTICS	24	52	3
14VV1A0355	RT32035	HEAT TRANSFER	22	58	3
14VV1A0355	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	51	3
14VV1A0355	RT32037A	REFRIGERATION & AIR CONDITIONING	24	53	3
14VV1A0355	RT32038	HEAT TRANSFER LAB	23	46	2
14VV1A0357	RT32031	OPERATIONS RESEARCH	19	40	3
14VV1A0357	RT32032	INTERACTIVE COMPUTER GRAPHICS	24	48	3
14VV1A0357	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	22	37	3
14VV1A0357	RT32034	ROBOTICS	19	50	3
14VV1A0357	RT32035	HEAT TRANSFER	21	40	3
14VV1A0357	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	45	3
14VV1A0357	RT32037A	REFRIGERATION & AIR CONDITIONING	15	37	3
14VV1A0357	RT32038	HEAT TRANSFER LAB	20	29	2
14VV1A0358	RT32031	OPERATIONS RESEARCH	24	32	3
14VV1A0358	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	42	3
14VV1A0358	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	21	33	3
14VV1A0358	RT32034	ROBOTICS	21	40	3
14VV1A0358	RT32035	HEAT TRANSFER	21	36	3
14VV1A0358	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	44	3
14VV1A0358	RT32037A	REFRIGERATION & AIR CONDITIONING	17	35	3
14VV1A0358	RT32038	HEAT TRANSFER LAB	22	32	2
14VV1A0401	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	25	33	3
14VV1A0401	RT32042	DIGITAL SIGNAL PROCESSING	20	47	3
14VV1A0401	RT32043	DIGITAL COMMUNICATIONS	24	62	3
14VV1A0401	RT32044	MICROWAVE ENGINEERING	20	51	3
14VV1A0401	RT32045A	BIO MEDICAL ENGINEERING	20	50	3
14VV1A0401	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	40	2
14VV1A0401	RT32047	DIGITAL COMMUNICATIONS LAB	21	40	2
14VV1A0401	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	42	2
14VV1A0401	RT32049	SEMINAR	40	0	1
14VV1A0402	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	28	3
14VV1A0402	RT32042	DIGITAL SIGNAL PROCESSING	24	49	3
14VV1A0402	RT32043	DIGITAL COMMUNICATIONS	19	37	3
14VV1A0402	RT32044	MICROWAVE ENGINEERING	19	38	3
14VV1A0402	RT32045A	BIO MEDICAL ENGINEERING	18	32	3
14VV1A0402	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
14VV1A0402	RT32047	DIGITAL COMMUNICATIONS LAB	21	42	2
14VV1A0402	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	44	2
14VV1A0402	RT32049	SEMINAR	42	0	1
14VV1A0403	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	37	3
14VV1A0403	RT32042	DIGITAL SIGNAL PROCESSING	17	52	3
14VV1A0403	RT32043	DIGITAL COMMUNICATIONS	27	68	3
14VV1A0403	RT32044	MICROWAVE ENGINEERING	21	48	3
14VV1A0403	RT32045A	BIO MEDICAL ENGINEERING	22	56	3
14VV1A0403	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
14VV1A0403	RT32047	DIGITAL COMMUNICATIONS LAB	20	40	2
14VV1A0403	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	39	2
14VV1A0403	RT32049	SEMINAR	43	0	1
14VV1A0404	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	31	3
14VV1A0404	RT32042	DIGITAL SIGNAL PROCESSING	21	46	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0404	RT32043	DIGITAL COMMUNICATIONS	24	50	3
14VV1A0404	RT32044	MICROWAVE ENGINEERING	20	48	3
14VV1A0404	RT32045A	BIO MEDICAL ENGINEERING	24	39	3
14VV1A0404	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	41	2
14VV1A0404	RT32047	DIGITAL COMMUNICATIONS LAB	21	42	2
14VV1A0404	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	38	2
14VV1A0404	RT32049	SEMINAR	42	0	1
14VV1A0405	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	25	34	3
14VV1A0405	RT32042	DIGITAL SIGNAL PROCESSING	20	43	3
14VV1A0405	RT32043	DIGITAL COMMUNICATIONS	23	60	3
14VV1A0405	RT32044	MICROWAVE ENGINEERING	20	50	3
14VV1A0405	RT32045A	BIO MEDICAL ENGINEERING	18	40	3
14VV1A0405	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
14VV1A0405	RT32047	DIGITAL COMMUNICATIONS LAB	22	41	2
14VV1A0405	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	44	2
14VV1A0405	RT32049	SEMINAR	47	0	1
14VV1A0406	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	28	3
14VV1A0406	RT32042	DIGITAL SIGNAL PROCESSING	20	48	3
14VV1A0406	RT32043	DIGITAL COMMUNICATIONS	28	58	3
14VV1A0406	RT32044	MICROWAVE ENGINEERING	19	49	3
14VV1A0406	RT32045A	BIO MEDICAL ENGINEERING	18	40	3
14VV1A0406	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	38	2
14VV1A0406	RT32047	DIGITAL COMMUNICATIONS LAB	20	47	2
14VV1A0406	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	42	2
14VV1A0406	RT32049	SEMINAR	42	0	1
14VV1A0407	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	31	3
14VV1A0407	RT32042	DIGITAL SIGNAL PROCESSING	21	49	3
14VV1A0407	RT32043	DIGITAL COMMUNICATIONS	26	63	3
14VV1A0407	RT32044	MICROWAVE ENGINEERING	19	46	3
14VV1A0407	RT32045A	BIO MEDICAL ENGINEERING	22	25	3
14VV1A0407	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
14VV1A0407	RT32047	DIGITAL COMMUNICATIONS LAB	23	42	2
14VV1A0407	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
14VV1A0407	RT32049	SEMINAR	41	0	1
14VV1A0408	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	27	3
14VV1A0408	RT32042	DIGITAL SIGNAL PROCESSING	13	42	3
14VV1A0408	RT32043	DIGITAL COMMUNICATIONS	27	65	3
14VV1A0408	RT32044	MICROWAVE ENGINEERING	23	57	3
14VV1A0408	RT32045A	BIO MEDICAL ENGINEERING	18	35	3
14VV1A0408	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	38	2
14VV1A0408	RT32047	DIGITAL COMMUNICATIONS LAB	22	43	2
14VV1A0408	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
14VV1A0408	RT32049	SEMINAR	40	0	1
14VV1A0409	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	30	3
14VV1A0409	RT32042	DIGITAL SIGNAL PROCESSING	14	44	3
14VV1A0409	RT32043	DIGITAL COMMUNICATIONS	16	48	3
14VV1A0409	RT32044	MICROWAVE ENGINEERING	19	43	3
14VV1A0409	RT32045A	BIO MEDICAL ENGINEERING	20	36	3
14VV1A0409	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	38	2
14VV1A0409	RT32047	DIGITAL COMMUNICATIONS LAB	21	38	2



Htno	Subcode	Subname	Internal	External	Credits
14VV1A0409	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	28	2
14VV1A0409	RT32049	SEMINAR	40	0	1
14VV1A0410	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	36	3
14VV1A0410	RT32042	DIGITAL SIGNAL PROCESSING	19	51	3
14VV1A0410	RT32043	DIGITAL COMMUNICATIONS	26	54	3
14VV1A0410	RT32044	MICROWAVE ENGINEERING	22	49	3
14VV1A0410	RT32045A	BIO MEDICAL ENGINEERING	25	41	3
14VV1A0410	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
14VV1A0410	RT32047	DIGITAL COMMUNICATIONS LAB	22	40	2
14VV1A0410	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	42	2
14VV1A0410	RT32049	SEMINAR	42	0	1
14VV1A0411	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	37	3
14VV1A0411	RT32042	DIGITAL SIGNAL PROCESSING	17	35	3
14VV1A0411	RT32043	DIGITAL COMMUNICATIONS	22	55	3
14VV1A0411	RT32044	MICROWAVE ENGINEERING	18	36	3
14VV1A0411	RT32045A	BIO MEDICAL ENGINEERING	19	35	3
14VV1A0411	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
14VV1A0411	RT32047	DIGITAL COMMUNICATIONS LAB	21	42	2
14VV1A0411	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	40	2
14VV1A0411	RT32049	SEMINAR	47	0	1
14VV1A0412	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	27	44	3
14VV1A0412	RT32042	DIGITAL SIGNAL PROCESSING	22	56	3
14VV1A0412	RT32043	DIGITAL COMMUNICATIONS	26	61	3
14VV1A0412	RT32044	MICROWAVE ENGINEERING	26	50	3
14VV1A0412	RT32045A	BIO MEDICAL ENGINEERING	23	45	3
14VV1A0412	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2
14VV1A0412	RT32047	DIGITAL COMMUNICATIONS LAB	22	40	2
14VV1A0412	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	44	2
14VV1A0412	RT32049	SEMINAR	40	0	1
14VV1A0413	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	26	3
14VV1A0413	RT32042	DIGITAL SIGNAL PROCESSING	22	51	3
14VV1A0413	RT32043	DIGITAL COMMUNICATIONS	22	64	3
14VV1A0413	RT32044	MICROWAVE ENGINEERING	23	52	3
14VV1A0413	RT32045A	BIO MEDICAL ENGINEERING	22	31	3
14VV1A0413	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	41	2
14VV1A0413	RT32047	DIGITAL COMMUNICATIONS LAB	23	45	2
14VV1A0413	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	44	2
14VV1A0413	RT32049	SEMINAR	42	0	1
14VV1A0414	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	25	33	3
14VV1A0414	RT32042	DIGITAL SIGNAL PROCESSING	21	36	3
14VV1A0414	RT32043	DIGITAL COMMUNICATIONS	19	47	3
14VV1A0414	RT32044	MICROWAVE ENGINEERING	18	46	3
14VV1A0414	RT32045A	BIO MEDICAL ENGINEERING	20	39	3
14VV1A0414	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	41	2
14VV1A0414	RT32047	DIGITAL COMMUNICATIONS LAB	21	40	2
14VV1A0414	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	40	2
14VV1A0414	RT32049	SEMINAR	40	0	1
14VV1A0415	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	26	3
14VV1A0415	RT32042	DIGITAL SIGNAL PROCESSING	16	40	3
14VV1A0415	RT32043	DIGITAL COMMUNICATIONS	20	43	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0415	RT32044	MICROWAVE ENGINEERING	20	31	3
14VV1A0415	RT32045A	BIO MEDICAL ENGINEERING	18	39	3
14VV1A0415	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	44	2
14VV1A0415	RT32047	DIGITAL COMMUNICATIONS LAB	25	43	2
14VV1A0415	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	41	2
14VV1A0415	RT32049	SEMINAR	40	0	1
14VV1A0416	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	33	3
14VV1A0416	RT32042	DIGITAL SIGNAL PROCESSING	14	36	3
14VV1A0416	RT32043	DIGITAL COMMUNICATIONS	24	46	3
14VV1A0416	RT32044	MICROWAVE ENGINEERING	26	46	3
14VV1A0416	RT32045A	BIO MEDICAL ENGINEERING	18	41	3
14VV1A0416	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	38	2
14VV1A0416	RT32047	DIGITAL COMMUNICATIONS LAB	22	40	2
14VV1A0416	RT32048	DIGITAL SIGNAL PROCESSING LAB	20	40	2
14VV1A0416	RT32049	SEMINAR	42	0	1
14VV1A0417	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	26	3
14VV1A0417	RT32042	DIGITAL SIGNAL PROCESSING	23	45	3
14VV1A0417	RT32043	DIGITAL COMMUNICATIONS	24	57	3
14VV1A0417	RT32044	MICROWAVE ENGINEERING	25	50	3
14VV1A0417	RT32045A	BIO MEDICAL ENGINEERING	19	31	3
14VV1A0417	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	38	2
14VV1A0417	RT32047	DIGITAL COMMUNICATIONS LAB	21	42	2
14VV1A0417	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	44	2
14VV1A0417	RT32049	SEMINAR	40	0	1
14VV1A0418	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	33	3
14VV1A0418	RT32042	DIGITAL SIGNAL PROCESSING	24	48	3
14VV1A0418	RT32043	DIGITAL COMMUNICATIONS	25	58	3
14VV1A0418	RT32044	MICROWAVE ENGINEERING	27	51	3
14VV1A0418	RT32045A	BIO MEDICAL ENGINEERING	23	33	3
14VV1A0418	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	48	2
14VV1A0418	RT32047	DIGITAL COMMUNICATIONS LAB	25	45	2
14VV1A0418	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	43	2
14VV1A0418	RT32049	SEMINAR	42	0	1
14VV1A0419	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	35	3
14VV1A0419	RT32042	DIGITAL SIGNAL PROCESSING	24	40	3
14VV1A0419	RT32043	DIGITAL COMMUNICATIONS	26	62	3
14VV1A0419	RT32044	MICROWAVE ENGINEERING	29	51	3
14VV1A0419	RT32045A	BIO MEDICAL ENGINEERING	28	43	3
14VV1A0419	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	41	2
14VV1A0419	RT32047	DIGITAL COMMUNICATIONS LAB	21	45	2
14VV1A0419	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	45	2
14VV1A0419	RT32049	SEMINAR	44	0	1
14VV1A0420	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	29	3
14VV1A0420	RT32042	DIGITAL SIGNAL PROCESSING	21	46	3
14VV1A0420	RT32043	DIGITAL COMMUNICATIONS	26	42	3
14VV1A0420	RT32044	MICROWAVE ENGINEERING	26	44	3
14VV1A0420	RT32045A	BIO MEDICAL ENGINEERING	21	25	3
14VV1A0420	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	27	2
14VV1A0420	RT32047	DIGITAL COMMUNICATIONS LAB	22	42	2
14VV1A0420	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	45	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0420	RT32049	SEMINAR	40	0	1
14VV1A0421	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	35	3
14VV1A0421	RT32042	DIGITAL SIGNAL PROCESSING	25	43	3
14VV1A0421	RT32043	DIGITAL COMMUNICATIONS	25	65	3
14VV1A0421	RT32044	MICROWAVE ENGINEERING	26	65	3
14VV1A0421	RT32045A	BIO MEDICAL ENGINEERING	26	49	3
14VV1A0421	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
14VV1A0421	RT32047	DIGITAL COMMUNICATIONS LAB	22	44	2
14VV1A0421	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	45	2
14VV1A0421	RT32049	SEMINAR	47	0	1
14VV1A0422	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	37	3
14VV1A0422	RT32042	DIGITAL SIGNAL PROCESSING	24	50	3
14VV1A0422	RT32043	DIGITAL COMMUNICATIONS	24	65	3
14VV1A0422	RT32044	MICROWAVE ENGINEERING	24	52	3
14VV1A0422	RT32045A	BIO MEDICAL ENGINEERING	18	48	3
14VV1A0422	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	38	2
14VV1A0422	RT32047	DIGITAL COMMUNICATIONS LAB	20	42	2
14VV1A0422	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	43	2
14VV1A0422	RT32049	SEMINAR	40	0	1
14VV1A0423	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	41	3
14VV1A0423	RT32042	DIGITAL SIGNAL PROCESSING	24	45	3
14VV1A0423	RT32043	DIGITAL COMMUNICATIONS	25	59	3
14VV1A0423	RT32044	MICROWAVE ENGINEERING	26	41	3
14VV1A0423	RT32045A	BIO MEDICAL ENGINEERING	25	46	3
14VV1A0423	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	42	2
14VV1A0423	RT32047	DIGITAL COMMUNICATIONS LAB	21	41	2
14VV1A0423	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	45	2
14VV1A0423	RT32049	SEMINAR	47	0	1
14VV1A0424	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	42	3
14VV1A0424	RT32042	DIGITAL SIGNAL PROCESSING	25	54	3
14VV1A0424	RT32043	DIGITAL COMMUNICATIONS	27	65	3
14VV1A0424	RT32044	MICROWAVE ENGINEERING	29	53	3
14VV1A0424	RT32045A	BIO MEDICAL ENGINEERING	27	44	3
14VV1A0424	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
14VV1A0424	RT32047	DIGITAL COMMUNICATIONS LAB	22	47	2
14VV1A0424	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	45	2
14VV1A0424	RT32049	SEMINAR	48	0	1
14VV1A0425	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	37	3
14VV1A0425	RT32042	DIGITAL SIGNAL PROCESSING	22	35	3
14VV1A0425	RT32043	DIGITAL COMMUNICATIONS	21	56	3
14VV1A0425	RT32044	MICROWAVE ENGINEERING	29	44	3
14VV1A0425	RT32045A	BIO MEDICAL ENGINEERING	20	27	3
14VV1A0425	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2
14VV1A0425	RT32047	DIGITAL COMMUNICATIONS LAB	23	39	2
14VV1A0425	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	40	2
14VV1A0425	RT32049	SEMINAR	40	0	1
14VV1A0426	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	35	3
14VV1A0426	RT32042	DIGITAL SIGNAL PROCESSING	16	50	3
14VV1A0426	RT32043	DIGITAL COMMUNICATIONS	24	57	3
14VV1A0426	RT32044	MICROWAVE ENGINEERING	21	39	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0426	RT32045A	BIO MEDICAL ENGINEERING	18	27	3
14VV1A0426	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	43	2
14VV1A0426	RT32047	DIGITAL COMMUNICATIONS LAB	19	42	2
14VV1A0426	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	41	2
14VV1A0426	RT32049	SEMINAR	42	0	1
14VV1A0427	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	40	3
14VV1A0427	RT32042	DIGITAL SIGNAL PROCESSING	17	41	3
14VV1A0427	RT32043	DIGITAL COMMUNICATIONS	19	52	3
14VV1A0427	RT32044	MICROWAVE ENGINEERING	23	42	3
14VV1A0427	RT32045A	BIO MEDICAL ENGINEERING	19	33	3
14VV1A0427	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	43	2
14VV1A0427	RT32047	DIGITAL COMMUNICATIONS LAB	25	47	2
14VV1A0427	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	42	2
14VV1A0427	RT32049	SEMINAR	42	0	1
14VV1A0428	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	27	3
14VV1A0428	RT32042	DIGITAL SIGNAL PROCESSING	16	30	3
14VV1A0428	RT32043	DIGITAL COMMUNICATIONS	15	42	3
14VV1A0428	RT32044	MICROWAVE ENGINEERING	21	42	3
14VV1A0428	RT32045A	BIO MEDICAL ENGINEERING	16	18	0
14VV1A0428	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	37	2
14VV1A0428	RT32047	DIGITAL COMMUNICATIONS LAB	17	39	2
14VV1A0428	RT32048	DIGITAL SIGNAL PROCESSING LAB	20	28	2
14VV1A0428	RT32049	SEMINAR	40	0	1
14VV1A0429	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	31	3
14VV1A0429	RT32042	DIGITAL SIGNAL PROCESSING	25	58	3
14VV1A0429	RT32043	DIGITAL COMMUNICATIONS	28	68	3
14VV1A0429	RT32044	MICROWAVE ENGINEERING	23	54	3
14VV1A0429	RT32045A	BIO MEDICAL ENGINEERING	29	49	3
14VV1A0429	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	38	2
14VV1A0429	RT32047	DIGITAL COMMUNICATIONS LAB	20	41	2
14VV1A0429	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	44	2
14VV1A0429	RT32049	SEMINAR	47	0	1
14VV1A0430	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	25	32	3
14VV1A0430	RT32042	DIGITAL SIGNAL PROCESSING	26	48	3
14VV1A0430	RT32043	DIGITAL COMMUNICATIONS	30	65	3
14VV1A0430	RT32044	MICROWAVE ENGINEERING	28	51	3
14VV1A0430	RT32045A	BIO MEDICAL ENGINEERING	25	40	3
14VV1A0430	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	47	2
14VV1A0430	RT32047	DIGITAL COMMUNICATIONS LAB	21	40	2
14VV1A0430	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	45	2
14VV1A0430	RT32049	SEMINAR	47	0	1
14VV1A0431	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	27	32	3
14VV1A0431	RT32042	DIGITAL SIGNAL PROCESSING	22	47	3
14VV1A0431	RT32043	DIGITAL COMMUNICATIONS	26	58	3
14VV1A0431	RT32044	MICROWAVE ENGINEERING	26	49	3
14VV1A0431	RT32045A	BIO MEDICAL ENGINEERING	20	45	3
14VV1A0431	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	43	2
14VV1A0431	RT32047	DIGITAL COMMUNICATIONS LAB	25	40	2
14VV1A0431	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	42	2
14VV1A0431	RT32049	SEMINAR	45	0	1

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0432	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	35	3
14VV1A0432	RT32042	DIGITAL SIGNAL PROCESSING	19	56	3
14VV1A0432	RT32043	DIGITAL COMMUNICATIONS	26	61	3
14VV1A0432	RT32044	MICROWAVE ENGINEERING	28	49	3
14VV1A0432	RT32045A	BIO MEDICAL ENGINEERING	24	42	3
14VV1A0432	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	47	2
14VV1A0432	RT32047	DIGITAL COMMUNICATIONS LAB	23	44	2
14VV1A0432	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	42	2
14VV1A0432	RT32049	SEMINAR	48	0	1
14VV1A0433	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	28	35	3
14VV1A0433	RT32042	DIGITAL SIGNAL PROCESSING	23	45	3
14VV1A0433	RT32043	DIGITAL COMMUNICATIONS	28	65	3
14VV1A0433	RT32044	MICROWAVE ENGINEERING	26	47	3
14VV1A0433	RT32045A	BIO MEDICAL ENGINEERING	28	39	3
14VV1A0433	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
14VV1A0433	RT32047	DIGITAL COMMUNICATIONS LAB	25	44	2
14VV1A0433	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	43	2
14VV1A0433	RT32049	SEMINAR	45	0	1
14VV1A0435	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	30	3
14VV1A0435	RT32042	DIGITAL SIGNAL PROCESSING	17	31	3
14VV1A0435	RT32043	DIGITAL COMMUNICATIONS	17	50	3
14VV1A0435	RT32044	MICROWAVE ENGINEERING	21	29	3
14VV1A0435	RT32045A	BIO MEDICAL ENGINEERING	19	34	3
14VV1A0435	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	41	2
14VV1A0435	RT32047	DIGITAL COMMUNICATIONS LAB	17	36	2
14VV1A0435	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	35	2
14VV1A0435	RT32049	SEMINAR	44	0	1
14VV1A0436	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	24	3
14VV1A0436	RT32042	DIGITAL SIGNAL PROCESSING	18	50	3
14VV1A0436	RT32043	DIGITAL COMMUNICATIONS	22	40	3
14VV1A0436	RT32044	MICROWAVE ENGINEERING	22	45	3
14VV1A0436	RT32045A	BIO MEDICAL ENGINEERING	20	39	3
14VV1A0436	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	41	2
14VV1A0436	RT32047	DIGITAL COMMUNICATIONS LAB	18	41	2
14VV1A0436	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	36	2
14VV1A0436	RT32049	SEMINAR	45	0	1
14VV1A0437	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	27	36	3
14VV1A0437	RT32042	DIGITAL SIGNAL PROCESSING	29	55	3
14VV1A0437	RT32043	DIGITAL COMMUNICATIONS	30	68	3
14VV1A0437	RT32044	MICROWAVE ENGINEERING	28	54	3
14VV1A0437	RT32045A	BIO MEDICAL ENGINEERING	26	51	3
14VV1A0437	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	48	2
14VV1A0437	RT32047	DIGITAL COMMUNICATIONS LAB	25	47	2
14VV1A0437	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	46	2
14VV1A0437	RT32049	SEMINAR	48	0	1
14VV1A0438	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	39	3
14VV1A0438	RT32042	DIGITAL SIGNAL PROCESSING	20	53	3
14VV1A0438	RT32043	DIGITAL COMMUNICATIONS	25	60	3
14VV1A0438	RT32044	MICROWAVE ENGINEERING	24	51	3
14VV1A0438	RT32045A	BIO MEDICAL ENGINEERING	22	54	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0438	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2
14VV1A0438	RT32047	DIGITAL COMMUNICATIONS LAB	25	45	2
14VV1A0438	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	45	2
14VV1A0438	RT32049	SEMINAR	43	0	1
14VV1A0439	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	24	3
14VV1A0439	RT32042	DIGITAL SIGNAL PROCESSING	17	26	3
14VV1A0439	RT32043	DIGITAL COMMUNICATIONS	22	40	3
14VV1A0439	RT32044	MICROWAVE ENGINEERING	24	30	3
14VV1A0439	RT32045A	BIO MEDICAL ENGINEERING	18	40	3
14VV1A0439	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	40	2
14VV1A0439	RT32047	DIGITAL COMMUNICATIONS LAB	22	40	2
14VV1A0439	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	35	2
14VV1A0439	RT32049	SEMINAR	40	0	1
14VV1A0441	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	19	34	3
14VV1A0441	RT32042	DIGITAL SIGNAL PROCESSING	16	44	3
14VV1A0441	RT32043	DIGITAL COMMUNICATIONS	20	32	3
14VV1A0441	RT32044	MICROWAVE ENGINEERING	24	47	3
14VV1A0441	RT32045A	BIO MEDICAL ENGINEERING	18	35	3
14VV1A0441	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	39	2
14VV1A0441	RT32047	DIGITAL COMMUNICATIONS LAB	17	33	2
14VV1A0441	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	35	2
14VV1A0441	RT32049	SEMINAR	40	0	1
14VV1A0442	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	28	3
14VV1A0442	RT32042	DIGITAL SIGNAL PROCESSING	20	45	3
14VV1A0442	RT32043	DIGITAL COMMUNICATIONS	22	56	3
14VV1A0442	RT32044	MICROWAVE ENGINEERING	19	44	3
14VV1A0442	RT32045A	BIO MEDICAL ENGINEERING	18	28	3
14VV1A0442	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	37	2
14VV1A0442	RT32047	DIGITAL COMMUNICATIONS LAB	20	40	2
14VV1A0442	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	41	2
14VV1A0442	RT32049	SEMINAR	40	0	1
14VV1A0443	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	16	32	3
14VV1A0443	RT32042	DIGITAL SIGNAL PROCESSING	16	52	3
14VV1A0443	RT32043	DIGITAL COMMUNICATIONS	24	53	3
14VV1A0443	RT32044	MICROWAVE ENGINEERING	17	45	3
14VV1A0443	RT32045A	BIO MEDICAL ENGINEERING	18	32	3
14VV1A0443	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	40	2
14VV1A0443	RT32047	DIGITAL COMMUNICATIONS LAB	18	37	2
14VV1A0443	RT32048	DIGITAL SIGNAL PROCESSING LAB	20	40	2
14VV1A0443	RT32049	SEMINAR	40	0	1
14VV1A0444	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	-1	0
14VV1A0444	RT32042	DIGITAL SIGNAL PROCESSING	17	35	3
14VV1A0444	RT32043	DIGITAL COMMUNICATIONS	23	58	3
14VV1A0444	RT32044	MICROWAVE ENGINEERING	20	44	3
14VV1A0444	RT32045A	BIO MEDICAL ENGINEERING	26	32	3
14VV1A0444	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
14VV1A0444	RT32047	DIGITAL COMMUNICATIONS LAB	18	43	2
14VV1A0444	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	39	2
14VV1A0444	RT32049	SEMINAR	42	0	1
14VV1A0445	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	43	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0445	RT32042	DIGITAL SIGNAL PROCESSING	22	53	3
14VV1A0445	RT32043	DIGITAL COMMUNICATIONS	24	69	3
14VV1A0445	RT32044	MICROWAVE ENGINEERING	26	57	3
14VV1A0445	RT32045A	BIO MEDICAL ENGINEERING	23	52	3
14VV1A0445	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	46	2
14VV1A0445	RT32047	DIGITAL COMMUNICATIONS LAB	25	46	2
14VV1A0445	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	44	2
14VV1A0445	RT32049	SEMINAR	42	0	1
14VV1A0446	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	32	3
14VV1A0446	RT32042	DIGITAL SIGNAL PROCESSING	26	55	3
14VV1A0446	RT32043	DIGITAL COMMUNICATIONS	26	66	3
14VV1A0446	RT32044	MICROWAVE ENGINEERING	28	56	3
14VV1A0446	RT32045A	BIO MEDICAL ENGINEERING	20	55	3
14VV1A0446	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	43	2
14VV1A0446	RT32047	DIGITAL COMMUNICATIONS LAB	25	47	2
14VV1A0446	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	42	2
14VV1A0446	RT32049	SEMINAR	40	0	1
14VV1A0449	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	33	3
14VV1A0449	RT32042	DIGITAL SIGNAL PROCESSING	17	39	3
14VV1A0449	RT32043	DIGITAL COMMUNICATIONS	22	51	3
14VV1A0449	RT32044	MICROWAVE ENGINEERING	21	53	3
14VV1A0449	RT32045A	BIO MEDICAL ENGINEERING	14	26	3
14VV1A0449	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	45	2
14VV1A0449	RT32047	DIGITAL COMMUNICATIONS LAB	23	41	2
14VV1A0449	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	40	2
14VV1A0449	RT32049	SEMINAR	40	0	1
14VV1A0450	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	30	3
14VV1A0450	RT32042	DIGITAL SIGNAL PROCESSING	21	51	3
14VV1A0450	RT32043	DIGITAL COMMUNICATIONS	27	61	3
14VV1A0450	RT32044	MICROWAVE ENGINEERING	24	51	3
14VV1A0450	RT32045A	BIO MEDICAL ENGINEERING	25	44	3
14VV1A0450	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	46	2
14VV1A0450	RT32047	DIGITAL COMMUNICATIONS LAB	23	44	2
14VV1A0450	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	45	2
14VV1A0450	RT32049	SEMINAR	48	0	1
14VV1A0451	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	18	28	3
14VV1A0451	RT32042	DIGITAL SIGNAL PROCESSING	16	35	3
14VV1A0451	RT32043	DIGITAL COMMUNICATIONS	24	45	3
14VV1A0451	RT32044	MICROWAVE ENGINEERING	18	34	3
14VV1A0451	RT32045A	BIO MEDICAL ENGINEERING	20	27	3
14VV1A0451	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	39	2
14VV1A0451	RT32047	DIGITAL COMMUNICATIONS LAB	21	36	2
14VV1A0451	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	40	2
14VV1A0451	RT32049	SEMINAR	40	0	1
14VV1A0452	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	29	3
14VV1A0452	RT32042	DIGITAL SIGNAL PROCESSING	15	43	3
14VV1A0452	RT32043	DIGITAL COMMUNICATIONS	19	50	3
14VV1A0452	RT32044	MICROWAVE ENGINEERING	17	48	3
14VV1A0452	RT32045A	BIO MEDICAL ENGINEERING	15	35	3
14VV1A0452	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	40	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0452	RT32047	DIGITAL COMMUNICATIONS LAB	17	35	2
14VV1A0452	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	38	2
14VV1A0452	RT32049	SEMINAR	40	0	1
14VV1A0453	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	27	40	3
14VV1A0453	RT32042	DIGITAL SIGNAL PROCESSING	18	52	3
14VV1A0453	RT32043	DIGITAL COMMUNICATIONS	23	62	3
14VV1A0453	RT32044	MICROWAVE ENGINEERING	23	50	3
14VV1A0453	RT32045A	BIO MEDICAL ENGINEERING	19	32	3
14VV1A0453	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2
14VV1A0453	RT32047	DIGITAL COMMUNICATIONS LAB	24	44	2
14VV1A0453	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	45	2
14VV1A0453	RT32049	SEMINAR	42	0	1
14VV1A0454	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	20	28	3
14VV1A0454	RT32042	DIGITAL SIGNAL PROCESSING	18	47	3
14VV1A0454	RT32043	DIGITAL COMMUNICATIONS	22	62	3
14VV1A0454	RT32044	MICROWAVE ENGINEERING	21	51	3
14VV1A0454	RT32045A	BIO MEDICAL ENGINEERING	16	44	3
14VV1A0454	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	38	2
14VV1A0454	RT32047	DIGITAL COMMUNICATIONS LAB	20	41	2
14VV1A0454	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	43	2
14VV1A0454	RT32049	SEMINAR	40	0	1
14VV1A0455	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	27	36	3
14VV1A0455	RT32042	DIGITAL SIGNAL PROCESSING	20	52	3
14VV1A0455	RT32043	DIGITAL COMMUNICATIONS	28	56	3
14VV1A0455	RT32044	MICROWAVE ENGINEERING	25	48	3
14VV1A0455	RT32045A	BIO MEDICAL ENGINEERING	21	46	3
14VV1A0455	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	45	2
14VV1A0455	RT32047	DIGITAL COMMUNICATIONS LAB	25	44	2
14VV1A0455	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	44	2
14VV1A0455	RT32049	SEMINAR	40	0	1
14VV1A0456	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	31	3
14VV1A0456	RT32042	DIGITAL SIGNAL PROCESSING	19	42	3
14VV1A0456	RT32043	DIGITAL COMMUNICATIONS	27	56	3
14VV1A0456	RT32044	MICROWAVE ENGINEERING	20	44	3
14VV1A0456	RT32045A	BIO MEDICAL ENGINEERING	14	48	3
14VV1A0456	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	38	2
14VV1A0456	RT32047	DIGITAL COMMUNICATIONS LAB	22	45	2
14VV1A0456	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	43	2
14VV1A0456	RT32049	SEMINAR	40	0	1
14VV1A0457	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	17	25	3
14VV1A0457	RT32042	DIGITAL SIGNAL PROCESSING	15	16	0
14VV1A0457	RT32043	DIGITAL COMMUNICATIONS	13	33	3
14VV1A0457	RT32044	MICROWAVE ENGINEERING	18	34	3
14VV1A0457	RT32045A	BIO MEDICAL ENGINEERING	13	28	3
14VV1A0457	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	18	32	2
14VV1A0457	RT32047	DIGITAL COMMUNICATIONS LAB	17	36	2
14VV1A0457	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	30	2
14VV1A0457	RT32049	SEMINAR	40	0	1
14VV1A0501	RT32051	SOFTWARE ENGINEERING	23	59	3
14VV1A0501	RT32052	DATA WARE HOUSING AND MINING	15	40	3



Htno	Subcode	Subname	Internal	External	Credits
14VV1A0501	RT32053	COMPUTER NETWORKS	21	56	3
14VV1A0501	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	47	3
14VV1A0501	RT32055	WEB TECHNOLOGIES	26	42	3
14VV1A0501	RT32056	IPR AND PATENTS	26	45	2
14VV1A0501	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	41	2
14VV1A0501	RT32058	SOFTWARE ENGINEERING LAB	25	47	2
14VV1A0501	RT32059	WEB TECHNOLOGIES LAB	25	45	2
14VV1A0502	RT32051	SOFTWARE ENGINEERING	23	50	3
14VV1A0502	RT32052	DATA WARE HOUSING AND MINING	15	29	3
14VV1A0502	RT32053	COMPUTER NETWORKS	19	50	3
14VV1A0502	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	51	3
14VV1A0502	RT32055	WEB TECHNOLOGIES	23	33	3
14VV1A0502	RT32056	IPR AND PATENTS	26	42	2
14VV1A0502	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	17	37	2
14VV1A0502	RT32058	SOFTWARE ENGINEERING LAB	24	46	2
14VV1A0502	RT32059	WEB TECHNOLOGIES LAB	22	37	2
14VV1A0503	RT32051	SOFTWARE ENGINEERING	20	47	3
14VV1A0503	RT32052	DATA WARE HOUSING AND MINING	16	24	3
14VV1A0503	RT32053	COMPUTER NETWORKS	19	43	3
14VV1A0503	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	32	3
14VV1A0503	RT32055	WEB TECHNOLOGIES	24	24	3
14VV1A0503	RT32056	IPR AND PATENTS	23	38	2
14VV1A0503	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	18	35	2
14VV1A0503	RT32058	SOFTWARE ENGINEERING LAB	25	45	2
14VV1A0503	RT32059	WEB TECHNOLOGIES LAB	22	43	2
14VV1A0504	RT32051	SOFTWARE ENGINEERING	21	59	3
14VV1A0504	RT32052	DATA WARE HOUSING AND MINING	19	41	3
14VV1A0504	RT32053	COMPUTER NETWORKS	20	46	3
14VV1A0504	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	55	3
14VV1A0504	RT32055	WEB TECHNOLOGIES	24	38	3
14VV1A0504	RT32056	IPR AND PATENTS	27	43	2
14VV1A0504	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	39	2
14VV1A0504	RT32058	SOFTWARE ENGINEERING LAB	25	48	2
14VV1A0504	RT32059	WEB TECHNOLOGIES LAB	23	45	2
14VV1A0505	RT32051	SOFTWARE ENGINEERING	25	61	3
14VV1A0505	RT32052	DATA WARE HOUSING AND MINING	24	36	3
14VV1A0505	RT32053	COMPUTER NETWORKS	25	47	3
14VV1A0505	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	54	3
14VV1A0505	RT32055	WEB TECHNOLOGIES	27	52	3
14VV1A0505	RT32056	IPR AND PATENTS	27	44	2
14VV1A0505	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	24	42	2
14VV1A0505	RT32058	SOFTWARE ENGINEERING LAB	25	49	2
14VV1A0505	RT32059	WEB TECHNOLOGIES LAB	25	49	2
14VV1A0506	RT32051	SOFTWARE ENGINEERING	22	39	3
14VV1A0506	RT32052	DATA WARE HOUSING AND MINING	17	44	3
14VV1A0506	RT32053	COMPUTER NETWORKS	20	43	3
14VV1A0506	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	46	3
14VV1A0506	RT32055	WEB TECHNOLOGIES	23	32	3
14VV1A0506	RT32056	IPR AND PATENTS	27	40	2
14VV1A0506	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	33	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0506	RT32058	SOFTWARE ENGINEERING LAB	25	39	2
14VV1A0506	RT32059	WEB TECHNOLOGIES LAB	24	46	2
14VV1A0507	RT32051	SOFTWARE ENGINEERING	22	55	3
14VV1A0507	RT32052	DATA WARE HOUSING AND MINING	16	40	3
14VV1A0507	RT32053	COMPUTER NETWORKS	20	53	3
14VV1A0507	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	46	3
14VV1A0507	RT32055	WEB TECHNOLOGIES	22	33	3
14VV1A0507	RT32056	IPR AND PATENTS	25	42	2
14VV1A0507	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	17	35	2
14VV1A0507	RT32058	SOFTWARE ENGINEERING LAB	24	46	2
14VV1A0507	RT32059	WEB TECHNOLOGIES LAB	24	42	2
14VV1A0508	RT32051	SOFTWARE ENGINEERING	23	62	3
14VV1A0508	RT32052	DATA WARE HOUSING AND MINING	19	47	3
14VV1A0508	RT32053	COMPUTER NETWORKS	26	60	3
14VV1A0508	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	55	3
14VV1A0508	RT32055	WEB TECHNOLOGIES	23	55	3
14VV1A0508	RT32056	IPR AND PATENTS	26	46	2
14VV1A0508	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	24	38	2
14VV1A0508	RT32058	SOFTWARE ENGINEERING LAB	24	47	2
14VV1A0508	RT32059	WEB TECHNOLOGIES LAB	24	48	2
14VV1A0509	RT32051	SOFTWARE ENGINEERING	21	48	3
14VV1A0509	RT32052	DATA WARE HOUSING AND MINING	16	39	3
14VV1A0509	RT32053	COMPUTER NETWORKS	19	48	3
14VV1A0509	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	47	3
14VV1A0509	RT32055	WEB TECHNOLOGIES	23	38	3
14VV1A0509	RT32056	IPR AND PATENTS	26	42	2
14VV1A0509	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	16	32	2
14VV1A0509	RT32058	SOFTWARE ENGINEERING LAB	25	46	2
14VV1A0509	RT32059	WEB TECHNOLOGIES LAB	23	46	2
14VV1A0510	RT32051	SOFTWARE ENGINEERING	23	50	3
14VV1A0510	RT32052	DATA WARE HOUSING AND MINING	22	47	3
14VV1A0510	RT32053	COMPUTER NETWORKS	28	49	3
14VV1A0510	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	51	3
14VV1A0510	RT32055	WEB TECHNOLOGIES	26	26	3
14VV1A0510	RT32056	IPR AND PATENTS	28	41	2
14VV1A0510	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	24	42	2
14VV1A0510	RT32058	SOFTWARE ENGINEERING LAB	25	42	2
14VV1A0510	RT32059	WEB TECHNOLOGIES LAB	24	48	2
14VV1A0511	RT32051	SOFTWARE ENGINEERING	20	47	3
14VV1A0511	RT32052	DATA WARE HOUSING AND MINING	14	44	3
14VV1A0511	RT32053	COMPUTER NETWORKS	18	43	3
14VV1A0511	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	18	29	3
14VV1A0511	RT32055	WEB TECHNOLOGIES	23	25	3
14VV1A0511	RT32056	IPR AND PATENTS	24	37	2
14VV1A0511	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	19	35	2
14VV1A0511	RT32058	SOFTWARE ENGINEERING LAB	24	40	2
14VV1A0511	RT32059	WEB TECHNOLOGIES LAB	25	46	2
14VV1A0512	RT32051	SOFTWARE ENGINEERING	20	46	3
14VV1A0512	RT32052	DATA WARE HOUSING AND MINING	19	38	3
14VV1A0512	RT32053	COMPUTER NETWORKS	20	38	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0512	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	42	3
14VV1A0512	RT32055	WEB TECHNOLOGIES	20	34	3
14VV1A0512	RT32056	IPR AND PATENTS	16	42	2
14VV1A0512	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	16	34	2
14VV1A0512	RT32058	SOFTWARE ENGINEERING LAB	24	39	2
14VV1A0512	RT32059	WEB TECHNOLOGIES LAB	22	36	2
14VV1A0513	RT32051	SOFTWARE ENGINEERING	20	32	3
14VV1A0513	RT32052	DATA WARE HOUSING AND MINING	9	31	3
14VV1A0513	RT32053	COMPUTER NETWORKS	15	40	3
14VV1A0513	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	18	36	3
14VV1A0513	RT32055	WEB TECHNOLOGIES	20	31	3
14VV1A0513	RT32056	IPR AND PATENTS	22	41	2
14VV1A0513	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	13	31	2
14VV1A0513	RT32058	SOFTWARE ENGINEERING LAB	24	39	2
14VV1A0513	RT32059	WEB TECHNOLOGIES LAB	22	38	2
14VV1A0514	RT32051	SOFTWARE ENGINEERING	22	55	3
14VV1A0514	RT32052	DATA WARE HOUSING AND MINING	22	41	3
14VV1A0514	RT32053	COMPUTER NETWORKS	24	57	3
14VV1A0514	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	61	3
14VV1A0514	RT32055	WEB TECHNOLOGIES	25	46	3
14VV1A0514	RT32056	IPR AND PATENTS	27	47	2
14VV1A0514	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	24	36	2
14VV1A0514	RT32058	SOFTWARE ENGINEERING LAB	25	41	2
14VV1A0514	RT32059	WEB TECHNOLOGIES LAB	24	46	2
14VV1A0515	RT32051	SOFTWARE ENGINEERING	20	36	3
14VV1A0515	RT32052	DATA WARE HOUSING AND MINING	14	26	3
14VV1A0515	RT32053	COMPUTER NETWORKS	14	33	3
14VV1A0515	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	36	3
14VV1A0515	RT32055	WEB TECHNOLOGIES	22	24	3
14VV1A0515	RT32056	IPR AND PATENTS	20	39	2
14VV1A0515	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	31	2
14VV1A0515	RT32058	SOFTWARE ENGINEERING LAB	24	46	2
14VV1A0515	RT32059	WEB TECHNOLOGIES LAB	24	48	2
14VV1A0516	RT32051	SOFTWARE ENGINEERING	21	42	3
14VV1A0516	RT32052	DATA WARE HOUSING AND MINING	15	25	3
14VV1A0516	RT32053	COMPUTER NETWORKS	19	30	3
14VV1A0516	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	40	3
14VV1A0516	RT32055	WEB TECHNOLOGIES	20	25	3
14VV1A0516	RT32056	IPR AND PATENTS	23	39	2
14VV1A0516	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	16	39	2
14VV1A0516	RT32058	SOFTWARE ENGINEERING LAB	21	40	2
14VV1A0516	RT32059	WEB TECHNOLOGIES LAB	22	45	2
14VV1A0517	RT32051	SOFTWARE ENGINEERING	21	57	3
14VV1A0517	RT32052	DATA WARE HOUSING AND MINING	21	43	3
14VV1A0517	RT32053	COMPUTER NETWORKS	23	47	3
14VV1A0517	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	39	3
14VV1A0517	RT32055	WEB TECHNOLOGIES	25	25	3
14VV1A0517	RT32056	IPR AND PATENTS	25	42	2
14VV1A0517	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	15	35	2
14VV1A0517	RT32058	SOFTWARE ENGINEERING LAB	23	44	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0517	RT32059	WEB TECHNOLOGIES LAB	24	47	2
14VV1A0518	RT32051	SOFTWARE ENGINEERING	23	42	3
14VV1A0518	RT32052	DATA WARE HOUSING AND MINING	19	37	3
14VV1A0518	RT32053	COMPUTER NETWORKS	19	52	3
14VV1A0518	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	60	3
14VV1A0518	RT32055	WEB TECHNOLOGIES	26	34	3
14VV1A0518	RT32056	IPR AND PATENTS	23	45	2
14VV1A0518	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	24	37	2
14VV1A0518	RT32058	SOFTWARE ENGINEERING LAB	24	44	2
14VV1A0518	RT32059	WEB TECHNOLOGIES LAB	24	45	2
14VV1A0519	RT32051	SOFTWARE ENGINEERING	20	48	3
14VV1A0519	RT32052	DATA WARE HOUSING AND MINING	16	34	3
14VV1A0519	RT32053	COMPUTER NETWORKS	18	47	3
14VV1A0519	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	39	3
14VV1A0519	RT32055	WEB TECHNOLOGIES	25	29	3
14VV1A0519	RT32056	IPR AND PATENTS	25	37	2
14VV1A0519	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	41	2
14VV1A0519	RT32058	SOFTWARE ENGINEERING LAB	24	39	2
14VV1A0519	RT32059	WEB TECHNOLOGIES LAB	23	47	2
14VV1A0520	RT32051	SOFTWARE ENGINEERING	26	46	3
14VV1A0520	RT32052	DATA WARE HOUSING AND MINING	11	33	3
14VV1A0520	RT32053	COMPUTER NETWORKS	18	49	3
14VV1A0520	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	41	3
14VV1A0520	RT32055	WEB TECHNOLOGIES	23	31	3
14VV1A0520	RT32056	IPR AND PATENTS	23	40	2
14VV1A0520	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	39	2
14VV1A0520	RT32058	SOFTWARE ENGINEERING LAB	22	39	2
14VV1A0520	RT32059	WEB TECHNOLOGIES LAB	23	44	2
14VV1A0521	RT32051	SOFTWARE ENGINEERING	25	57	3
14VV1A0521	RT32052	DATA WARE HOUSING AND MINING	16	38	3
14VV1A0521	RT32053	COMPUTER NETWORKS	20	56	3
14VV1A0521	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	40	3
14VV1A0521	RT32055	WEB TECHNOLOGIES	23	41	3
14VV1A0521	RT32056	IPR AND PATENTS	24	40	2
14VV1A0521	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	38	2
14VV1A0521	RT32058	SOFTWARE ENGINEERING LAB	23	43	2
14VV1A0521	RT32059	WEB TECHNOLOGIES LAB	24	44	2
14VV1A0522	RT32051	SOFTWARE ENGINEERING	21	47	3
14VV1A0522	RT32052	DATA WARE HOUSING AND MINING	11	29	3
14VV1A0522	RT32053	COMPUTER NETWORKS	17	46	3
14VV1A0522	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	29	3
14VV1A0522	RT32055	WEB TECHNOLOGIES	24	30	3
14VV1A0522	RT32056	IPR AND PATENTS	22	44	2
14VV1A0522	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	34	2
14VV1A0522	RT32058	SOFTWARE ENGINEERING LAB	22	42	2
14VV1A0522	RT32059	WEB TECHNOLOGIES LAB	23	48	2
14VV1A0523	RT32051	SOFTWARE ENGINEERING	20	31	3
14VV1A0523	RT32052	DATA WARE HOUSING AND MINING	15	16	0
14VV1A0523	RT32053	COMPUTER NETWORKS	17	33	3
14VV1A0523	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	17	28	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0523	RT32055	WEB TECHNOLOGIES	21	25	3
14VV1A0523	RT32056	IPR AND PATENTS	20	33	2
14VV1A0523	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	25	37	2
14VV1A0523	RT32058	SOFTWARE ENGINEERING LAB	22	37	2
14VV1A0523	RT32059	WEB TECHNOLOGIES LAB	22	46	2
14VV1A0524	RT32051	SOFTWARE ENGINEERING	27	58	3
14VV1A0524	RT32052	DATA WARE HOUSING AND MINING	18	37	3
14VV1A0524	RT32053	COMPUTER NETWORKS	22	54	3
14VV1A0524	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	46	3
14VV1A0524	RT32055	WEB TECHNOLOGIES	25	49	3
14VV1A0524	RT32056	IPR AND PATENTS	29	45	2
14VV1A0524	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	39	2
14VV1A0524	RT32058	SOFTWARE ENGINEERING LAB	22	40	2
14VV1A0524	RT32059	WEB TECHNOLOGIES LAB	23	43	2
14VV1A0525	RT32051	SOFTWARE ENGINEERING	27	42	3
14VV1A0525	RT32052	DATA WARE HOUSING AND MINING	18	38	3
14VV1A0525	RT32053	COMPUTER NETWORKS	23	51	3
14VV1A0525	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	41	3
14VV1A0525	RT32055	WEB TECHNOLOGIES	24	29	3
14VV1A0525	RT32056	IPR AND PATENTS	26	45	2
14VV1A0525	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	24	40	2
14VV1A0525	RT32058	SOFTWARE ENGINEERING LAB	22	44	2
14VV1A0525	RT32059	WEB TECHNOLOGIES LAB	25	48	2
14VV1A0526	RT32051	SOFTWARE ENGINEERING	28	30	3
14VV1A0526	RT32052	DATA WARE HOUSING AND MINING	20	19	0
14VV1A0526	RT32053	COMPUTER NETWORKS	21	44	3
14VV1A0526	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	18	27	3
14VV1A0526	RT32055	WEB TECHNOLOGIES	21	24	3
14VV1A0526	RT32056	IPR AND PATENTS	25	42	2
14VV1A0526	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	38	2
14VV1A0526	RT32058	SOFTWARE ENGINEERING LAB	23	40	2
14VV1A0526	RT32059	WEB TECHNOLOGIES LAB	23	47	2
14VV1A0527	RT32051	SOFTWARE ENGINEERING	24	60	3
14VV1A0527	RT32052	DATA WARE HOUSING AND MINING	17	43	3
14VV1A0527	RT32053	COMPUTER NETWORKS	22	51	3
14VV1A0527	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	32	3
14VV1A0527	RT32055	WEB TECHNOLOGIES	24	36	3
14VV1A0527	RT32056	IPR AND PATENTS	24	45	2
14VV1A0527	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	17	38	2
14VV1A0527	RT32058	SOFTWARE ENGINEERING LAB	23	43	2
14VV1A0527	RT32059	WEB TECHNOLOGIES LAB	23	46	2
14VV1A0528	RT32051	SOFTWARE ENGINEERING	20	44	3
14VV1A0528	RT32052	DATA WARE HOUSING AND MINING	14	26	3
14VV1A0528	RT32053	COMPUTER NETWORKS	13	19	0
14VV1A0528	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	18	24	3
14VV1A0528	RT32055	WEB TECHNOLOGIES	24	7	0
14VV1A0528	RT32056	IPR AND PATENTS	22	32	2
14VV1A0528	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	33	2
14VV1A0528	RT32058	SOFTWARE ENGINEERING LAB	22	40	2
14VV1A0528	RT32059	WEB TECHNOLOGIES LAB	22	44	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0529	RT32051	SOFTWARE ENGINEERING	20	46	3
14VV1A0529	RT32052	DATA WARE HOUSING AND MINING	15	38	3
14VV1A0529	RT32053	COMPUTER NETWORKS	18	37	3
14VV1A0529	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	24	3
14VV1A0529	RT32055	WEB TECHNOLOGIES	23	24	3
14VV1A0529	RT32056	IPR AND PATENTS	19	41	2
14VV1A0529	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	36	2
14VV1A0529	RT32058	SOFTWARE ENGINEERING LAB	23	39	2
14VV1A0529	RT32059	WEB TECHNOLOGIES LAB	23	46	2
14VV1A0531	RT32051	SOFTWARE ENGINEERING	20	50	3
14VV1A0531	RT32052	DATA WARE HOUSING AND MINING	17	25	3
14VV1A0531	RT32053	COMPUTER NETWORKS	20	40	3
14VV1A0531	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	40	3
14VV1A0531	RT32055	WEB TECHNOLOGIES	21	26	3
14VV1A0531	RT32056	IPR AND PATENTS	23	40	2
14VV1A0531	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	35	2
14VV1A0531	RT32058	SOFTWARE ENGINEERING LAB	24	40	2
14VV1A0531	RT32059	WEB TECHNOLOGIES LAB	24	45	2
14VV1A0532	RT32051	SOFTWARE ENGINEERING	25	44	3
14VV1A0532	RT32052	DATA WARE HOUSING AND MINING	21	38	3
14VV1A0532	RT32053	COMPUTER NETWORKS	22	53	3
14VV1A0532	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	52	3
14VV1A0532	RT32055	WEB TECHNOLOGIES	24	43	3
14VV1A0532	RT32056	IPR AND PATENTS	27	36	2
14VV1A0532	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	19	40	2
14VV1A0532	RT32058	SOFTWARE ENGINEERING LAB	24	46	2
14VV1A0532	RT32059	WEB TECHNOLOGIES LAB	24	44	2
14VV1A0533	RT32051	SOFTWARE ENGINEERING	20	39	3
14VV1A0533	RT32052	DATA WARE HOUSING AND MINING	14	44	3
14VV1A0533	RT32053	COMPUTER NETWORKS	24	47	3
14VV1A0533	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	33	3
14VV1A0533	RT32055	WEB TECHNOLOGIES	23	24	3
14VV1A0533	RT32056	IPR AND PATENTS	22	35	2
14VV1A0533	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	19	40	2
14VV1A0533	RT32058	SOFTWARE ENGINEERING LAB	25	41	2
14VV1A0533	RT32059	WEB TECHNOLOGIES LAB	24	49	2
14VV1A0534	RT32051	SOFTWARE ENGINEERING	25	59	3
14VV1A0534	RT32052	DATA WARE HOUSING AND MINING	19	43	3
14VV1A0534	RT32053	COMPUTER NETWORKS	25	50	3
14VV1A0534	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	41	3
14VV1A0534	RT32055	WEB TECHNOLOGIES	24	31	3
14VV1A0534	RT32056	IPR AND PATENTS	26	43	2
14VV1A0534	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	34	2
14VV1A0534	RT32058	SOFTWARE ENGINEERING LAB	23	38	2
14VV1A0534	RT32059	WEB TECHNOLOGIES LAB	23	47	2
14VV1A0535	RT32051	SOFTWARE ENGINEERING	21	32	3
14VV1A0535	RT32052	DATA WARE HOUSING AND MINING	13	28	3
14VV1A0535	RT32053	COMPUTER NETWORKS	20	42	3
14VV1A0535	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	45	3
14VV1A0535	RT32055	WEB TECHNOLOGIES	22	26	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0535	RT32056	IPR AND PATENTS	23	42	2
14VV1A0535	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	19	36	2
14VV1A0535	RT32058	SOFTWARE ENGINEERING LAB	23	40	2
14VV1A0535	RT32059	WEB TECHNOLOGIES LAB	25	48	2
14VV1A0536	RT32051	SOFTWARE ENGINEERING	24	59	3
14VV1A0536	RT32052	DATA WARE HOUSING AND MINING	21	44	3
14VV1A0536	RT32053	COMPUTER NETWORKS	22	49	3
14VV1A0536	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	50	3
14VV1A0536	RT32055	WEB TECHNOLOGIES	23	48	3
14VV1A0536	RT32056	IPR AND PATENTS	28	42	2
14VV1A0536	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	40	2
14VV1A0536	RT32058	SOFTWARE ENGINEERING LAB	24	40	2
14VV1A0536	RT32059	WEB TECHNOLOGIES LAB	24	48	2
14VV1A0537	RT32051	SOFTWARE ENGINEERING	24	58	3
14VV1A0537	RT32052	DATA WARE HOUSING AND MINING	22	45	3
14VV1A0537	RT32053	COMPUTER NETWORKS	25	48	3
14VV1A0537	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	50	3
14VV1A0537	RT32055	WEB TECHNOLOGIES	24	47	3
14VV1A0537	RT32056	IPR AND PATENTS	28	39	2
14VV1A0537	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	17	38	2
14VV1A0537	RT32058	SOFTWARE ENGINEERING LAB	24	39	2
14VV1A0537	RT32059	WEB TECHNOLOGIES LAB	24	48	2
14VV1A0538	RT32051	SOFTWARE ENGINEERING	24	46	3
14VV1A0538	RT32052	DATA WARE HOUSING AND MINING	13	27	3
14VV1A0538	RT32053	COMPUTER NETWORKS	19	52	3
14VV1A0538	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	51	3
14VV1A0538	RT32055	WEB TECHNOLOGIES	21	37	3
14VV1A0538	RT32056	IPR AND PATENTS	25	45	2
14VV1A0538	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	48	2
14VV1A0538	RT32058	SOFTWARE ENGINEERING LAB	22	43	2
14VV1A0538	RT32059	WEB TECHNOLOGIES LAB	23	46	2
14VV1A0539	RT32051	SOFTWARE ENGINEERING	22	31	3
14VV1A0539	RT32052	DATA WARE HOUSING AND MINING	16	27	3
14VV1A0539	RT32053	COMPUTER NETWORKS	16	36	3
14VV1A0539	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	12	0
14VV1A0539	RT32055	WEB TECHNOLOGIES	22	24	3
14VV1A0539	RT32056	IPR AND PATENTS	24	38	2
14VV1A0539	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	39	2
14VV1A0539	RT32058	SOFTWARE ENGINEERING LAB	22	45	2
14VV1A0539	RT32059	WEB TECHNOLOGIES LAB	23	46	2
14VV1A0540	RT32051	SOFTWARE ENGINEERING	25	43	3
14VV1A0540	RT32052	DATA WARE HOUSING AND MINING	22	38	3
14VV1A0540	RT32053	COMPUTER NETWORKS	24	50	3
14VV1A0540	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	39	3
14VV1A0540	RT32055	WEB TECHNOLOGIES	22	39	3
14VV1A0540	RT32056	IPR AND PATENTS	27	38	2
14VV1A0540	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	35	2
14VV1A0540	RT32058	SOFTWARE ENGINEERING LAB	25	49	2
14VV1A0540	RT32059	WEB TECHNOLOGIES LAB	24	46	2
14VV1A0541	RT32051	SOFTWARE ENGINEERING	25	49	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0541	RT32052	DATA WARE HOUSING AND MINING	24	65	3
14VV1A0541	RT32053	COMPUTER NETWORKS	25	47	3
14VV1A0541	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	64	3
14VV1A0541	RT32055	WEB TECHNOLOGIES	27	55	3
14VV1A0541	RT32056	IPR AND PATENTS	24	43	2
14VV1A0541	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	25	49	2
14VV1A0541	RT32058	SOFTWARE ENGINEERING LAB	25	50	2
14VV1A0541	RT32059	WEB TECHNOLOGIES LAB	25	49	2
14VV1A0542	RT32051	SOFTWARE ENGINEERING	25	56	3
14VV1A0542	RT32052	DATA WARE HOUSING AND MINING	20	45	3
14VV1A0542	RT32053	COMPUTER NETWORKS	25	54	3
14VV1A0542	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	58	3
14VV1A0542	RT32055	WEB TECHNOLOGIES	22	45	3
14VV1A0542	RT32056	IPR AND PATENTS	27	44	2
14VV1A0542	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	44	2
14VV1A0542	RT32058	SOFTWARE ENGINEERING LAB	25	50	2
14VV1A0542	RT32059	WEB TECHNOLOGIES LAB	25	47	2
14VV1A0543	RT32051	SOFTWARE ENGINEERING	21	50	3
14VV1A0543	RT32052	DATA WARE HOUSING AND MINING	19	45	3
14VV1A0543	RT32053	COMPUTER NETWORKS	23	50	3
14VV1A0543	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	45	3
14VV1A0543	RT32055	WEB TECHNOLOGIES	24	37	3
14VV1A0543	RT32056	IPR AND PATENTS	18	38	2
14VV1A0543	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	18	29	2
14VV1A0543	RT32058	SOFTWARE ENGINEERING LAB	25	38	2
14VV1A0543	RT32059	WEB TECHNOLOGIES LAB	24	45	2
14VV1A0544	RT32051	SOFTWARE ENGINEERING	20	44	3
14VV1A0544	RT32052	DATA WARE HOUSING AND MINING	11	39	3
14VV1A0544	RT32053	COMPUTER NETWORKS	14	39	3
14VV1A0544	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	33	3
14VV1A0544	RT32055	WEB TECHNOLOGIES	16	31	3
14VV1A0544	RT32056	IPR AND PATENTS	20	38	2
14VV1A0544	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	18	41	2
14VV1A0544	RT32058	SOFTWARE ENGINEERING LAB	23	44	2
14VV1A0544	RT32059	WEB TECHNOLOGIES LAB	23	38	2
14VV1A0546	RT32051	SOFTWARE ENGINEERING	25	47	3
14VV1A0546	RT32052	DATA WARE HOUSING AND MINING	20	42	3
14VV1A0546	RT32053	COMPUTER NETWORKS	22	46	3
14VV1A0546	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	46	3
14VV1A0546	RT32055	WEB TECHNOLOGIES	23	33	3
14VV1A0546	RT32056	IPR AND PATENTS	28	42	2
14VV1A0546	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	35	2
14VV1A0546	RT32058	SOFTWARE ENGINEERING LAB	25	46	2
14VV1A0546	RT32059	WEB TECHNOLOGIES LAB	24	42	2
14VV1A0547	RT32051	SOFTWARE ENGINEERING	25	50	3
14VV1A0547	RT32052	DATA WARE HOUSING AND MINING	19	27	3
14VV1A0547	RT32053	COMPUTER NETWORKS	22	51	3
14VV1A0547	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	51	3
14VV1A0547	RT32055	WEB TECHNOLOGIES	24	27	3
14VV1A0547	RT32056	IPR AND PATENTS	23	39	2



Htno	Subcode	Subname	Internal	External	Credits
14VV1A0547	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	24	37	2
14VV1A0547	RT32058	SOFTWARE ENGINEERING LAB	25	40	2
14VV1A0547	RT32059	WEB TECHNOLOGIES LAB	23	45	2
14VV1A0548	RT32051	SOFTWARE ENGINEERING	25	61	3
14VV1A0548	RT32052	DATA WARE HOUSING AND MINING	20	47	3
14VV1A0548	RT32053	COMPUTER NETWORKS	24	50	3
14VV1A0548	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	51	3
14VV1A0548	RT32055	WEB TECHNOLOGIES	25	35	3
14VV1A0548	RT32056	IPR AND PATENTS	28	44	2
14VV1A0548	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	43	2
14VV1A0548	RT32058	SOFTWARE ENGINEERING LAB	25	45	2
14VV1A0548	RT32059	WEB TECHNOLOGIES LAB	25	46	2
14VV1A0549	RT32051	SOFTWARE ENGINEERING	20	41	3
14VV1A0549	RT32052	DATA WARE HOUSING AND MINING	19	17	0
14VV1A0549	RT32053	COMPUTER NETWORKS	18	44	3
14VV1A0549	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	36	3
14VV1A0549	RT32055	WEB TECHNOLOGIES	22	28	3
14VV1A0549	RT32056	IPR AND PATENTS	27	40	2
14VV1A0549	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	46	2
14VV1A0549	RT32058	SOFTWARE ENGINEERING LAB	22	39	2
14VV1A0549	RT32059	WEB TECHNOLOGIES LAB	23	44	2
14VV1A0550	RT32051	SOFTWARE ENGINEERING	20	48	3
14VV1A0550	RT32052	DATA WARE HOUSING AND MINING	16	30	3
14VV1A0550	RT32053	COMPUTER NETWORKS	19	45	3
14VV1A0550	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	18	45	3
14VV1A0550	RT32055	WEB TECHNOLOGIES	22	35	3
14VV1A0550	RT32056	IPR AND PATENTS	22	36	2
14VV1A0550	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	23	33	2
14VV1A0550	RT32058	SOFTWARE ENGINEERING LAB	24	44	2
14VV1A0550	RT32059	WEB TECHNOLOGIES LAB	23	45	2
14VV1A0551	RT32051	SOFTWARE ENGINEERING	25	54	3
14VV1A0551	RT32052	DATA WARE HOUSING AND MINING	12	34	3
14VV1A0551	RT32053	COMPUTER NETWORKS	21	46	3
14VV1A0551	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	47	3
14VV1A0551	RT32055	WEB TECHNOLOGIES	23	50	3
14VV1A0551	RT32056	IPR AND PATENTS	20	44	2
14VV1A0551	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	22	39	2
14VV1A0551	RT32058	SOFTWARE ENGINEERING LAB	25	49	2
14VV1A0551	RT32059	WEB TECHNOLOGIES LAB	25	46	2
14VV1A0553	RT32051	SOFTWARE ENGINEERING	22	62	3
14VV1A0553	RT32052	DATA WARE HOUSING AND MINING	19	34	3
14VV1A0553	RT32053	COMPUTER NETWORKS	21	42	3
14VV1A0553	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	22	33	3
14VV1A0553	RT32055	WEB TECHNOLOGIES	25	30	3
14VV1A0553	RT32056	IPR AND PATENTS	21	42	2
14VV1A0553	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	17	23	2
14VV1A0553	RT32058	SOFTWARE ENGINEERING LAB	22	40	2
14VV1A0553	RT32059	WEB TECHNOLOGIES LAB	23	36	2
14VV1A0554	RT32051	SOFTWARE ENGINEERING	20	37	3
14VV1A0554	RT32052	DATA WARE HOUSING AND MINING	10	30	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A0554	RT32053	COMPUTER NETWORKS	12	24	0
14VV1A0554	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	16	24	3
14VV1A0554	RT32055	WEB TECHNOLOGIES	16	15	0
14VV1A0554	RT32056	IPR AND PATENTS	23	36	2
14VV1A0554	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	19	38	2
14VV1A0554	RT32058	SOFTWARE ENGINEERING LAB	22	39	2
14VV1A0554	RT32059	WEB TECHNOLOGIES LAB	22	38	2
14VV1A0555	RT32051	SOFTWARE ENGINEERING	23	52	3
14VV1A0555	RT32052	DATA WARE HOUSING AND MINING	14	35	3
14VV1A0555	RT32053	COMPUTER NETWORKS	19	47	3
14VV1A0555	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	43	3
14VV1A0555	RT32055	WEB TECHNOLOGIES	24	48	3
14VV1A0555	RT32056	IPR AND PATENTS	25	41	2
14VV1A0555	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	19	34	2
14VV1A0555	RT32058	SOFTWARE ENGINEERING LAB	25	43	2
14VV1A0555	RT32059	WEB TECHNOLOGIES LAB	23	40	2
14VV1A1201	RT32052	DATA WARE HOUSING AND MINING	28	32	3
14VV1A1201	RT32053	COMPUTER NETWORKS	26	59	3
14VV1A1201	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	49	3
14VV1A1201	RT32055	WEB TECHNOLOGIES	28	48	3
14VV1A1201	RT32056	IPR AND PATENTS	28	42	2
14VV1A1201	RT32121	SOFTWARE TESTING	28	41	3
14VV1A1201	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	45	2
14VV1A1201	RT32128	SOFTWARE TESTING LAB	23	48	2
14VV1A1201	RT32129	WEB TECHNOLOGIES LAB	23	45	2
14VV1A1202	RT32052	DATA WARE HOUSING AND MINING	27	38	3
14VV1A1202	RT32053	COMPUTER NETWORKS	27	58	3
14VV1A1202	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	30	57	3
14VV1A1202	RT32055	WEB TECHNOLOGIES	28	46	3
14VV1A1202	RT32056	IPR AND PATENTS	30	50	2
14VV1A1202	RT32121	SOFTWARE TESTING	28	53	3
14VV1A1202	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	46	2
14VV1A1202	RT32128	SOFTWARE TESTING LAB	25	50	2
14VV1A1202	RT32129	WEB TECHNOLOGIES LAB	22	46	2
14VV1A1203	RT32052	DATA WARE HOUSING AND MINING	25	32	3
14VV1A1203	RT32053	COMPUTER NETWORKS	25	50	3
14VV1A1203	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	47	3
14VV1A1203	RT32055	WEB TECHNOLOGIES	27	43	3
14VV1A1203	RT32056	IPR AND PATENTS	26	44	2
14VV1A1203	RT32121	SOFTWARE TESTING	26	51	3
14VV1A1203	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	45	2
14VV1A1203	RT32128	SOFTWARE TESTING LAB	22	44	2
14VV1A1203	RT32129	WEB TECHNOLOGIES LAB	22	49	2
14VV1A1204	RT32052	DATA WARE HOUSING AND MINING	27	31	3
14VV1A1204	RT32053	COMPUTER NETWORKS	27	55	3
14VV1A1204	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	45	3
14VV1A1204	RT32055	WEB TECHNOLOGIES	24	36	3
14VV1A1204	RT32056	IPR AND PATENTS	27	45	2
14VV1A1204	RT32121	SOFTWARE TESTING	27	43	3
14VV1A1204	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	47	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1204	RT32128	SOFTWARE TESTING LAB	24	48	2
14VV1A1204	RT32129	WEB TECHNOLOGIES LAB	23	44	2
14VV1A1205	RT32052	DATA WARE HOUSING AND MINING	28	38	3
14VV1A1205	RT32053	COMPUTER NETWORKS	27	64	3
14VV1A1205	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	29	56	3
14VV1A1205	RT32055	WEB TECHNOLOGIES	28	56	3
14VV1A1205	RT32056	IPR AND PATENTS	29	48	2
14VV1A1205	RT32121	SOFTWARE TESTING	29	52	3
14VV1A1205	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	48	2
14VV1A1205	RT32128	SOFTWARE TESTING LAB	22	49	2
14VV1A1205	RT32129	WEB TECHNOLOGIES LAB	25	49	2
14VV1A1206	RT32052	DATA WARE HOUSING AND MINING	25	29	3
14VV1A1206	RT32053	COMPUTER NETWORKS	25	45	3
14VV1A1206	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	50	3
14VV1A1206	RT32055	WEB TECHNOLOGIES	28	28	3
14VV1A1206	RT32056	IPR AND PATENTS	30	47	2
14VV1A1206	RT32121	SOFTWARE TESTING	28	47	3
14VV1A1206	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	44	2
14VV1A1206	RT32128	SOFTWARE TESTING LAB	24	47	2
14VV1A1206	RT32129	WEB TECHNOLOGIES LAB	22	45	2
14VV1A1208	RT32052	DATA WARE HOUSING AND MINING	26	25	3
14VV1A1208	RT32053	COMPUTER NETWORKS	25	52	3
14VV1A1208	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	54	3
14VV1A1208	RT32055	WEB TECHNOLOGIES	27	45	3
14VV1A1208	RT32056	IPR AND PATENTS	28	47	2
14VV1A1208	RT32121	SOFTWARE TESTING	27	51	3
14VV1A1208	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	40	2
14VV1A1208	RT32128	SOFTWARE TESTING LAB	22	40	2
14VV1A1208	RT32129	WEB TECHNOLOGIES LAB	21	43	2
14VV1A1209	RT32052	DATA WARE HOUSING AND MINING	24	24	3
14VV1A1209	RT32053	COMPUTER NETWORKS	24	36	3
14VV1A1209	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	37	3
14VV1A1209	RT32055	WEB TECHNOLOGIES	26	27	3
14VV1A1209	RT32056	IPR AND PATENTS	29	44	2
14VV1A1209	RT32121	SOFTWARE TESTING	23	28	3
14VV1A1209	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	46	2
14VV1A1209	RT32128	SOFTWARE TESTING LAB	20	43	2
14VV1A1209	RT32129	WEB TECHNOLOGIES LAB	23	49	2
14VV1A1210	RT32052	DATA WARE HOUSING AND MINING	26	27	3
14VV1A1210	RT32053	COMPUTER NETWORKS	24	62	3
14VV1A1210	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	54	3
14VV1A1210	RT32055	WEB TECHNOLOGIES	27	36	3
14VV1A1210	RT32056	IPR AND PATENTS	28	46	2
14VV1A1210	RT32121	SOFTWARE TESTING	26	48	3
14VV1A1210	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	47	2
14VV1A1210	RT32128	SOFTWARE TESTING LAB	21	48	2
14VV1A1210	RT32129	WEB TECHNOLOGIES LAB	21	44	2
14VV1A1212	RT32052	DATA WARE HOUSING AND MINING	25	38	3
14VV1A1212	RT32053	COMPUTER NETWORKS	23	62	3
14VV1A1212	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	56	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1212	RT32055	WEB TECHNOLOGIES	24	48	3
14VV1A1212	RT32056	IPR AND PATENTS	28	47	2
14VV1A1212	RT32121	SOFTWARE TESTING	28	48	3
14VV1A1212	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	20	44	2
14VV1A1212	RT32128	SOFTWARE TESTING LAB	24	47	2
14VV1A1212	RT32129	WEB TECHNOLOGIES LAB	18	41	2
14VV1A1213	RT32052	DATA WARE HOUSING AND MINING	23	29	3
14VV1A1213	RT32053	COMPUTER NETWORKS	23	55	3
14VV1A1213	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	50	3
14VV1A1213	RT32055	WEB TECHNOLOGIES	24	42	3
14VV1A1213	RT32056	IPR AND PATENTS	26	48	2
14VV1A1213	RT32121	SOFTWARE TESTING	26	46	3
14VV1A1213	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	20	38	2
14VV1A1213	RT32128	SOFTWARE TESTING LAB	19	38	2
14VV1A1213	RT32129	WEB TECHNOLOGIES LAB	20	43	2
14VV1A1214	RT32052	DATA WARE HOUSING AND MINING	23	33	3
14VV1A1214	RT32053	COMPUTER NETWORKS	24	62	3
14VV1A1214	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	58	3
14VV1A1214	RT32055	WEB TECHNOLOGIES	26	44	3
14VV1A1214	RT32056	IPR AND PATENTS	25	45	2
14VV1A1214	RT32121	SOFTWARE TESTING	30	51	3
14VV1A1214	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	45	2
14VV1A1214	RT32128	SOFTWARE TESTING LAB	24	49	2
14VV1A1214	RT32129	WEB TECHNOLOGIES LAB	20	44	2
14VV1A1215	RT32052	DATA WARE HOUSING AND MINING	23	29	3
14VV1A1215	RT32053	COMPUTER NETWORKS	21	50	3
14VV1A1215	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	50	3
14VV1A1215	RT32055	WEB TECHNOLOGIES	27	38	3
14VV1A1215	RT32056	IPR AND PATENTS	27	42	2
14VV1A1215	RT32121	SOFTWARE TESTING	25	48	3
14VV1A1215	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	19	41	2
14VV1A1215	RT32128	SOFTWARE TESTING LAB	21	43	2
14VV1A1215	RT32129	WEB TECHNOLOGIES LAB	21	43	2
14VV1A1216	RT32052	DATA WARE HOUSING AND MINING	23	17	0
14VV1A1216	RT32053	COMPUTER NETWORKS	24	33	3
14VV1A1216	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	31	3
14VV1A1216	RT32055	WEB TECHNOLOGIES	22	25	3
14VV1A1216	RT32056	IPR AND PATENTS	25	42	2
14VV1A1216	RT32121	SOFTWARE TESTING	24	31	3
14VV1A1216	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	46	2
14VV1A1216	RT32128	SOFTWARE TESTING LAB	21	42	2
14VV1A1216	RT32129	WEB TECHNOLOGIES LAB	23	44	2
14VV1A1217	RT32052	DATA WARE HOUSING AND MINING	27	42	3
14VV1A1217	RT32053	COMPUTER NETWORKS	28	62	3
14VV1A1217	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	65	3
14VV1A1217	RT32055	WEB TECHNOLOGIES	28	42	3
14VV1A1217	RT32056	IPR AND PATENTS	28	50	2
14VV1A1217	RT32121	SOFTWARE TESTING	28	51	3
14VV1A1217	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	25	49	2
14VV1A1217	RT32128	SOFTWARE TESTING LAB	23	49	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1217	RT32129	WEB TECHNOLOGIES LAB	23	49	2
14VV1A1218	RT32052	DATA WARE HOUSING AND MINING	25	44	3
14VV1A1218	RT32053	COMPUTER NETWORKS	26	59	3
14VV1A1218	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	29	48	3
14VV1A1218	RT32055	WEB TECHNOLOGIES	26	46	3
14VV1A1218	RT32056	IPR AND PATENTS	27	48	2
14VV1A1218	RT32121	SOFTWARE TESTING	29	49	3
14VV1A1218	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	49	2
14VV1A1218	RT32128	SOFTWARE TESTING LAB	24	49	2
14VV1A1218	RT32129	WEB TECHNOLOGIES LAB	22	47	2
14VV1A1219	RT32052	DATA WARE HOUSING AND MINING	26	29	3
14VV1A1219	RT32053	COMPUTER NETWORKS	23	54	3
14VV1A1219	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	46	3
14VV1A1219	RT32055	WEB TECHNOLOGIES	26	50	3
14VV1A1219	RT32056	IPR AND PATENTS	24	40	2
14VV1A1219	RT32121	SOFTWARE TESTING	27	50	3
14VV1A1219	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	20	48	2
14VV1A1219	RT32128	SOFTWARE TESTING LAB	23	47	2
14VV1A1219	RT32129	WEB TECHNOLOGIES LAB	23	46	2
14VV1A1220	RT32052	DATA WARE HOUSING AND MINING	25	33	3
14VV1A1220	RT32053	COMPUTER NETWORKS	26	54	3
14VV1A1220	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	51	3
14VV1A1220	RT32055	WEB TECHNOLOGIES	27	47	3
14VV1A1220	RT32056	IPR AND PATENTS	29	47	2
14VV1A1220	RT32121	SOFTWARE TESTING	26	44	3
14VV1A1220	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	46	2
14VV1A1220	RT32128	SOFTWARE TESTING LAB	24	46	2
14VV1A1220	RT32129	WEB TECHNOLOGIES LAB	23	47	2
14VV1A1221	RT32052	DATA WARE HOUSING AND MINING	25	31	3
14VV1A1221	RT32053	COMPUTER NETWORKS	25	50	3
14VV1A1221	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	46	3
14VV1A1221	RT32055	WEB TECHNOLOGIES	23	39	3
14VV1A1221	RT32056	IPR AND PATENTS	27	44	2
14VV1A1221	RT32121	SOFTWARE TESTING	28	52	3
14VV1A1221	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	46	2
14VV1A1221	RT32128	SOFTWARE TESTING LAB	21	45	2
14VV1A1221	RT32129	WEB TECHNOLOGIES LAB	19	41	2
14VV1A1222	RT32052	DATA WARE HOUSING AND MINING	21	24	3
14VV1A1222	RT32053	COMPUTER NETWORKS	23	42	3
14VV1A1222	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	32	3
14VV1A1222	RT32055	WEB TECHNOLOGIES	24	34	3
14VV1A1222	RT32056	IPR AND PATENTS	29	51	2
14VV1A1222	RT32121	SOFTWARE TESTING	22	40	3
14VV1A1222	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	47	2
14VV1A1222	RT32128	SOFTWARE TESTING LAB	21	45	2
14VV1A1222	RT32129	WEB TECHNOLOGIES LAB	22	46	2
14VV1A1223	RT32052	DATA WARE HOUSING AND MINING	26	42	3
14VV1A1223	RT32053	COMPUTER NETWORKS	26	61	3
14VV1A1223	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	62	3
14VV1A1223	RT32055	WEB TECHNOLOGIES	28	50	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1223	RT32056	IPR AND PATENTS	28	49	2
14VV1A1223	RT32121	SOFTWARE TESTING	28	54	3
14VV1A1223	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	50	2
14VV1A1223	RT32128	SOFTWARE TESTING LAB	24	50	2
14VV1A1223	RT32129	WEB TECHNOLOGIES LAB	22	49	2
14VV1A1224	RT32052	DATA WARE HOUSING AND MINING	26	32	3
14VV1A1224	RT32053	COMPUTER NETWORKS	26	46	3
14VV1A1224	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	38	3
14VV1A1224	RT32055	WEB TECHNOLOGIES	27	37	3
14VV1A1224	RT32056	IPR AND PATENTS	29	46	2
14VV1A1224	RT32121	SOFTWARE TESTING	28	36	3
14VV1A1224	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	43	2
14VV1A1224	RT32128	SOFTWARE TESTING LAB	24	44	2
14VV1A1224	RT32129	WEB TECHNOLOGIES LAB	23	47	2
14VV1A1225	RT32052	DATA WARE HOUSING AND MINING	26	30	3
14VV1A1225	RT32053	COMPUTER NETWORKS	27	62	3
14VV1A1225	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	60	3
14VV1A1225	RT32055	WEB TECHNOLOGIES	25	49	3
14VV1A1225	RT32056	IPR AND PATENTS	30	50	2
14VV1A1225	RT32121	SOFTWARE TESTING	28	48	3
14VV1A1225	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	24	49	2
14VV1A1225	RT32128	SOFTWARE TESTING LAB	24	47	2
14VV1A1225	RT32129	WEB TECHNOLOGIES LAB	24	48	2
14VV1A1226	RT32052	DATA WARE HOUSING AND MINING	23	27	3
14VV1A1226	RT32053	COMPUTER NETWORKS	25	54	3
14VV1A1226	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	46	3
14VV1A1226	RT32055	WEB TECHNOLOGIES	28	33	3
14VV1A1226	RT32056	IPR AND PATENTS	27	41	2
14VV1A1226	RT32121	SOFTWARE TESTING	26	47	3
14VV1A1226	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	43	2
14VV1A1226	RT32128	SOFTWARE TESTING LAB	22	41	2
14VV1A1226	RT32129	WEB TECHNOLOGIES LAB	23	48	2
14VV1A1227	RT32052	DATA WARE HOUSING AND MINING	26	31	3
14VV1A1227	RT32053	COMPUTER NETWORKS	22	45	3
14VV1A1227	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	48	3
14VV1A1227	RT32055	WEB TECHNOLOGIES	26	40	3
14VV1A1227	RT32056	IPR AND PATENTS	22	42	2
14VV1A1227	RT32121	SOFTWARE TESTING	26	43	3
14VV1A1227	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	47	2
14VV1A1227	RT32128	SOFTWARE TESTING LAB	23	46	2
14VV1A1227	RT32129	WEB TECHNOLOGIES LAB	23	48	2
14VV1A1228	RT32052	DATA WARE HOUSING AND MINING	29	28	3
14VV1A1228	RT32053	COMPUTER NETWORKS	28	54	3
14VV1A1228	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	52	3
14VV1A1228	RT32055	WEB TECHNOLOGIES	28	45	3
14VV1A1228	RT32056	IPR AND PATENTS	28	49	2
14VV1A1228	RT32121	SOFTWARE TESTING	28	52	3
14VV1A1228	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	25	48	2
14VV1A1228	RT32128	SOFTWARE TESTING LAB	23	47	2
14VV1A1228	RT32129	WEB TECHNOLOGIES LAB	24	49	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1229	RT32052	DATA WARE HOUSING AND MINING	23	28	3
14VV1A1229	RT32053	COMPUTER NETWORKS	22	43	3
14VV1A1229	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	42	3
14VV1A1229	RT32055	WEB TECHNOLOGIES	20	24	3
14VV1A1229	RT32056	IPR AND PATENTS	25	41	2
14VV1A1229	RT32121	SOFTWARE TESTING	20	38	3
14VV1A1229	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	38	2
14VV1A1229	RT32128	SOFTWARE TESTING LAB	17	35	2
14VV1A1229	RT32129	WEB TECHNOLOGIES LAB	19	40	2
14VV1A1230	RT32052	DATA WARE HOUSING AND MINING	26	24	3
14VV1A1230	RT32053	COMPUTER NETWORKS	24	47	3
14VV1A1230	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	26	3
14VV1A1230	RT32055	WEB TECHNOLOGIES	24	32	3
14VV1A1230	RT32056	IPR AND PATENTS	27	45	2
14VV1A1230	RT32121	SOFTWARE TESTING	27	46	3
14VV1A1230	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	45	2
14VV1A1230	RT32128	SOFTWARE TESTING LAB	22	44	2
14VV1A1230	RT32129	WEB TECHNOLOGIES LAB	21	45	2
14VV1A1231	RT32052	DATA WARE HOUSING AND MINING	25	25	3
14VV1A1231	RT32053	COMPUTER NETWORKS	26	47	3
14VV1A1231	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	40	3
14VV1A1231	RT32055	WEB TECHNOLOGIES	26	34	3
14VV1A1231	RT32056	IPR AND PATENTS	26	45	2
14VV1A1231	RT32121	SOFTWARE TESTING	27	27	3
14VV1A1231	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	43	2
14VV1A1231	RT32128	SOFTWARE TESTING LAB	23	43	2
14VV1A1231	RT32129	WEB TECHNOLOGIES LAB	21	44	2
14VV1A1233	RT32052	DATA WARE HOUSING AND MINING	26	27	3
14VV1A1233	RT32053	COMPUTER NETWORKS	26	48	3
14VV1A1233	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	44	3
14VV1A1233	RT32055	WEB TECHNOLOGIES	25	35	3
14VV1A1233	RT32056	IPR AND PATENTS	27	39	2
14VV1A1233	RT32121	SOFTWARE TESTING	25	41	3
14VV1A1233	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	47	2
14VV1A1233	RT32128	SOFTWARE TESTING LAB	23	45	2
14VV1A1233	RT32129	WEB TECHNOLOGIES LAB	21	43	2
14VV1A1234	RT32052	DATA WARE HOUSING AND MINING	28	33	3
14VV1A1234	RT32053	COMPUTER NETWORKS	26	62	3
14VV1A1234	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	62	3
14VV1A1234	RT32055	WEB TECHNOLOGIES	26	59	3
14VV1A1234	RT32056	IPR AND PATENTS	27	49	2
14VV1A1234	RT32121	SOFTWARE TESTING	28	49	3
14VV1A1234	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	48	2
14VV1A1234	RT32128	SOFTWARE TESTING LAB	23	47	2
14VV1A1234	RT32129	WEB TECHNOLOGIES LAB	23	47	2
14VV1A1235	RT32052	DATA WARE HOUSING AND MINING	26	35	3
14VV1A1235	RT32053	COMPUTER NETWORKS	25	57	3
14VV1A1235	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	58	3
14VV1A1235	RT32055	WEB TECHNOLOGIES	28	44	3
14VV1A1235	RT32056	IPR AND PATENTS	29	47	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1235	RT32121	SOFTWARE TESTING	27	53	3
14VV1A1235	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	48	2
14VV1A1235	RT32128	SOFTWARE TESTING LAB	23	44	2
14VV1A1235	RT32129	WEB TECHNOLOGIES LAB	24	45	2
14VV1A1236	RT32052	DATA WARE HOUSING AND MINING	25	28	3
14VV1A1236	RT32053	COMPUTER NETWORKS	24	55	3
14VV1A1236	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	48	3
14VV1A1236	RT32055	WEB TECHNOLOGIES	28	29	3
14VV1A1236	RT32056	IPR AND PATENTS	28	47	2
14VV1A1236	RT32121	SOFTWARE TESTING	26	55	3
14VV1A1236	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	48	2
14VV1A1236	RT32128	SOFTWARE TESTING LAB	23	47	2
14VV1A1236	RT32129	WEB TECHNOLOGIES LAB	21	44	2
14VV1A1237	RT32052	DATA WARE HOUSING AND MINING	27	33	3
14VV1A1237	RT32053	COMPUTER NETWORKS	27	49	3
14VV1A1237	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	54	3
14VV1A1237	RT32055	WEB TECHNOLOGIES	28	31	3
14VV1A1237	RT32056	IPR AND PATENTS	26	36	2
14VV1A1237	RT32121	SOFTWARE TESTING	30	26	3
14VV1A1237	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	24	49	2
14VV1A1237	RT32128	SOFTWARE TESTING LAB	24	50	2
14VV1A1237	RT32129	WEB TECHNOLOGIES LAB	22	48	2
14VV1A1238	RT32052	DATA WARE HOUSING AND MINING	22	24	3
14VV1A1238	RT32053	COMPUTER NETWORKS	24	36	3
14VV1A1238	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	37	3
14VV1A1238	RT32055	WEB TECHNOLOGIES	24	17	0
14VV1A1238	RT32056	IPR AND PATENTS	25	37	2
14VV1A1238	RT32121	SOFTWARE TESTING	30	30	3
14VV1A1238	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	48	2
14VV1A1238	RT32128	SOFTWARE TESTING LAB	22	49	2
14VV1A1238	RT32129	WEB TECHNOLOGIES LAB	23	48	2
14VV1A1239	RT32052	DATA WARE HOUSING AND MINING	26	31	3
14VV1A1239	RT32053	COMPUTER NETWORKS	26	42	3
14VV1A1239	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	37	3
14VV1A1239	RT32055	WEB TECHNOLOGIES	27	34	3
14VV1A1239	RT32056	IPR AND PATENTS	27	39	2
14VV1A1239	RT32121	SOFTWARE TESTING	23	27	3
14VV1A1239	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	49	2
14VV1A1239	RT32128	SOFTWARE TESTING LAB	21	44	2
14VV1A1239	RT32129	WEB TECHNOLOGIES LAB	21	46	2
14VV1A1240	RT32052	DATA WARE HOUSING AND MINING	20	30	3
14VV1A1240	RT32053	COMPUTER NETWORKS	21	53	3
14VV1A1240	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	49	3
14VV1A1240	RT32055	WEB TECHNOLOGIES	23	31	3
14VV1A1240	RT32056	IPR AND PATENTS	25	47	2
14VV1A1240	RT32121	SOFTWARE TESTING	25	46	3
14VV1A1240	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	19	38	2
14VV1A1240	RT32128	SOFTWARE TESTING LAB	17	35	2
14VV1A1240	RT32129	WEB TECHNOLOGIES LAB	18	40	2
14VV1A1241	RT32052	DATA WARE HOUSING AND MINING	26	32	3



Htno	Subcode	Subname	Internal	External	Credits
14VV1A1241	RT32053	COMPUTER NETWORKS	26	64	3
14VV1A1241	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	63	3
14VV1A1241	RT32055	WEB TECHNOLOGIES	26	50	3
14VV1A1241	RT32056	IPR AND PATENTS	28	44	2
14VV1A1241	RT32121	SOFTWARE TESTING	26	49	3
14VV1A1241	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	48	2
14VV1A1241	RT32128	SOFTWARE TESTING LAB	23	48	2
14VV1A1241	RT32129	WEB TECHNOLOGIES LAB	22	48	2
14VV1A1242	RT32052	DATA WARE HOUSING AND MINING	28	27	3
14VV1A1242	RT32053	COMPUTER NETWORKS	23	53	3
14VV1A1242	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	37	3
14VV1A1242	RT32055	WEB TECHNOLOGIES	25	49	3
14VV1A1242	RT32056	IPR AND PATENTS	28	49	2
14VV1A1242	RT32121	SOFTWARE TESTING	25	44	3
14VV1A1242	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	44	2
14VV1A1242	RT32128	SOFTWARE TESTING LAB	23	45	2
14VV1A1242	RT32129	WEB TECHNOLOGIES LAB	21	45	2
14VV1A1244	RT32052	DATA WARE HOUSING AND MINING	23	26	3
14VV1A1244	RT32053	COMPUTER NETWORKS	26	38	3
14VV1A1244	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	37	3
14VV1A1244	RT32055	WEB TECHNOLOGIES	20	26	3
14VV1A1244	RT32056	IPR AND PATENTS	26	36	2
14VV1A1244	RT32121	SOFTWARE TESTING	23	25	3
14VV1A1244	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	45	2
14VV1A1244	RT32128	SOFTWARE TESTING LAB	23	44	2
14VV1A1244	RT32129	WEB TECHNOLOGIES LAB	20	44	2
14VV1A1245	RT32052	DATA WARE HOUSING AND MINING	24	31	3
14VV1A1245	RT32053	COMPUTER NETWORKS	24	50	3
14VV1A1245	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	23	42	3
14VV1A1245	RT32055	WEB TECHNOLOGIES	23	39	3
14VV1A1245	RT32056	IPR AND PATENTS	26	44	2
14VV1A1245	RT32121	SOFTWARE TESTING	24	38	3
14VV1A1245	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	41	2
14VV1A1245	RT32128	SOFTWARE TESTING LAB	20	40	2
14VV1A1245	RT32129	WEB TECHNOLOGIES LAB	20	43	2
14VV1A1246	RT32052	DATA WARE HOUSING AND MINING	26	36	3
14VV1A1246	RT32053	COMPUTER NETWORKS	25	54	3
14VV1A1246	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	50	3
14VV1A1246	RT32055	WEB TECHNOLOGIES	24	40	3
14VV1A1246	RT32056	IPR AND PATENTS	28	49	2
14VV1A1246	RT32121	SOFTWARE TESTING	26	50	3
14VV1A1246	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	49	2
14VV1A1246	RT32128	SOFTWARE TESTING LAB	23	48	2
14VV1A1246	RT32129	WEB TECHNOLOGIES LAB	18	44	2
14VV1A1247	RT32052	DATA WARE HOUSING AND MINING	27	41	3
14VV1A1247	RT32053	COMPUTER NETWORKS	27	61	3
14VV1A1247	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	53	3
14VV1A1247	RT32055	WEB TECHNOLOGIES	27	43	3
14VV1A1247	RT32056	IPR AND PATENTS	27	44	2
14VV1A1247	RT32121	SOFTWARE TESTING	28	52	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1247	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	24	49	2
14VV1A1247	RT32128	SOFTWARE TESTING LAB	21	42	2
14VV1A1247	RT32129	WEB TECHNOLOGIES LAB	22	48	2
14VV1A1248	RT32052	DATA WARE HOUSING AND MINING	27	33	3
14VV1A1248	RT32053	COMPUTER NETWORKS	25	44	3
14VV1A1248	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	-1	0
14VV1A1248	RT32055	WEB TECHNOLOGIES	22	-1	0
14VV1A1248	RT32056	IPR AND PATENTS	24	-1	0
14VV1A1248	RT32121	SOFTWARE TESTING	25	47	3
14VV1A1248	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	44	2
14VV1A1248	RT32128	SOFTWARE TESTING LAB	21	43	2
14VV1A1248	RT32129	WEB TECHNOLOGIES LAB	21	44	2
14VV1A1249	RT32052	DATA WARE HOUSING AND MINING	23	37	3
14VV1A1249	RT32053	COMPUTER NETWORKS	26	51	3
14VV1A1249	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	49	3
14VV1A1249	RT32055	WEB TECHNOLOGIES	27	41	3
14VV1A1249	RT32056	IPR AND PATENTS	27	43	2
14VV1A1249	RT32121	SOFTWARE TESTING	26	49	3
14VV1A1249	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	46	2
14VV1A1249	RT32128	SOFTWARE TESTING LAB	23	44	2
14VV1A1249	RT32129	WEB TECHNOLOGIES LAB	22	48	2
14VV1A1251	RT32052	DATA WARE HOUSING AND MINING	26	36	3
14VV1A1251	RT32053	COMPUTER NETWORKS	24	49	3
14VV1A1251	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	49	3
14VV1A1251	RT32055	WEB TECHNOLOGIES	21	44	3
14VV1A1251	RT32056	IPR AND PATENTS	27	46	2
14VV1A1251	RT32121	SOFTWARE TESTING	26	39	3
14VV1A1251	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	45	2
14VV1A1251	RT32128	SOFTWARE TESTING LAB	23	43	2
14VV1A1251	RT32129	WEB TECHNOLOGIES LAB	18	46	2
14VV1A1252	RT32052	DATA WARE HOUSING AND MINING	26	28	3
14VV1A1252	RT32053	COMPUTER NETWORKS	27	54	3
14VV1A1252	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	58	3
14VV1A1252	RT32055	WEB TECHNOLOGIES	26	38	3
14VV1A1252	RT32056	IPR AND PATENTS	28	46	2
14VV1A1252	RT32121	SOFTWARE TESTING	26	46	3
14VV1A1252	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	24	46	2
14VV1A1252	RT32128	SOFTWARE TESTING LAB	23	44	2
14VV1A1252	RT32129	WEB TECHNOLOGIES LAB	21	45	2
14VV1A1253	RT32052	DATA WARE HOUSING AND MINING	25	32	3
14VV1A1253	RT32053	COMPUTER NETWORKS	24	54	3
14VV1A1253	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	25	43	3
14VV1A1253	RT32055	WEB TECHNOLOGIES	25	36	3
14VV1A1253	RT32056	IPR AND PATENTS	24	46	2
14VV1A1253	RT32121	SOFTWARE TESTING	25	34	3
14VV1A1253	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	22	43	2
14VV1A1253	RT32128	SOFTWARE TESTING LAB	21	40	2
14VV1A1253	RT32129	WEB TECHNOLOGIES LAB	22	44	2
14VV1A1254	RT32052	DATA WARE HOUSING AND MINING	20	24	3
14VV1A1254	RT32053	COMPUTER NETWORKS	25	24	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A1254	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	24	3
14VV1A1254	RT32055	WEB TECHNOLOGIES	22	13	0
14VV1A1254	RT32056	IPR AND PATENTS	24	37	2
14VV1A1254	RT32121	SOFTWARE TESTING	21	34	3
14VV1A1254	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	40	2
14VV1A1254	RT32128	SOFTWARE TESTING LAB	19	41	2
14VV1A1254	RT32129	WEB TECHNOLOGIES LAB	20	44	2
14VV1A1256	RT32052	DATA WARE HOUSING AND MINING	26	24	3
14VV1A1256	RT32053	COMPUTER NETWORKS	25	28	3
14VV1A1256	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	31	3
14VV1A1256	RT32055	WEB TECHNOLOGIES	26	34	3
14VV1A1256	RT32056	IPR AND PATENTS	23	37	2
14VV1A1256	RT32121	SOFTWARE TESTING	25	29	3
14VV1A1256	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	46	2
14VV1A1256	RT32128	SOFTWARE TESTING LAB	24	47	2
14VV1A1256	RT32129	WEB TECHNOLOGIES LAB	24	49	2
14VV1A1257	RT32052	DATA WARE HOUSING AND MINING	25	34	3
14VV1A1257	RT32053	COMPUTER NETWORKS	27	54	3
14VV1A1257	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	60	3
14VV1A1257	RT32055	WEB TECHNOLOGIES	24	48	3
14VV1A1257	RT32056	IPR AND PATENTS	26	43	2
14VV1A1257	RT32121	SOFTWARE TESTING	27	49	3
14VV1A1257	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	24	44	2
14VV1A1257	RT32128	SOFTWARE TESTING LAB	21	42	2
14VV1A1257	RT32129	WEB TECHNOLOGIES LAB	21	44	2
14VV1A3101	MT321	COMPOSITES	22	46	3
14VV1A3101	MT322	STEEL MAKING	19	42	3
14VV1A3101	MT323	MECHANICAL METALLURGY	21	44	3
14VV1A3101	MT324	WELDING TECHNOLOGY	19	52	3
14VV1A3101	MT325	HEAT TREATMENT TECHNOLOGY	19	52	3
14VV1A3101	MT326	WELDING TECHNOLOGY LAB	20	42	2
14VV1A3101	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	45	2
14VV1A3101	MT328	MECHANICAL METALLURGY LAB	20	44	2
14VV1A3102	MT321	COMPOSITES	22	45	3
14VV1A3102	MT322	STEEL MAKING	24	31	3
14VV1A3102	MT323	MECHANICAL METALLURGY	26	44	3
14VV1A3102	MT324	WELDING TECHNOLOGY	21	48	3
14VV1A3102	MT325	HEAT TREATMENT TECHNOLOGY	20	46	3
14VV1A3102	MT326	WELDING TECHNOLOGY LAB	19	40	2
14VV1A3102	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	40	2
14VV1A3102	MT328	MECHANICAL METALLURGY LAB	21	41	2
14VV1A3103	MT321	COMPOSITES	25	49	3
14VV1A3103	MT322	STEEL MAKING	25	39	3
14VV1A3103	MT323	MECHANICAL METALLURGY	27	44	3
14VV1A3103	MT324	WELDING TECHNOLOGY	20	52	3
14VV1A3103	MT325	HEAT TREATMENT TECHNOLOGY	22	42	3
14VV1A3103	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3103	MT327	HEAT TREATMENT TECHNOLOGY LAB	23	47	2
14VV1A3103	MT328	MECHANICAL METALLURGY LAB	22	47	2
14VV1A3104	MT321	COMPOSITES	24	49	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A3104	MT322	STEEL MAKING	18	32	3
14VV1A3104	MT323	MECHANICAL METALLURGY	18	50	3
14VV1A3104	MT324	WELDING TECHNOLOGY	19	50	3
14VV1A3104	MT325	HEAT TREATMENT TECHNOLOGY	21	56	3
14VV1A3104	MT326	WELDING TECHNOLOGY LAB	19	38	2
14VV1A3104	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	44	2
14VV1A3104	MT328	MECHANICAL METALLURGY LAB	20	44	2
14VV1A3105	MT321	COMPOSITES	23	54	3
14VV1A3105	MT322	STEEL MAKING	26	54	3
14VV1A3105	MT323	MECHANICAL METALLURGY	24	52	3
14VV1A3105	MT324	WELDING TECHNOLOGY	20	50	3
14VV1A3105	MT325	HEAT TREATMENT TECHNOLOGY	25	60	3
14VV1A3105	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3105	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	45	2
14VV1A3105	MT328	MECHANICAL METALLURGY LAB	21	44	2
14VV1A3106	MT321	COMPOSITES	20	40	3
14VV1A3106	MT322	STEEL MAKING	12	37	3
14VV1A3106	MT323	MECHANICAL METALLURGY	20	38	3
14VV1A3106	MT324	WELDING TECHNOLOGY	18	48	3
14VV1A3106	MT325	HEAT TREATMENT TECHNOLOGY	21	44	3
14VV1A3106	MT326	WELDING TECHNOLOGY LAB	20	36	2
14VV1A3106	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	36	2
14VV1A3106	MT328	MECHANICAL METALLURGY LAB	18	36	2
14VV1A3107	MT321	COMPOSITES	25	52	3
14VV1A3107	MT322	STEEL MAKING	18	35	3
14VV1A3107	MT323	MECHANICAL METALLURGY	26	58	3
14VV1A3107	MT324	WELDING TECHNOLOGY	20	46	3
14VV1A3107	MT325	HEAT TREATMENT TECHNOLOGY	24	58	3
14VV1A3107	MT326	WELDING TECHNOLOGY LAB	19	38	2
14VV1A3107	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	42	2
14VV1A3107	MT328	MECHANICAL METALLURGY LAB	22	43	2
14VV1A3108	MT321	COMPOSITES	23	49	3
14VV1A3108	MT322	STEEL MAKING	23	49	3
14VV1A3108	MT323	MECHANICAL METALLURGY	26	52	3
14VV1A3108	MT324	WELDING TECHNOLOGY	18	46	3
14VV1A3108	MT325	HEAT TREATMENT TECHNOLOGY	19	42	3
14VV1A3108	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3108	MT327	HEAT TREATMENT TECHNOLOGY LAB	22	43	2
14VV1A3108	MT328	MECHANICAL METALLURGY LAB	22	41	2
14VV1A3109	MT321	COMPOSITES	18	40	3
14VV1A3109	MT322	STEEL MAKING	15	31	3
14VV1A3109	MT323	MECHANICAL METALLURGY	20	38	3
14VV1A3109	MT324	WELDING TECHNOLOGY	15	40	3
14VV1A3109	MT325	HEAT TREATMENT TECHNOLOGY	16	38	3
14VV1A3109	MT326	WELDING TECHNOLOGY LAB	19	38	2
14VV1A3109	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	41	2
14VV1A3109	MT328	MECHANICAL METALLURGY LAB	22	40	2
14VV1A3110	MT321	COMPOSITES	24	41	3
14VV1A3110	MT322	STEEL MAKING	28	41	3
14VV1A3110	MT323	MECHANICAL METALLURGY	26	48	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A3110	MT324	WELDING TECHNOLOGY	19	48	3
14VV1A3110	MT325	HEAT TREATMENT TECHNOLOGY	24	54	3
14VV1A3110	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3110	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	44	2
14VV1A3110	MT328	MECHANICAL METALLURGY LAB	22	42	2
14VV1A3111	MT321	COMPOSITES	28	54	3
14VV1A3111	MT322	STEEL MAKING	29	54	3
14VV1A3111	MT323	MECHANICAL METALLURGY	29	56	3
14VV1A3111	MT324	WELDING TECHNOLOGY	29	48	3
14VV1A3111	MT325	HEAT TREATMENT TECHNOLOGY	27	60	3
14VV1A3111	MT326	WELDING TECHNOLOGY LAB	20	44	2
14VV1A3111	MT327	HEAT TREATMENT TECHNOLOGY LAB	24	47	2
14VV1A3111	MT328	MECHANICAL METALLURGY LAB	23	48	2
14VV1A3112	MT321	COMPOSITES	24	50	3
14VV1A3112	MT322	STEEL MAKING	27	42	3
14VV1A3112	MT323	MECHANICAL METALLURGY	26	50	3
14VV1A3112	MT324	WELDING TECHNOLOGY	16	52	3
14VV1A3112	MT325	HEAT TREATMENT TECHNOLOGY	20	58	3
14VV1A3112	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3112	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	43	2
14VV1A3112	MT328	MECHANICAL METALLURGY LAB	21	39	2
14VV1A3113	MT321	COMPOSITES	28	47	3
14VV1A3113	MT322	STEEL MAKING	26	46	3
14VV1A3113	MT323	MECHANICAL METALLURGY	22	48	3
14VV1A3113	MT324	WELDING TECHNOLOGY	25	54	3
14VV1A3113	MT325	HEAT TREATMENT TECHNOLOGY	24	52	3
14VV1A3113	MT326	WELDING TECHNOLOGY LAB	21	40	2
14VV1A3113	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	45	2
14VV1A3113	MT328	MECHANICAL METALLURGY LAB	20	42	2
14VV1A3114	MT321	COMPOSITES	21	47	3
14VV1A3114	MT322	STEEL MAKING	24	39	3
14VV1A3114	MT323	MECHANICAL METALLURGY	20	46	3
14VV1A3114	MT324	WELDING TECHNOLOGY	16	40	3
14VV1A3114	MT325	HEAT TREATMENT TECHNOLOGY	19	44	3
14VV1A3114	MT326	WELDING TECHNOLOGY LAB	20	34	2
14VV1A3114	MT327	HEAT TREATMENT TECHNOLOGY LAB	22	46	2
14VV1A3114	MT328	MECHANICAL METALLURGY LAB	21	43	2
14VV1A3115	MT321	COMPOSITES	22	46	3
14VV1A3115	MT322	STEEL MAKING	24	44	3
14VV1A3115	MT323	MECHANICAL METALLURGY	20	48	3
14VV1A3115	MT324	WELDING TECHNOLOGY	16	50	3
14VV1A3115	MT325	HEAT TREATMENT TECHNOLOGY	22	50	3
14VV1A3115	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3115	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	43	2
14VV1A3115	MT328	MECHANICAL METALLURGY LAB	22	44	2
14VV1A3116	MT321	COMPOSITES	28	49	3
14VV1A3116	MT322	STEEL MAKING	29	44	3
14VV1A3116	MT323	MECHANICAL METALLURGY	26	58	3
14VV1A3116	MT324	WELDING TECHNOLOGY	22	48	3
14VV1A3116	MT325	HEAT TREATMENT TECHNOLOGY	24	56	3

Htno	Subcode	Subname	Internal	External	Credits
14VV1A3116	MT326	WELDING TECHNOLOGY LAB	20	40	2
14VV1A3116	MT327	HEAT TREATMENT TECHNOLOGY LAB	22	43	2
14VV1A3116	MT328	MECHANICAL METALLURGY LAB	21	41	2
14VV1A3117	MT321	COMPOSITES	25	47	3
14VV1A3117	MT322	STEEL MAKING	29	41	3
14VV1A3117	MT323	MECHANICAL METALLURGY	23	52	3
14VV1A3117	MT324	WELDING TECHNOLOGY	25	48	3
14VV1A3117	MT325	HEAT TREATMENT TECHNOLOGY	23	54	3
14VV1A3117	MT326	WELDING TECHNOLOGY LAB	21	40	2
14VV1A3117	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	45	2
14VV1A3117	MT328	MECHANICAL METALLURGY LAB	21	39	2
14VV1A3119	MT321	COMPOSITES	23	48	3
14VV1A3119	MT322	STEEL MAKING	19	31	3
14VV1A3119	MT323	MECHANICAL METALLURGY	25	40	3
14VV1A3119	MT324	WELDING TECHNOLOGY	18	54	3
14VV1A3119	MT325	HEAT TREATMENT TECHNOLOGY	20	42	3
14VV1A3119	MT326	WELDING TECHNOLOGY LAB	19	38	2
14VV1A3119	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	41	2
14VV1A3119	MT328	MECHANICAL METALLURGY LAB	20	41	2
14VV1A3120	MT321	COMPOSITES	22	52	3
14VV1A3120	MT322	STEEL MAKING	29	57	3
14VV1A3120	MT323	MECHANICAL METALLURGY	25	46	3
14VV1A3120	MT324	WELDING TECHNOLOGY	23	50	3
14VV1A3120	MT325	HEAT TREATMENT TECHNOLOGY	24	56	3
14VV1A3120	MT326	WELDING TECHNOLOGY LAB	21	42	2
14VV1A3120	MT327	HEAT TREATMENT TECHNOLOGY LAB	23	47	2
14VV1A3120	MT328	MECHANICAL METALLURGY LAB	23	46	2
14VV1A3121	MT321	COMPOSITES	22	41	3
14VV1A3121	MT322	STEEL MAKING	26	41	3
14VV1A3121	MT323	MECHANICAL METALLURGY	26	46	3
14VV1A3121	MT324	WELDING TECHNOLOGY	18	42	3
14VV1A3121	MT325	HEAT TREATMENT TECHNOLOGY	22	44	3
14VV1A3121	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3121	MT327	HEAT TREATMENT TECHNOLOGY LAB	22	45	2
14VV1A3121	MT328	MECHANICAL METALLURGY LAB	20	47	2
14VV1A3122	MT321	COMPOSITES	20	41	3
14VV1A3122	MT322	STEEL MAKING	27	28	3
14VV1A3122	MT323	MECHANICAL METALLURGY	25	54	3
14VV1A3122	MT324	WELDING TECHNOLOGY	23	50	3
14VV1A3122	MT325	HEAT TREATMENT TECHNOLOGY	24	50	3
14VV1A3122	MT326	WELDING TECHNOLOGY LAB	20	40	2
14VV1A3122	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	42	2
14VV1A3122	MT328	MECHANICAL METALLURGY LAB	20	40	2
14VV1A3123	MT321	COMPOSITES	26	45	3
14VV1A3123	MT322	STEEL MAKING	29	54	3
14VV1A3123	MT323	MECHANICAL METALLURGY	27	54	3
14VV1A3123	MT324	WELDING TECHNOLOGY	26	54	3
14VV1A3123	MT325	HEAT TREATMENT TECHNOLOGY	24	54	3
14VV1A3123	MT326	WELDING TECHNOLOGY LAB	20	47	2
14VV1A3123	MT327	HEAT TREATMENT TECHNOLOGY LAB	24	49	2

Htno	Subcode	Subname	Internal	External	Credits
14VV1A3123	MT328	MECHANICAL METALLURGY LAB	23	48	2
14VV1A3124	MT321	COMPOSITES	21	42	3
14VV1A3124	MT322	STEEL MAKING	19	28	3
14VV1A3124	MT323	MECHANICAL METALLURGY	16	40	3
14VV1A3124	MT324	WELDING TECHNOLOGY	14	44	3
14VV1A3124	MT325	HEAT TREATMENT TECHNOLOGY	17	50	3
14VV1A3124	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3124	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	38	2
14VV1A3124	MT328	MECHANICAL METALLURGY LAB	20	37	2
14VV1A3125	MT321	COMPOSITES	22	53	3
14VV1A3125	MT322	STEEL MAKING	24	42	3
14VV1A3125	MT323	MECHANICAL METALLURGY	23	58	3
14VV1A3125	MT324	WELDING TECHNOLOGY	23	54	3
14VV1A3125	MT325	HEAT TREATMENT TECHNOLOGY	23	60	3
14VV1A3125	MT326	WELDING TECHNOLOGY LAB	21	38	2
14VV1A3125	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	42	2
14VV1A3125	MT328	MECHANICAL METALLURGY LAB	19	45	2
14VV1A3126	MT321	COMPOSITES	11	29	3
14VV1A3126	MT322	STEEL MAKING	13	16	0
14VV1A3126	MT323	MECHANICAL METALLURGY	13	39	3
14VV1A3126	MT324	WELDING TECHNOLOGY	12	37	3
14VV1A3126	MT325	HEAT TREATMENT TECHNOLOGY	13	39	3
14VV1A3126	MT326	WELDING TECHNOLOGY LAB	19	34	2
14VV1A3126	MT327	HEAT TREATMENT TECHNOLOGY LAB	19	37	2
14VV1A3126	MT328	MECHANICAL METALLURGY LAB	17	35	2
14VV1A3127	MT321	COMPOSITES	23	44	3
14VV1A3127	MT322	STEEL MAKING	29	39	3
14VV1A3127	MT323	MECHANICAL METALLURGY	27	54	3
14VV1A3127	MT324	WELDING TECHNOLOGY	21	52	3
14VV1A3127	MT325	HEAT TREATMENT TECHNOLOGY	25	44	3
14VV1A3127	MT326	WELDING TECHNOLOGY LAB	19	42	2
14VV1A3127	MT327	HEAT TREATMENT TECHNOLOGY LAB	23	46	2
14VV1A3127	MT328	MECHANICAL METALLURGY LAB	23	46	2
14VV1A3128	MT321	COMPOSITES	22	45	3
14VV1A3128	MT322	STEEL MAKING	27	40	3
14VV1A3128	MT323	MECHANICAL METALLURGY	21	40	3
14VV1A3128	MT324	WELDING TECHNOLOGY	16	44	3
14VV1A3128	MT325	HEAT TREATMENT TECHNOLOGY	22	40	3
14VV1A3128	MT326	WELDING TECHNOLOGY LAB	19	36	2
14VV1A3128	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	42	2
14VV1A3128	MT328	MECHANICAL METALLURGY LAB	19	41	2
14VV1A3129	MT321	COMPOSITES	22	42	3
14VV1A3129	MT322	STEEL MAKING	24	31	3
14VV1A3129	MT323	MECHANICAL METALLURGY	23	52	3
14VV1A3129	MT324	WELDING TECHNOLOGY	19	50	3
14VV1A3129	MT325	HEAT TREATMENT TECHNOLOGY	22	48	3
14VV1A3129	MT326	WELDING TECHNOLOGY LAB	20	38	2
14VV1A3129	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	43	2
14VV1A3129	MT328	MECHANICAL METALLURGY LAB	21	42	2
15VV5A0131	RT32011	ENVIRONMENTAL ENGINEERING â€” I	28	46	3

Htno	Subcode	Subname	Internal	External	Credits
15VV5A0131	RT32012	GEOTECHNICAL ENGINEERING â€“ II	26	57	3
15VV5A0131	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	30	51	3
15VV5A0131	RT32014	WATER RESOURCES ENGINEERINGâ€“I	26	42	3
15VV5A0131	RT32015	TRANSPORTATION ENGINEERING â€“ II	28	46	3
15VV5A0131	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	26	47	3
15VV5A0131	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2
15VV5A0131	RT32018	TRANSPORTATION ENGINEERING LAB	23	47	2
15VV5A0132	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	27	50	3
15VV5A0132	RT32012	GEOTECHNICAL ENGINEERING â€“ II	27	51	3
15VV5A0132	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	53	3
15VV5A0132	RT32014	WATER RESOURCES ENGINEERINGâ€“I	26	47	3
15VV5A0132	RT32015	TRANSPORTATION ENGINEERING â€“ II	23	50	3
15VV5A0132	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	27	43	3
15VV5A0132	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	68	2
15VV5A0132	RT32018	TRANSPORTATION ENGINEERING LAB	22	46	2
15VV5A0133	RT32011	ENVIRONMENTAL ENGINEERING â€“ I	20	50	3
15VV5A0133	RT32012	GEOTECHNICAL ENGINEERING â€“ II	26	51	3
15VV5A0133	RT32013	DESIGN AND DRAWING OF STEEL STRUCTURES	29	48	3
15VV5A0133	RT32014	WATER RESOURCES ENGINEERINGâ€“I	25	50	3
15VV5A0133	RT32015	TRANSPORTATION ENGINEERING â€“ II	27	46	3
15VV5A0133	RT32016A	ENVIRONMENTAL POLLUTION AND CONTROL	28	51	3
15VV5A0133	RT32017	COMPUTER AIDED ENGINEERING DRAWING	29	69	2
15VV5A0133	RT32018	TRANSPORTATION ENGINEERING LAB	22	46	2
15VV5A0261	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	42	3
15VV5A0261	RT32022	SWITCHGEAR AND PROTECTION	17	48	3
15VV5A0261	RT32023	UTILIZATION OF ELECTRICAL ENERGY	22	48	3
15VV5A0261	RT32024	POWER SYSTEM ANALYSIS	22	42	3
15VV5A0261	RT32025	MANAGEMENT SCIENCE	22	54	3
15VV5A0261	RT32026	POWER SEMICONDUCTOR DRIVES	21	54	3
15VV5A0261	RT32027	POWER ELECTRONICS LAB	21	42	2
15VV5A0261	RT32028	ELECTRICAL MEASUREMENTS LAB	20	44	2
15VV5A0262	RT32021	MICROPROCESSORS & MICROCONTROLLERS	23	30	3
15VV5A0262	RT32022	SWITCHGEAR AND PROTECTION	25	47	3
15VV5A0262	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	37	3
15VV5A0262	RT32024	POWER SYSTEM ANALYSIS	22	42	3
15VV5A0262	RT32025	MANAGEMENT SCIENCE	22	47	3
15VV5A0262	RT32026	POWER SEMICONDUCTOR DRIVES	18	38	3
15VV5A0262	RT32027	POWER ELECTRONICS LAB	20	34	2
15VV5A0262	RT32028	ELECTRICAL MEASUREMENTS LAB	19	40	2
15VV5A0263	RT32021	MICROPROCESSORS & MICROCONTROLLERS	18	12	0
15VV5A0263	RT32022	SWITCHGEAR AND PROTECTION	17	41	3
15VV5A0263	RT32023	UTILIZATION OF ELECTRICAL ENERGY	20	34	3
15VV5A0263	RT32024	POWER SYSTEM ANALYSIS	21	30	3
15VV5A0263	RT32025	MANAGEMENT SCIENCE	22	47	3
15VV5A0263	RT32026	POWER SEMICONDUCTOR DRIVES	12	46	3
15VV5A0263	RT32027	POWER ELECTRONICS LAB	23	32	2
15VV5A0263	RT32028	ELECTRICAL MEASUREMENTS LAB	18	35	2
15VV5A0265	RT32021	MICROPROCESSORS & MICROCONTROLLERS	25	34	3
15VV5A0265	RT32022	SWITCHGEAR AND PROTECTION	25	43	3
15VV5A0265	RT32023	UTILIZATION OF ELECTRICAL ENERGY	22	48	3



Htno	Subcode	Subname	Internal	External	Credits
15VV5A0265	RT32024	POWER SYSTEM ANALYSIS	25	43	3
15VV5A0265	RT32025	MANAGEMENT SCIENCE	22	51	3
15VV5A0265	RT32026	POWER SEMICONDUCTOR DRIVES	22	40	3
15VV5A0265	RT32027	POWER ELECTRONICS LAB	23	40	2
15VV5A0265	RT32028	ELECTRICAL MEASUREMENTS LAB	20	43	2
15VV5A0266	RT32021	MICROPROCESSORS & MICROCONTROLLERS	27	30	3
15VV5A0266	RT32022	SWITCHGEAR AND PROTECTION	25	45	3
15VV5A0266	RT32023	UTILIZATION OF ELECTRICAL ENERGY	29	48	3
15VV5A0266	RT32024	POWER SYSTEM ANALYSIS	26	30	3
15VV5A0266	RT32025	MANAGEMENT SCIENCE	28	42	3
15VV5A0266	RT32026	POWER SEMICONDUCTOR DRIVES	25	32	3
15VV5A0266	RT32027	POWER ELECTRONICS LAB	23	45	2
15VV5A0266	RT32028	ELECTRICAL MEASUREMENTS LAB	22	42	2
15VV5A0267	RT32021	MICROPROCESSORS & MICROCONTROLLERS	27	38	3
15VV5A0267	RT32022	SWITCHGEAR AND PROTECTION	26	44	3
15VV5A0267	RT32023	UTILIZATION OF ELECTRICAL ENERGY	28	48	3
15VV5A0267	RT32024	POWER SYSTEM ANALYSIS	25	39	3
15VV5A0267	RT32025	MANAGEMENT SCIENCE	26	52	3
15VV5A0267	RT32026	POWER SEMICONDUCTOR DRIVES	21	42	3
15VV5A0267	RT32027	POWER ELECTRONICS LAB	23	45	2
15VV5A0267	RT32028	ELECTRICAL MEASUREMENTS LAB	21	46	2
15VV5A0268	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	24	3
15VV5A0268	RT32022	SWITCHGEAR AND PROTECTION	19	47	3
15VV5A0268	RT32023	UTILIZATION OF ELECTRICAL ENERGY	23	53	3
15VV5A0268	RT32024	POWER SYSTEM ANALYSIS	21	32	3
15VV5A0268	RT32025	MANAGEMENT SCIENCE	23	47	3
15VV5A0268	RT32026	POWER SEMICONDUCTOR DRIVES	20	47	3
15VV5A0268	RT32027	POWER ELECTRONICS LAB	19	39	2
15VV5A0268	RT32028	ELECTRICAL MEASUREMENTS LAB	21	43	2
15VV5A0269	RT32021	MICROPROCESSORS & MICROCONTROLLERS	21	26	3
15VV5A0269	RT32022	SWITCHGEAR AND PROTECTION	24	50	3
15VV5A0269	RT32023	UTILIZATION OF ELECTRICAL ENERGY	20	31	3
15VV5A0269	RT32024	POWER SYSTEM ANALYSIS	18	30	3
15VV5A0269	RT32025	MANAGEMENT SCIENCE	23	48	3
15VV5A0269	RT32026	POWER SEMICONDUCTOR DRIVES	14	31	3
15VV5A0269	RT32027	POWER ELECTRONICS LAB	17	20	2
15VV5A0269	RT32028	ELECTRICAL MEASUREMENTS LAB	17	36	2
15VV5A0270	RT32021	MICROPROCESSORS & MICROCONTROLLERS	24	36	3
15VV5A0270	RT32022	SWITCHGEAR AND PROTECTION	23	51	3
15VV5A0270	RT32023	UTILIZATION OF ELECTRICAL ENERGY	25	50	3
15VV5A0270	RT32024	POWER SYSTEM ANALYSIS	23	30	3
15VV5A0270	RT32025	MANAGEMENT SCIENCE	24	55	3
15VV5A0270	RT32026	POWER SEMICONDUCTOR DRIVES	21	42	3
15VV5A0270	RT32027	POWER ELECTRONICS LAB	21	39	2
15VV5A0270	RT32028	ELECTRICAL MEASUREMENTS LAB	21	45	2
15VV5A0361	RT32031	OPERATIONS RESEARCH	27	48	3
15VV5A0361	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	42	3
15VV5A0361	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	26	52	3
15VV5A0361	RT32034	ROBOTICS	24	52	3
15VV5A0361	RT32035	HEAT TRANSFER	27	53	3

Htno	Subcode	Subname	Internal	External	Credits
15VV5A0361	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	29	46	3
15VV5A0361	RT32037A	REFRIGERATION & AIR CONDITIONING	25	57	3
15VV5A0361	RT32038	HEAT TRANSFER LAB	24	48	2
15VV5A0362	RT32031	OPERATIONS RESEARCH	19	31	3
15VV5A0362	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	31	3
15VV5A0362	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	18	37	3
15VV5A0362	RT32034	ROBOTICS	20	39	3
15VV5A0362	RT32035	HEAT TRANSFER	20	41	3
15VV5A0362	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	25	51	3
15VV5A0362	RT32037A	REFRIGERATION & AIR CONDITIONING	17	32	3
15VV5A0362	RT32038	HEAT TRANSFER LAB	20	40	2
15VV5A0363	RT32031	OPERATIONS RESEARCH	23	42	3
15VV5A0363	RT32032	INTERACTIVE COMPUTER GRAPHICS	22	35	3
15VV5A0363	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	23	46	3
15VV5A0363	RT32034	ROBOTICS	21	51	3
15VV5A0363	RT32035	HEAT TRANSFER	21	48	3
15VV5A0363	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	52	3
15VV5A0363	RT32037A	REFRIGERATION & AIR CONDITIONING	19	49	3
15VV5A0363	RT32038	HEAT TRANSFER LAB	22	45	2
15VV5A0364	RT32031	OPERATIONS RESEARCH	23	45	3
15VV5A0364	RT32032	INTERACTIVE COMPUTER GRAPHICS	26	42	3
15VV5A0364	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	27	55	3
15VV5A0364	RT32034	ROBOTICS	24	51	3
15VV5A0364	RT32035	HEAT TRANSFER	24	43	3
15VV5A0364	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	49	3
15VV5A0364	RT32037A	REFRIGERATION & AIR CONDITIONING	21	41	3
15VV5A0364	RT32038	HEAT TRANSFER LAB	21	46	2
15VV5A0365	RT32031	OPERATIONS RESEARCH	22	40	3
15VV5A0365	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	38	3
15VV5A0365	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	23	56	3
15VV5A0365	RT32034	ROBOTICS	25	46	3
15VV5A0365	RT32035	HEAT TRANSFER	22	46	3
15VV5A0365	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	24	52	3
15VV5A0365	RT32037A	REFRIGERATION & AIR CONDITIONING	18	40	3
15VV5A0365	RT32038	HEAT TRANSFER LAB	21	46	2
15VV5A0366	RT32031	OPERATIONS RESEARCH	25	45	3
15VV5A0366	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	34	3
15VV5A0366	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	26	43	3
15VV5A0366	RT32034	ROBOTICS	23	53	3
15VV5A0366	RT32035	HEAT TRANSFER	26	32	3
15VV5A0366	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	28	48	3
15VV5A0366	RT32037A	REFRIGERATION & AIR CONDITIONING	25	52	3
15VV5A0366	RT32038	HEAT TRANSFER LAB	23	47	2
15VV5A0367	RT32031	OPERATIONS RESEARCH	23	46	3
15VV5A0367	RT32032	INTERACTIVE COMPUTER GRAPHICS	25	41	3
15VV5A0367	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	25	52	3
15VV5A0367	RT32034	ROBOTICS	24	44	3
15VV5A0367	RT32035	HEAT TRANSFER	23	57	3
15VV5A0367	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	26	46	3
15VV5A0367	RT32037A	REFRIGERATION & AIR CONDITIONING	21	49	3

Htno	Subcode	Subname	Internal	External	Credits
15VV5A0367	RT32038	HEAT TRANSFER LAB	23	48	2
15VV5A0368	RT32031	OPERATIONS RESEARCH	20	33	3
15VV5A0368	RT32032	INTERACTIVE COMPUTER GRAPHICS	23	51	3
15VV5A0368	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	23	47	3
15VV5A0368	RT32034	ROBOTICS	22	53	3
15VV5A0368	RT32035	HEAT TRANSFER	20	43	3
15VV5A0368	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	27	48	3
15VV5A0368	RT32037A	REFRIGERATION & AIR CONDITIONING	21	53	3
15VV5A0368	RT32038	HEAT TRANSFER LAB	21	45	2
15VV5A0369	RT32031	OPERATIONS RESEARCH	23	39	3
15VV5A0369	RT32032	INTERACTIVE COMPUTER GRAPHICS	20	28	3
15VV5A0369	RT32033	DESIGN OF MACHINE MEMBERSâ€™ II	22	32	3
15VV5A0369	RT32034	ROBOTICS	22	47	3
15VV5A0369	RT32035	HEAT TRANSFER	17	24	3
15VV5A0369	RT32036	INDUSTRIAL ENGINEERING MANAGEMENT	20	52	3
15VV5A0369	RT32037A	REFRIGERATION & AIR CONDITIONING	22	30	3
15VV5A0369	RT32038	HEAT TRANSFER LAB	21	42	2
15VV5A0461	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	30	3
15VV5A0461	RT32042	DIGITAL SIGNAL PROCESSING	20	46	3
15VV5A0461	RT32043	DIGITAL COMMUNICATIONS	24	59	3
15VV5A0461	RT32044	MICROWAVE ENGINEERING	26	46	3
15VV5A0461	RT32045A	BIO MEDICAL ENGINEERING	22	37	3
15VV5A0461	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	44	2
15VV5A0461	RT32047	DIGITAL COMMUNICATIONS LAB	23	47	2
15VV5A0461	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	40	2
15VV5A0461	RT32049	SEMINAR	42	0	1
15VV5A0462	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	28	50	3
15VV5A0462	RT32042	DIGITAL SIGNAL PROCESSING	29	54	3
15VV5A0462	RT32043	DIGITAL COMMUNICATIONS	30	69	3
15VV5A0462	RT32044	MICROWAVE ENGINEERING	28	64	3
15VV5A0462	RT32045A	BIO MEDICAL ENGINEERING	29	60	3
15VV5A0462	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	49	2
15VV5A0462	RT32047	DIGITAL COMMUNICATIONS LAB	25	47	2
15VV5A0462	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	46	2
15VV5A0462	RT32049	SEMINAR	48	0	1
15VV5A0463	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	32	3
15VV5A0463	RT32042	DIGITAL SIGNAL PROCESSING	21	36	3
15VV5A0463	RT32043	DIGITAL COMMUNICATIONS	25	55	3
15VV5A0463	RT32044	MICROWAVE ENGINEERING	23	49	3
15VV5A0463	RT32045A	BIO MEDICAL ENGINEERING	18	31	3
15VV5A0463	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	48	2
15VV5A0463	RT32047	DIGITAL COMMUNICATIONS LAB	17	45	2
15VV5A0463	RT32048	DIGITAL SIGNAL PROCESSING LAB	23	43	2
15VV5A0463	RT32049	SEMINAR	42	0	1
15VV5A0464	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	23	40	3
15VV5A0464	RT32042	DIGITAL SIGNAL PROCESSING	21	38	3
15VV5A0464	RT32043	DIGITAL COMMUNICATIONS	25	67	3
15VV5A0464	RT32044	MICROWAVE ENGINEERING	23	43	3
15VV5A0464	RT32045A	BIO MEDICAL ENGINEERING	25	45	3
15VV5A0464	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	40	2

Htno	Subcode	Subname	Internal	External	Credits
15VV5A0464	RT32047	DIGITAL COMMUNICATIONS LAB	23	43	2
15VV5A0464	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	40	2
15VV5A0464	RT32049	SEMINAR	40	0	1
15VV5A0465	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	36	3
15VV5A0465	RT32042	DIGITAL SIGNAL PROCESSING	23	43	3
15VV5A0465	RT32043	DIGITAL COMMUNICATIONS	23	56	3
15VV5A0465	RT32044	MICROWAVE ENGINEERING	29	49	3
15VV5A0465	RT32045A	BIO MEDICAL ENGINEERING	22	37	3
15VV5A0465	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	22	48	2
15VV5A0465	RT32047	DIGITAL COMMUNICATIONS LAB	21	46	2
15VV5A0465	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	42	2
15VV5A0465	RT32049	SEMINAR	42	0	1
15VV5A0466	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	31	3
15VV5A0466	RT32042	DIGITAL SIGNAL PROCESSING	21	28	3
15VV5A0466	RT32043	DIGITAL COMMUNICATIONS	19	47	3
15VV5A0466	RT32044	MICROWAVE ENGINEERING	21	45	3
15VV5A0466	RT32045A	BIO MEDICAL ENGINEERING	13	39	3
15VV5A0466	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	20	37	2
15VV5A0466	RT32047	DIGITAL COMMUNICATIONS LAB	17	38	2
15VV5A0466	RT32048	DIGITAL SIGNAL PROCESSING LAB	21	38	2
15VV5A0466	RT32049	SEMINAR	40	0	1
15VV5A0467	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	26	26	3
15VV5A0467	RT32042	DIGITAL SIGNAL PROCESSING	20	33	3
15VV5A0467	RT32043	DIGITAL COMMUNICATIONS	24	56	3
15VV5A0467	RT32044	MICROWAVE ENGINEERING	27	42	3
15VV5A0467	RT32045A	BIO MEDICAL ENGINEERING	19	31	3
15VV5A0467	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	24	48	2
15VV5A0467	RT32047	DIGITAL COMMUNICATIONS LAB	22	47	2
15VV5A0467	RT32048	DIGITAL SIGNAL PROCESSING LAB	22	45	2
15VV5A0467	RT32049	SEMINAR	40	0	1
15VV5A0468	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	21	30	3
15VV5A0468	RT32042	DIGITAL SIGNAL PROCESSING	19	46	3
15VV5A0468	RT32043	DIGITAL COMMUNICATIONS	23	57	3
15VV5A0468	RT32044	MICROWAVE ENGINEERING	25	50	3
15VV5A0468	RT32045A	BIO MEDICAL ENGINEERING	20	35	3
15VV5A0468	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	21	43	2
15VV5A0468	RT32047	DIGITAL COMMUNICATIONS LAB	21	42	2
15VV5A0468	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	44	2
15VV5A0468	RT32049	SEMINAR	40	0	1
15VV5A0469	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	24	37	3
15VV5A0469	RT32042	DIGITAL SIGNAL PROCESSING	26	46	3
15VV5A0469	RT32043	DIGITAL COMMUNICATIONS	28	67	3
15VV5A0469	RT32044	MICROWAVE ENGINEERING	28	42	3
15VV5A0469	RT32045A	BIO MEDICAL ENGINEERING	26	49	3
15VV5A0469	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	44	2
15VV5A0469	RT32047	DIGITAL COMMUNICATIONS LAB	24	47	2
15VV5A0469	RT32048	DIGITAL SIGNAL PROCESSING LAB	25	45	2
15VV5A0469	RT32049	SEMINAR	43	0	1
15VV5A0470	RT32041	MICROPROCESSORS AND MICROCONTROLLERS	22	27	3
15VV5A0470	RT32042	DIGITAL SIGNAL PROCESSING	20	34	3

Htno	Subcode	Subname	Internal	External	Credits
15VV5A0470	RT32043	DIGITAL COMMUNICATIONS	25	50	3
15VV5A0470	RT32044	MICROWAVE ENGINEERING	24	42	3
15VV5A0470	RT32045A	BIO MEDICAL ENGINEERING	18	32	3
15VV5A0470	RT32046	MICROPROCESSORS AND MICROCONTROLLERS LAB	23	42	2
15VV5A0470	RT32047	DIGITAL COMMUNICATIONS LAB	20	40	2
15VV5A0470	RT32048	DIGITAL SIGNAL PROCESSING LAB	24	39	2
15VV5A0470	RT32049	SEMINAR	41	0	1
15VV5A0561	RT32051	SOFTWARE ENGINEERING	20	13	0
15VV5A0561	RT32052	DATA WARE HOUSING AND MINING	11	13	0
15VV5A0561	RT32053	COMPUTER NETWORKS	17	30	3
15VV5A0561	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	18	13	0
15VV5A0561	RT32055	WEB TECHNOLOGIES	22	6	0
15VV5A0561	RT32056	IPR AND PATENTS	22	35	2
15VV5A0561	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	13	28	2
15VV5A0561	RT32058	SOFTWARE ENGINEERING LAB	22	35	2
15VV5A0561	RT32059	WEB TECHNOLOGIES LAB	22	40	2
15VV5A0562	RT32051	SOFTWARE ENGINEERING	20	44	3
15VV5A0562	RT32052	DATA WARE HOUSING AND MINING	15	29	3
15VV5A0562	RT32053	COMPUTER NETWORKS	21	41	3
15VV5A0562	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	25	3
15VV5A0562	RT32055	WEB TECHNOLOGIES	26	9	0
15VV5A0562	RT32056	IPR AND PATENTS	24	39	2
15VV5A0562	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	18	31	2
15VV5A0562	RT32058	SOFTWARE ENGINEERING LAB	24	39	2
15VV5A0562	RT32059	WEB TECHNOLOGIES LAB	24	43	2
15VV5A0563	RT32051	SOFTWARE ENGINEERING	23	50	3
15VV5A0563	RT32052	DATA WARE HOUSING AND MINING	17	34	3
15VV5A0563	RT32053	COMPUTER NETWORKS	18	35	3
15VV5A0563	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	37	3
15VV5A0563	RT32055	WEB TECHNOLOGIES	25	28	3
15VV5A0563	RT32056	IPR AND PATENTS	26	42	2
15VV5A0563	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	27	2
15VV5A0563	RT32058	SOFTWARE ENGINEERING LAB	25	39	2
15VV5A0563	RT32059	WEB TECHNOLOGIES LAB	24	47	2
15VV5A0564	RT32051	SOFTWARE ENGINEERING	20	17	0
15VV5A0564	RT32052	DATA WARE HOUSING AND MINING	14	26	3
15VV5A0564	RT32053	COMPUTER NETWORKS	20	41	3
15VV5A0564	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	20	39	3
15VV5A0564	RT32055	WEB TECHNOLOGIES	25	25	3
15VV5A0564	RT32056	IPR AND PATENTS	19	39	2
15VV5A0564	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	20	35	2
15VV5A0564	RT32058	SOFTWARE ENGINEERING LAB	22	42	2
15VV5A0564	RT32059	WEB TECHNOLOGIES LAB	22	46	2
15VV5A0565	RT32051	SOFTWARE ENGINEERING	21	46	3
15VV5A0565	RT32052	DATA WARE HOUSING AND MINING	15	36	3
15VV5A0565	RT32053	COMPUTER NETWORKS	17	35	3
15VV5A0565	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	26	3
15VV5A0565	RT32055	WEB TECHNOLOGIES	23	38	3
15VV5A0565	RT32056	IPR AND PATENTS	25	42	2
15VV5A0565	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	17	28	2

Htno	Subcode	Subname	Internal	External	Credits
15VV5A0565	RT32058	SOFTWARE ENGINEERING LAB	25	45	2
15VV5A0565	RT32059	WEB TECHNOLOGIES LAB	24	47	2
15VV5A0566	RT32051	SOFTWARE ENGINEERING	20	26	3
15VV5A0566	RT32052	DATA WARE HOUSING AND MINING	6	12	0
15VV5A0566	RT32053	COMPUTER NETWORKS	19	35	3
15VV5A0566	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	19	34	3
15VV5A0566	RT32055	WEB TECHNOLOGIES	24	24	3
15VV5A0566	RT32056	IPR AND PATENTS	22	31	2
15VV5A0566	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	12	24	2
15VV5A0566	RT32058	SOFTWARE ENGINEERING LAB	22	38	2
15VV5A0566	RT32059	WEB TECHNOLOGIES LAB	21	38	2
15VV5A0567	RT32051	SOFTWARE ENGINEERING	20	47	3
15VV5A0567	RT32052	DATA WARE HOUSING AND MINING	19	39	3
15VV5A0567	RT32053	COMPUTER NETWORKS	20	46	3
15VV5A0567	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	30	3
15VV5A0567	RT32055	WEB TECHNOLOGIES	26	36	3
15VV5A0567	RT32056	IPR AND PATENTS	21	40	2
15VV5A0567	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	17	36	2
15VV5A0567	RT32058	SOFTWARE ENGINEERING LAB	25	47	2
15VV5A0567	RT32059	WEB TECHNOLOGIES LAB	25	48	2
15VV5A0569	RT32051	SOFTWARE ENGINEERING	22	42	3
15VV5A0569	RT32052	DATA WARE HOUSING AND MINING	17	30	3
15VV5A0569	RT32053	COMPUTER NETWORKS	19	44	3
15VV5A0569	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	28	3
15VV5A0569	RT32055	WEB TECHNOLOGIES	24	33	3
15VV5A0569	RT32056	IPR AND PATENTS	23	38	2
15VV5A0569	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	18	35	2
15VV5A0569	RT32058	SOFTWARE ENGINEERING LAB	24	43	2
15VV5A0569	RT32059	WEB TECHNOLOGIES LAB	24	45	2
15VV5A0570	RT32051	SOFTWARE ENGINEERING	20	46	3
15VV5A0570	RT32052	DATA WARE HOUSING AND MINING	11	37	3
15VV5A0570	RT32053	COMPUTER NETWORKS	18	46	3
15VV5A0570	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	32	3
15VV5A0570	RT32055	WEB TECHNOLOGIES	19	45	3
15VV5A0570	RT32056	IPR AND PATENTS	22	39	2
15VV5A0570	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	16	41	2
15VV5A0570	RT32058	SOFTWARE ENGINEERING LAB	23	48	2
15VV5A0570	RT32059	WEB TECHNOLOGIES LAB	23	43	2
15VV5A0572	RT32051	SOFTWARE ENGINEERING	20	41	3
15VV5A0572	RT32052	DATA WARE HOUSING AND MINING	9	39	3
15VV5A0572	RT32053	COMPUTER NETWORKS	17	44	3
15VV5A0572	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	21	30	3
15VV5A0572	RT32055	WEB TECHNOLOGIES	21	33	3
15VV5A0572	RT32056	IPR AND PATENTS	23	38	2
15VV5A0572	RT32057	COMPUTER NETWORKS & NETWORK PROGRAMMING LA	19	30	2
15VV5A0572	RT32058	SOFTWARE ENGINEERING LAB	24	40	2
15VV5A0572	RT32059	WEB TECHNOLOGIES LAB	23	41	2
15VV5A1261	RT32052	DATA WARE HOUSING AND MINING	27	36	3
15VV5A1261	RT32053	COMPUTER NETWORKS	27	47	3
15VV5A1261	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	49	3

Htno	Subcode	Subname	Internal	External	Credits
15VV5A1261	RT32055	WEB TECHNOLOGIES	26	48	3
15VV5A1261	RT32056	IPR AND PATENTS	27	48	2
15VV5A1261	RT32121	SOFTWARE TESTING	27	50	3
15VV5A1261	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	24	49	2
15VV5A1261	RT32128	SOFTWARE TESTING LAB	24	48	2
15VV5A1261	RT32129	WEB TECHNOLOGIES LAB	21	47	2
15VV5A1262	RT32052	DATA WARE HOUSING AND MINING	24	33	3
15VV5A1262	RT32053	COMPUTER NETWORKS	26	56	3
15VV5A1262	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	49	3
15VV5A1262	RT32055	WEB TECHNOLOGIES	26	42	3
15VV5A1262	RT32056	IPR AND PATENTS	26	46	2
15VV5A1262	RT32121	SOFTWARE TESTING	25	41	3
15VV5A1262	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	41	2
15VV5A1262	RT32128	SOFTWARE TESTING LAB	20	45	2
15VV5A1262	RT32129	WEB TECHNOLOGIES LAB	20	43	2
15VV5A1263	RT32052	DATA WARE HOUSING AND MINING	22	24	3
15VV5A1263	RT32053	COMPUTER NETWORKS	23	32	3
15VV5A1263	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	26	3
15VV5A1263	RT32055	WEB TECHNOLOGIES	25	27	3
15VV5A1263	RT32056	IPR AND PATENTS	25	43	2
15VV5A1263	RT32121	SOFTWARE TESTING	20	24	3
15VV5A1263	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	41	2
15VV5A1263	RT32128	SOFTWARE TESTING LAB	18	42	2
15VV5A1263	RT32129	WEB TECHNOLOGIES LAB	21	44	2
15VV5A1264	RT32052	DATA WARE HOUSING AND MINING	27	24	3
15VV5A1264	RT32053	COMPUTER NETWORKS	25	35	3
15VV5A1264	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	24	35	3
15VV5A1264	RT32055	WEB TECHNOLOGIES	24	29	3
15VV5A1264	RT32056	IPR AND PATENTS	25	39	2
15VV5A1264	RT32121	SOFTWARE TESTING	25	32	3
15VV5A1264	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	23	44	2
15VV5A1264	RT32128	SOFTWARE TESTING LAB	21	44	2
15VV5A1264	RT32129	WEB TECHNOLOGIES LAB	22	46	2
15VV5A1265	RT32052	DATA WARE HOUSING AND MINING	23	29	3
15VV5A1265	RT32053	COMPUTER NETWORKS	23	48	3
15VV5A1265	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	26	47	3
15VV5A1265	RT32055	WEB TECHNOLOGIES	23	33	3
15VV5A1265	RT32056	IPR AND PATENTS	23	45	2
15VV5A1265	RT32121	SOFTWARE TESTING	21	38	3
15VV5A1265	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	43	2
15VV5A1265	RT32128	SOFTWARE TESTING LAB	20	43	2
15VV5A1265	RT32129	WEB TECHNOLOGIES LAB	20	42	2
15VV5A1266	RT32052	DATA WARE HOUSING AND MINING	27	33	3
15VV5A1266	RT32053	COMPUTER NETWORKS	27	56	3
15VV5A1266	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	49	3
15VV5A1266	RT32055	WEB TECHNOLOGIES	26	40	3
15VV5A1266	RT32056	IPR AND PATENTS	29	40	2
15VV5A1266	RT32121	SOFTWARE TESTING	27	53	3
15VV5A1266	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	24	48	2
15VV5A1266	RT32128	SOFTWARE TESTING LAB	24	48	2

Htno	Subcode	Subname	Internal	External	Credits
15VV5A1266	RT32129	WEB TECHNOLOGIES LAB	25	50	2
15VV5A1267	RT32052	DATA WARE HOUSING AND MINING	27	24	3
15VV5A1267	RT32053	COMPUTER NETWORKS	24	43	3
15VV5A1267	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	28	53	3
15VV5A1267	RT32055	WEB TECHNOLOGIES	27	38	3
15VV5A1267	RT32056	IPR AND PATENTS	27	46	2
15VV5A1267	RT32121	SOFTWARE TESTING	27	34	3
15VV5A1267	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	45	2
15VV5A1267	RT32128	SOFTWARE TESTING LAB	20	46	2
15VV5A1267	RT32129	WEB TECHNOLOGIES LAB	22	42	2
15VV5A1268	RT32052	DATA WARE HOUSING AND MINING	26	28	3
15VV5A1268	RT32053	COMPUTER NETWORKS	23	42	3
15VV5A1268	RT32054	DESIGN AND ANALYSIS OF ALGORITHMS	27	51	3
15VV5A1268	RT32055	WEB TECHNOLOGIES	25	29	3
15VV5A1268	RT32056	IPR AND PATENTS	26	43	2
15VV5A1268	RT32121	SOFTWARE TESTING	23	41	3
15VV5A1268	RT32127	COMPUTER NETWORKS & NETWORK PROGRAMMING LAB	21	44	2
15VV5A1268	RT32128	SOFTWARE TESTING LAB	21	43	2
15VV5A1268	RT32129	WEB TECHNOLOGIES LAB	21	42	2
15VV5A3131	MT321	COMPOSITES	19	34	3
15VV5A3131	MT322	STEEL MAKING	26	41	3
15VV5A3131	MT323	MECHANICAL METALLURGY	26	56	3
15VV5A3131	MT324	WELDING TECHNOLOGY	22	50	3
15VV5A3131	MT325	HEAT TREATMENT TECHNOLOGY	23	54	3
15VV5A3131	MT326	WELDING TECHNOLOGY LAB	20	40	2
15VV5A3131	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	44	2
15VV5A3131	MT328	MECHANICAL METALLURGY LAB	22	44	2
15VV5A3132	MT321	COMPOSITES	23	45	3
15VV5A3132	MT322	STEEL MAKING	26	29	3
15VV5A3132	MT323	MECHANICAL METALLURGY	23	60	3
15VV5A3132	MT324	WELDING TECHNOLOGY	20	56	3
15VV5A3132	MT325	HEAT TREATMENT TECHNOLOGY	21	52	3
15VV5A3132	MT326	WELDING TECHNOLOGY LAB	19	38	2
15VV5A3132	MT327	HEAT TREATMENT TECHNOLOGY LAB	24	47	2
15VV5A3132	MT328	MECHANICAL METALLURGY LAB	23	45	2
15VV5A3133	MT321	COMPOSITES	17	45	3
15VV5A3133	MT322	STEEL MAKING	17	-1	0
15VV5A3133	MT323	MECHANICAL METALLURGY	17	48	3
15VV5A3133	MT324	WELDING TECHNOLOGY	12	52	3
15VV5A3133	MT325	HEAT TREATMENT TECHNOLOGY	20	44	3
15VV5A3133	MT326	WELDING TECHNOLOGY LAB	19	34	2
15VV5A3133	MT327	HEAT TREATMENT TECHNOLOGY LAB	20	41	2
15VV5A3133	MT328	MECHANICAL METALLURGY LAB	19	39	2
15VV5A3134	MT321	COMPOSITES	19	31	3
15VV5A3134	MT322	STEEL MAKING	22	29	3
15VV5A3134	MT323	MECHANICAL METALLURGY	17	48	3
15VV5A3134	MT324	WELDING TECHNOLOGY	14	46	3
15VV5A3134	MT325	HEAT TREATMENT TECHNOLOGY	24	50	3
15VV5A3134	MT326	WELDING TECHNOLOGY LAB	20	38	2
15VV5A3134	MT327	HEAT TREATMENT TECHNOLOGY LAB	21	40	2



Htno	Subcode	Subname	Internal	External	Credits
15VV5A3134	MT328	MECHANICAL METALLURGY LAB	21	40	2

**\*\* 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:18-07-2017

Controller of Examinations