JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for III B.Tech II Semester Regular/Supplementary Examinations April-2018
College: JNTU KAKINADA UNIVERSITY COLLEGE OF ENGINEERING, VIZIANAGARAM:VV

Htno	Subcode	Subname	Internal	External	Credits
12VV1A0526	R32055	Advanced Java and Web Technologies	2	-1	0
13VV1A0242	RT32021	Microprocessors & Microcontrollers	15	16	0
14VV1A0208	RT32022	Switchgear and Protection	13	-1	0
14VV1A0208	RT32024	Power System Analysis	17	-1	0
14VV1A0302	RT32035	Heat Transfer	8	25	0
14VV1A0356	RT32031	Operations Research	-2	42	3
14VV1A0356	RT32032	Interactive Computer Graphics	26	45	3
14VV1A0356	RT32033	Design of Machine Membersâ€" II	21	47	3
14VV1A0356	RT32034	Robotics	24	42	3
14VV1A0356	RT32035	Heat Transfer	19	36	3
14VV1A0356	RT32036	Industrial Engineering Management	25	40	3
14VV1A0356	RT32037A	Refrigeration & Air Conditioning	22	37	3
14VV1A0356	RT32038	Heat Transfer Lab	21	44	2
15VV1A0101	RT32011	Environmental Engineering â€" I	26	55	3
15VV1A0101	RT32012	Geotechnical Engineering â€" II	23	51	3
15VV1A0101	RT32013	Design and Drawing of Steel Structures	24	38	3
15VV1A0101	RT32014	Water Resources Engineeringâ€"I	22	56	3
15VV1A0101	RT32015	Transportation Engineering â€" II	24	43	3
15VV1A0101	RT32016A	Environmental Pollution and Control	26	58	3
15VV1A0101	RT32017	Computer Aided Engineering Drawing	27	66	2
15VV1A0101	RT32018	Transportation Engineering Lab	23	49	2
15VV1A0102	RT32011	Environmental Engineering â€" I	25	49	3
15VV1A0102	RT32012	Geotechnical Engineering â€" II	28	38	3
15VV1A0102	RT32013	Design and Drawing of Steel Structures	26	24	3
15VV1A0102	RT32014	Water Resources Engineeringâ€"I	22	55	3
15VV1A0102	RT32015	Transportation Engineering â€" II	23	33	3
15VV1A0102	RT32016A	Environmental Pollution and Control	28	53	3
15VV1A0102	RT32017	Computer Aided Engineering Drawing	27	66	2
15VV1A0102	RT32018	Transportation Engineering Lab	23	49	2
15VV1A0103	RT32011	Environmental Engineering â€" I	25	25	3
15VV1A0103	RT32012	Geotechnical Engineering â€" II	23	38	3
15VV1A0103	RT32013	Design and Drawing of Steel Structures	15	25	3
15VV1A0103	RT32014	Water Resources Engineeringâ€"I	21	52	3
15VV1A0103	RT32015	Transportation Engineering â€" II	26	28	3
15VV1A0103	RT32016A	Environmental Pollution and Control	26	45	3
15VV1A0103	RT32017	Computer Aided Engineering Drawing	25	45	2
15VV1A0103	RT32018	Transportation Engineering Lab	10	45	2
15VV1A0104	RT32011	Environmental Engineering â€" I	24	56	3
15VV1A0104	RT32012	Geotechnical Engineering â€" II	30	55	3
15VV1A0104	RT32013	Design and Drawing of Steel Structures	27	28	3
15VV1A0104	RT32014	Water Resources Engineeringâ€"I	22	62	3
15VV1A0104	RT32015	Transportation Engineering â€" II	24	58	3
15VV1A0104	RT32016A	Environmental Pollution and Control	28	56	3
15VV1A0104	RT32017	Computer Aided Engineering Drawing	28	66	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0104	RT32018	Transportation Engineering Lab	22	49	2
15VV1A0105	RT32011	Environmental Engineering â€" I	26	46	3
15VV1A0105	RT32012	Geotechnical Engineering â€" II	25	55	3
15VV1A0105	RT32013	Design and Drawing of Steel Structures	25	17	0
15VV1A0105	RT32014	Water Resources Engineeringâ€"I	23	62	3
15VV1A0105	RT32015	Transportation Engineering â€" II	23	47	3
15VV1A0105	RT32016A	Environmental Pollution and Control	26	55	3
15VV1A0105	RT32017	Computer Aided Engineering Drawing	27	64	2
15VV1A0105	RT32018	Transportation Engineering Lab	22	48	2
15VV1A0106	RT32011	Environmental Engineering â€" I	25	51	3
15VV1A0106	RT32012	Geotechnical Engineering â€" II	28	60	3
15VV1A0106	RT32013	Design and Drawing of Steel Structures	26	32	3
15VV1A0106	RT32014	Water Resources Engineeringâ€"I	24	64	3
15VV1A0106	RT32015	Transportation Engineering â€" II	24	68	3
15VV1A0106	RT32016A	Environmental Pollution and Control	28	58	3
15VV1A0106	RT32017	Computer Aided Engineering Drawing	28	66	2
15VV1A0106	RT32018	Transportation Engineering Lab	23	49	2
15VV1A0107	RT32011	Environmental Engineering â€" I	26	44	3
15VV1A0107	RT32012	Geotechnical Engineering â€" II	29	47	3
15VV1A0107	RT32013	Design and Drawing of Steel Structures	28	34	3
15VV1A0107	RT32014	Water Resources Engineeringâ€"I	22	42	3
15VV1A0107	RT32015	Transportation Engineering â€" II	29	38	3
15VV1A0107	RT32016A	Environmental Pollution and Control	29	48	3
15VV1A0107	RT32017	Computer Aided Engineering Drawing	27	64	2
15VV1A0107	RT32018	Transportation Engineering Lab	22	47	2
15VV1A0109	RT32011	Environmental Engineering â€" I	29	56	3
15VV1A0109	RT32012	Geotechnical Engineering â€" II	30	60	3
15VV1A0109	RT32013	Design and Drawing of Steel Structures	28	37	3
15VV1A0109	RT32014	Water Resources Engineeringâ€"I	28	64	3
15VV1A0109	RT32015	Transportation Engineering â€" II	28	66	3
15VV1A0109	RT32016A	Environmental Pollution and Control	30	56	3
15VV1A0109	RT32017	Computer Aided Engineering Drawing	29	68	2
15VV1A0109	RT32018	Transportation Engineering Lab	24	49	2
15VV1A0110	RT32011	Environmental Engineering â€" I	26	43	3
15VV1A0110	RT32012	Geotechnical Engineering â€" II	30	35	3
15VV1A0110	RT32013	Design and Drawing of Steel Structures	23	19	0
15VV1A0110	RT32014	Water Resources Engineeringâ€"I	19	58	3
15VV1A0110	RT32015	Transportation Engineering â€" II	24	24	3
15VV1A0110	RT32016A	Environmental Pollution and Control	24	41	3
15VV1A0110	RT32017	Computer Aided Engineering Drawing	26	61	2
15VV1A0110	RT32018	Transportation Engineering Lab	21	46	2
15VV1A0111	RT32011	Environmental Engineering â€" I	27	58	3
15VV1A0111	RT32012	Geotechnical Engineering â€" II	30	68	3
15VV1A0111	RT32013	Design and Drawing of Steel Structures	29	40	3
15VV1A0111	RT32014	Water Resources Engineeringâ€"I	25	66	3
15VV1A0111	RT32015	Transportation Engineering â€" II	29	68	3
15VV1A0111	RT32016A	Environmental Pollution and Control	28	56	3
15VV1A0111	RT32017	Computer Aided Engineering Drawing	29	68	2
15VV1A0111	RT32018	Transportation Engineering Lab	23	49	2
15VV1A0112	RT32011	Environmental Engineering â€" I	23	51	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0112	RT32012	Geotechnical Engineering â€" II	28	37	3
15VV1A0112	RT32013	Design and Drawing of Steel Structures	26	35	3
15VV1A0112	RT32014	Water Resources Engineeringâ€"I	23	45	3
15VV1A0112	RT32015	Transportation Engineering â€" II	26	46	3
15VV1A0112	RT32016A	Environmental Pollution and Control	28	60	3
15VV1A0112	RT32017	Computer Aided Engineering Drawing	28	66	2
15VV1A0112	RT32018	Transportation Engineering Lab	22	48	2
15VV1A0113	RT32011	Environmental Engineering â€" I	25	34	3
15VV1A0113	RT32012	Geotechnical Engineering â€" II	21	43	3
15VV1A0113	RT32013	Design and Drawing of Steel Structures	26	34	3
15VV1A0113	RT32014	Water Resources Engineeringâ€"I	22	45	3
15VV1A0113	RT32015	Transportation Engineering â€" II	22	52	3
15VV1A0113	RT32016A	Environmental Pollution and Control	24	53	3
15VV1A0113	RT32017	Computer Aided Engineering Drawing	28	66	2
15VV1A0113	RT32018	Transportation Engineering Lab	10	47	2
15VV1A0114	RT32011	Environmental Engineering â€" I	27	51	3
15VV1A0114	RT32012	Geotechnical Engineering â€" II	30	47	3
15VV1A0114	RT32013	Design and Drawing of Steel Structures	27	43	3
15VV1A0114	RT32014	Water Resources Engineeringâ€"I	19	61	3
15VV1A0114	RT32015	Transportation Engineering â€" II	24	40	3
15VV1A0114	RT32016A	Environmental Pollution and Control	28	56	3
15VV1A0114	RT32017	Computer Aided Engineering Drawing	29	68	2
15VV1A0114	RT32018	Transportation Engineering Lab	22	48	2
15VV1A0115	RT32011	Environmental Engineering â€" I	28	57	3
15VV1A0115	RT32012	Geotechnical Engineering â€" II	30	64	3
15VV1A0115	RT32013	Design and Drawing of Steel Structures	29	37	3
15VV1A0115	RT32014	Water Resources Engineeringâ€"I	26	69	3
15VV1A0115	RT32015	Transportation Engineering â€" II	29	68	3
15VV1A0115	RT32016A	Environmental Pollution and Control	29	59	3
15VV1A0115	RT32017	Computer Aided Engineering Drawing	29	68	2
15VV1A0115	RT32018	Transportation Engineering Lab	23	49	2
15VV1A0117	RT32011	Environmental Engineering â€" I	25	42	3
15VV1A0117	RT32012	Geotechnical Engineering â€" II	28	37	3
15VV1A0117	RT32013	Design and Drawing of Steel Structures	24	30	3
15VV1A0117	RT32014	Water Resources Engineeringâ€"I	23	54	3
15VV1A0117	RT32015	Transportation Engineering â€" II	21	27	3
15VV1A0117	RT32016A	Environmental Pollution and Control	26	46	3
15VV1A0117	RT32017	Computer Aided Engineering Drawing	27	64	2
15VV1A0117	RT32018	Transportation Engineering Lab	23	47	2
15VV1A0119	RT32011	Environmental Engineering â€" I	26	49	3
15VV1A0119	RT32012	Geotechnical Engineering â€" II	29	49	3
15VV1A0119	RT32013	Design and Drawing of Steel Structures	26	33	3
15VV1A0119	RT32014	Water Resources Engineeringâ€"I	22	49	3
15VV1A0119	RT32015	Transportation Engineering â€" II	22	60	3
15VV1A0119	RT32016A	Environmental Pollution and Control	29	51	3
15VV1A0119	RT32017	Computer Aided Engineering Drawing	28	66	2
15VV1A0119	RT32018	Transportation Engineering Lab	23	47	2
15VV1A0120	RT32011	Environmental Engineering â€" I	29	50	3
15VV1A0120	RT32012	Geotechnical Engineering â€" II	30	67	3
15VV1A0120	RT32013	Design and Drawing of Steel Structures	29	40	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0120	RT32014	Water Resources Engineeringâ€"I	28	69	3
15VV1A0120	RT32015	Transportation Engineering â€" II	27	70	3
15VV1A0120	RT32016A	Environmental Pollution and Control	29	49	3
15VV1A0120	RT32017	Computer Aided Engineering Drawing	29	68	2
15VV1A0120	RT32018	Transportation Engineering Lab	24	49	2
15VV1A0121	RT32011	Environmental Engineering â€" I	23	38	3
15VV1A0121	RT32012	Geotechnical Engineering â€" II	20	43	3
15VV1A0121	RT32013	Design and Drawing of Steel Structures	22	10	0
15VV1A0121	RT32014	Water Resources Engineeringâ€"I	21	43	3
15VV1A0121	RT32015	Transportation Engineering â€" II	22	26	3
15VV1A0121	RT32016A	Environmental Pollution and Control	27	38	3
15VV1A0121	RT32017	Computer Aided Engineering Drawing	26	60	2
15VV1A0121	RT32018	Transportation Engineering Lab	22	47	2
15VV1A0122	RT32011	Environmental Engineering â€" I	26	45	3
15VV1A0122	RT32012	Geotechnical Engineering â€" II	26	40	3
15VV1A0122	RT32013	Design and Drawing of Steel Structures	26	31	3
15VV1A0122	RT32014	Water Resources Engineeringâ€"I	22	35	3
15VV1A0122	RT32015	Transportation Engineering â€" II	25	40	3
15VV1A0122	RT32016A	Environmental Pollution and Control	25	49	3
15VV1A0122	RT32017	Computer Aided Engineering Drawing	26	60	2
15VV1A0122	RT32018	Transportation Engineering Lab	22	48	2
15VV1A0123	RT32011	Environmental Engineering â€" I	26	51	3
15VV1A0123	RT32012	Geotechnical Engineering â€" II	28	49	3
15VV1A0123	RT32013	Design and Drawing of Steel Structures	24	24	3
15VV1A0123	RT32014	Water Resources Engineeringâ€"I	24	55	3
15VV1A0123	RT32015	Transportation Engineering â€" II	23	67	3
15VV1A0123	RT32016A	Environmental Pollution and Control	26	53	3
15VV1A0123	RT32017	Computer Aided Engineering Drawing	26	60	2
15VV1A0123	RT32018	Transportation Engineering Lab	23	47	2
15VV1A0124	RT32011	Environmental Engineering â€" I	26	55	3
15VV1A0124	RT32012	Geotechnical Engineering â€" II	27	52	3
15VV1A0124	RT32013	Design and Drawing of Steel Structures	27	34	3
15VV1A0124	RT32014	Water Resources Engineeringâ€"I	22	66	3
15VV1A0124	RT32015	Transportation Engineering â€" II	25	62	3
15VV1A0124	RT32016A	Environmental Pollution and Control	27	59	3
15VV1A0124	RT32017	Computer Aided Engineering Drawing	28	64	2
15VV1A0124	RT32018	Transportation Engineering Lab	23	48	2
15VV1A0125	RT32011	Environmental Engineering â€" I	26	52	3
15VV1A0125	RT32012	Geotechnical Engineering â€" II	27	62	3
15VV1A0125	RT32013	Design and Drawing of Steel Structures	26	39	3
15VV1A0125	RT32014	Water Resources Engineeringâ€"I	21	63	3
15VV1A0125	RT32015	Transportation Engineering â€" II	20	53	3
15VV1A0125	RT32016A	Environmental Pollution and Control	25	55	3
15VV1A0125	RT32017	Computer Aided Engineering Drawing	28	64	2
15VV1A0125	RT32018	Transportation Engineering Lab	23	47	2
15VV1A0127	RT32011	Environmental Engineering â€" I	27	56	3
15VV1A0127	RT32012	Geotechnical Engineering â€" II	28	48	3
15VV1A0127	RT32013	Design and Drawing of Steel Structures	28	31	3
15VV1A0127	RT32014	Water Resources Engineeringâ€"I	21	51	3
15VV1A0127	RT32015	Transportation Engineering â€" II	26	66	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0127	RT32016A	Environmental Pollution and Control	26	48	3
15VV1A0127	RT32017	Computer Aided Engineering Drawing	29	67	2
15VV1A0127	RT32018	Transportation Engineering Lab	23	49	2
15VV1A0128	RT32011	Environmental Engineering â€" I	27	53	3
15VV1A0128	RT32012	Geotechnical Engineering â€" II	28	58	3
15VV1A0128	RT32013	Design and Drawing of Steel Structures	24	35	3
15VV1A0128	RT32014	Water Resources Engineeringâ€"I	22	60	3
15VV1A0128	RT32015	Transportation Engineering â€" II	23	68	3
15VV1A0128	RT32016A	Environmental Pollution and Control	28	48	3
15VV1A0128	RT32017	Computer Aided Engineering Drawing	26	64	2
15VV1A0128	RT32018	Transportation Engineering Lab	23	48	2
15VV1A0201	RT32021	Microprocessors & Microcontrollers	27	36	3
15VV1A0201	RT32022	Switchgear and Protection	19	39	3
15VV1A0201	RT32023	Utilization of Electrical Energy	27	43	3
15VV1A0201	RT32024	Power System Analysis	20	37	3
15VV1A0201	RT32025	Management Science	26	50	3
15VV1A0201	RT32026	Power Semiconductor Drives	25	45	3
15VV1A0201	RT32027	Power Electronics Lab	23	44	2
15VV1A0201	RT32028	Electrical Measurements Lab	20	41	2
15VV1A0203	RT32021	Microprocessors & Microcontrollers	25	36	3
15VV1A0203	RT32022	Switchgear and Protection	16	24	3
15VV1A0203	RT32023	Utilization of Electrical Energy	24	47	3
15VV1A0203	RT32024	Power System Analysis	18	35	3
15VV1A0203	RT32025	Management Science	23	49	3
15VV1A0203	RT32026	Power Semiconductor Drives	15	42	3
15VV1A0203	RT32027	Power Electronics Lab	22	36	2
15VV1A0203	RT32028	Electrical Measurements Lab	18	37	2
15VV1A0204	RT32021	Microprocessors & Microcontrollers	26	41	3
15VV1A0204	RT32022	Switchgear and Protection	19	45	3
15VV1A0204	RT32023	Utilization of Electrical Energy	27	38	3
15VV1A0204	RT32024	Power System Analysis	14	35	3
15VV1A0204	RT32025	Management Science	23	44	3
15VV1A0204	RT32026	Power Semiconductor Drives	21	49	3
15VV1A0204	RT32027	Power Electronics Lab	22	40	2
15VV1A0204	RT32028	Electrical Measurements Lab	19	45	2
15VV1A0205	RT32021	Microprocessors & Microcontrollers	23	26	3
15VV1A0205	RT32022	Switchgear and Protection	23	48	3
15VV1A0205	RT32023	Utilization of Electrical Energy	26	50	3
15VV1A0205	RT32024	Power System Analysis	20	45	3
15VV1A0205	RT32025	Management Science	23	45	3
15VV1A0205	RT32026	Power Semiconductor Drives	23	40	3
15VV1A0205	RT32027	Power Electronics Lab	22	42	2
15VV1A0205	RT32028	Electrical Measurements Lab	19	37	2
15VV1A0206	RT32021	Microprocessors & Microcontrollers	21	13	0
15VV1A0206	RT32022	Switchgear and Protection	19	26	3
15VV1A0206	RT32023	Utilization of Electrical Energy	14	28	3
15VV1A0206	RT32024	Power System Analysis	18	28	3
15VV1A0206	RT32025	Management Science	24	35	3
15VV1A0206	RT32026	Power Semiconductor Drives	19	33	3
15VV1A0206	RT32027	Power Electronics Lab	18	30	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0206	RT32028	Electrical Measurements Lab	15	24	2
15VV1A0207	RT32021	Microprocessors & Microcontrollers	28	40	3
15VV1A0207	RT32022	Switchgear and Protection	24	41	3
15VV1A0207	RT32023	Utilization of Electrical Energy	28	44	3
15VV1A0207	RT32024	Power System Analysis	23	41	3
15VV1A0207	RT32025	Management Science	23	43	3
15VV1A0207	RT32026	Power Semiconductor Drives	25	48	3
15VV1A0207	RT32027	Power Electronics Lab	22	46	2
15VV1A0207	RT32028	Electrical Measurements Lab	20	45	2
15VV1A0209	RT32021	Microprocessors & Microcontrollers	29	41	3
15VV1A0209	RT32022	Switchgear and Protection	23	43	3
15VV1A0209	RT32023	Utilization of Electrical Energy	29	41	3
15VV1A0209	RT32024	Power System Analysis	24	44	3
15VV1A0209	RT32025	Management Science	26	49	3
15VV1A0209	RT32026	Power Semiconductor Drives	25	51	3
15VV1A0209	RT32027	Power Electronics Lab	22	39	2
15VV1A0209	RT32028	Electrical Measurements Lab	20	35	2
15VV1A0211	RT32021	Microprocessors & Microcontrollers	24	42	3
15VV1A0211	RT32022	Switchgear and Protection	22	45	3
15VV1A0211	RT32023	Utilization of Electrical Energy	26	46	3
15VV1A0211	RT32024	Power System Analysis	19	53	3
15VV1A0211	RT32025	Management Science	24	48	3
15VV1A0211	RT32026	Power Semiconductor Drives	17	55	3
15VV1A0211	RT32027	Power Electronics Lab	23	39	2
15VV1A0211	RT32028	Electrical Measurements Lab	21	36	2
15VV1A0212	RT32021	Microprocessors & Microcontrollers	25	45	3
15VV1A0212	RT32022	Switchgear and Protection	22	42	3
15VV1A0212	RT32023	Utilization of Electrical Energy	25	47	3
15VV1A0212	RT32024	Power System Analysis	27	48	3
15VV1A0212	RT32025	Management Science	27	51	3
15VV1A0212	RT32026	Power Semiconductor Drives	27	55	3
15VV1A0212	RT32027	Power Electronics Lab	24	47	2
15VV1A0212	RT32028	Electrical Measurements Lab	18	44	2
15VV1A0213	RT32021	Microprocessors & Microcontrollers	24	35	3
15VV1A0213	RT32022	Switchgear and Protection	22	41	3
15VV1A0213	RT32023	Utilization of Electrical Energy	24	47	3
15VV1A0213	RT32024	Power System Analysis	17	44	3
15VV1A0213	RT32025	Management Science	26	48	3
15VV1A0213	RT32026	Power Semiconductor Drives	18	54	3
15VV1A0213	RT32027	Power Electronics Lab	20	38	2
15VV1A0213	RT32028	Electrical Measurements Lab	17	34	2
15VV1A0214	RT32021	Microprocessors & Microcontrollers	27	35	3
15VV1A0214	RT32022	Switchgear and Protection	25	26	3
15VV1A0214	RT32023	Utilization of Electrical Energy	26	45	3
15VV1A0214	RT32024	Power System Analysis	25	47	3
15VV1A0214	RT32025	Management Science	26	36	3
15VV1A0214	RT32026	Power Semiconductor Drives	24	46	3
15VV1A0214	RT32027	Power Electronics Lab	24	46	2
15VV1A0214	RT32028	Electrical Measurements Lab	19	45	2
15VV1A0216	RT32021	Microprocessors & Microcontrollers	29	45	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0216	RT32022	Switchgear and Protection	22	44	3
15VV1A0216	RT32023	Utilization of Electrical Energy	29	46	3
15VV1A0216	RT32024	Power System Analysis	24	40	3
15VV1A0216	RT32025	Management Science	24	42	3
15VV1A0216	RT32026	Power Semiconductor Drives	25	58	3
15VV1A0216	RT32027	Power Electronics Lab	22	42	2
15VV1A0216	RT32028	Electrical Measurements Lab	19	43	2
15VV1A0217	RT32021	Microprocessors & Microcontrollers	27	32	3
15VV1A0217	RT32022	Switchgear and Protection	19	43	3
15VV1A0217	RT32023	Utilization of Electrical Energy	18	47	3
15VV1A0217	RT32024	Power System Analysis	20	36	3
15VV1A0217	RT32025	Management Science	25	46	3
15VV1A0217	RT32026	Power Semiconductor Drives	24	53	3
15VV1A0217	RT32027	Power Electronics Lab	21	37	2
15VV1A0217	RT32028	Electrical Measurements Lab	19	35	2
15VV1A0218	RT32021	Microprocessors & Microcontrollers	27	49	3
15VV1A0218	RT32022	Switchgear and Protection	23	54	3
15VV1A0218	RT32023	Utilization of Electrical Energy	28	41	3
15VV1A0218	RT32024	Power System Analysis	24	40	3
15VV1A0218	RT32025	Management Science	27	54	3
15VV1A0218	RT32026	Power Semiconductor Drives	27	59	3
15VV1A0218	RT32027	Power Electronics Lab	24	47	2
15VV1A0218	RT32028	Electrical Measurements Lab	21	39	2
15VV1A0219	RT32021	Microprocessors & Microcontrollers	26	36	3
15VV1A0219	RT32022	Switchgear and Protection	19	38	3
15VV1A0219	RT32023	Utilization of Electrical Energy	23	38	3
15VV1A0219	RT32024	Power System Analysis	18	31	3
15VV1A0219	RT32025	Management Science	23	46	3
15VV1A0219	RT32026	Power Semiconductor Drives	22	47	3
15VV1A0219	RT32027	Power Electronics Lab	22	36	2
15VV1A0219	RT32028	Electrical Measurements Lab	20	32	2
15VV1A0220	RT32021	Microprocessors & Microcontrollers	25	34	3
15VV1A0220	RT32022	Switchgear and Protection	18	32	3
15VV1A0220	RT32023	Utilization of Electrical Energy	19	43	3
15VV1A0220	RT32024	Power System Analysis	16	41	3
15VV1A0220	RT32025	Management Science	22	40	3
15VV1A0220	RT32026	Power Semiconductor Drives	15	33	3
15VV1A0220	RT32027	Power Electronics Lab	20	36	2
15VV1A0220	RT32028	Electrical Measurements Lab	18	29	2
15VV1A0221	RT32021	Microprocessors & Microcontrollers	26	41	3
15VV1A0221	RT32022	Switchgear and Protection	19	44	3
15VV1A0221	RT32023	Utilization of Electrical Energy	26	55	3
15VV1A0221	RT32024	Power System Analysis	20	44	3
15VV1A0221	RT32025	Management Science	24	49	3
15VV1A0221	RT32026	Power Semiconductor Drives	23	48	3
15VV1A0221	RT32027	Power Electronics Lab	23	41	2
15VV1A0221	RT32028	Electrical Measurements Lab	19	40	2
15VV1A0222	RT32021	Microprocessors & Microcontrollers	27	43	3
15VV1A0222	RT32022	Switchgear and Protection	23	43	3
15VV1A0222	RT32023	Utilization of Electrical Energy	29	46	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0222	RT32024	Power System Analysis	21	45	3
15VV1A0222	RT32025	Management Science	28	47	3
15VV1A0222	RT32026	Power Semiconductor Drives	25	52	3
15VV1A0222	RT32027	Power Electronics Lab	21	41	2
15VV1A0222	RT32028	Electrical Measurements Lab	21	36	2
15VV1A0223	RT32021	Microprocessors & Microcontrollers	23	36	3
15VV1A0223	RT32022	Switchgear and Protection	20	33	3
15VV1A0223	RT32023	Utilization of Electrical Energy	22	40	3
15VV1A0223	RT32024	Power System Analysis	19	37	3
15VV1A0223	RT32025	Management Science	18	41	3
15VV1A0223	RT32026	Power Semiconductor Drives	23	43	3
15VV1A0223	RT32027	Power Electronics Lab	21	36	2
15VV1A0223	RT32028	Electrical Measurements Lab	15	34	2
15VV1A0224	RT32021	Microprocessors & Microcontrollers	24	28	3
15VV1A0224	RT32022	Switchgear and Protection	22	42	3
15VV1A0224	RT32023	Utilization of Electrical Energy	25	48	3
15VV1A0224	RT32024	Power System Analysis	25	44	3
15VV1A0224	RT32025	Management Science	22	45	3
15VV1A0224	RT32026	Power Semiconductor Drives	24	48	3
15VV1A0224	RT32027	Power Electronics Lab	21	40	2
15VV1A0224	RT32028	Electrical Measurements Lab	18	37	2
15VV1A0225	RT32021	Microprocessors & Microcontrollers	24	24	3
15VV1A0225	RT32022	Switchgear and Protection	20	46	3
15VV1A0225	RT32023	Utilization of Electrical Energy	18	37	3
15VV1A0225	RT32024	Power System Analysis	19	45	3
15VV1A0225	RT32025	Management Science	20	47	3
15VV1A0225	RT32026	Power Semiconductor Drives	21	43	3
15VV1A0225	RT32027	Power Electronics Lab	21	38	2
15VV1A0225	RT32028	Electrical Measurements Lab	15	40	2
15VV1A0227	RT32021	Microprocessors & Microcontrollers	26	38	3
15VV1A0227	RT32022	Switchgear and Protection	22	47	3
15VV1A0227	RT32023	Utilization of Electrical Energy	19	39	3
15VV1A0227	RT32024	Power System Analysis	22	39	3
15VV1A0227	RT32025	Management Science	19	37	3
15VV1A0227	RT32026	Power Semiconductor Drives	26	38	3
15VV1A0227	RT32027	Power Electronics Lab	19	27	2
15VV1A0227	RT32028	Electrical Measurements Lab	18	39	2
15VV1A0228	RT32021	Microprocessors & Microcontrollers	19	24	3
15VV1A0228	RT32022	Switchgear and Protection	9	19	0
15VV1A0228	RT32023	Utilization of Electrical Energy	13	30	3
15VV1A0228	RT32024	Power System Analysis	17	32	3
15VV1A0228	RT32025	Management Science	16	39	3
15VV1A0228	RT32026	Power Semiconductor Drives	14	26	3
15VV1A0228	RT32027	Power Electronics Lab	21	29	2
15VV1A0228	RT32028	Electrical Measurements Lab	15	30	2
15VV1A0229	RT32021	Microprocessors & Microcontrollers	20	37	3
15VV1A0229	RT32022	Switchgear and Protection	22	24	3
15VV1A0229	RT32023	Utilization of Electrical Energy	19	38	3
15VV1A0229	RT32024	Power System Analysis	21	47	3
15VV1A0229	RT32025	Management Science	23	45	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0229	RT32026	Power Semiconductor Drives	21	49	3
15VV1A0229	RT32027	Power Electronics Lab	21	39	2
15VV1A0229	RT32028	Electrical Measurements Lab	17	34	2
15VV1A0231	RT32021	Microprocessors & Microcontrollers	28	37	3
15VV1A0231	RT32022	Switchgear and Protection	18	41	3
15VV1A0231	RT32023	Utilization of Electrical Energy	19	49	3
15VV1A0231	RT32024	Power System Analysis	19	46	3
15VV1A0231	RT32025	Management Science	21	48	3
15VV1A0231	RT32026	Power Semiconductor Drives	22	-1	0
15VV1A0231	RT32027	Power Electronics Lab	21	39	2
15VV1A0231	RT32028	Electrical Measurements Lab	21	44	2
15VV1A0232	RT32021	Microprocessors & Microcontrollers	25	31	3
15VV1A0232	RT32022	Switchgear and Protection	21	38	3
15VV1A0232	RT32023	Utilization of Electrical Energy	26	31	3
15VV1A0232	RT32024	Power System Analysis	21	43	3
15VV1A0232	RT32025	Management Science	24	43	3
15VV1A0232	RT32026	Power Semiconductor Drives	25	45	3
15VV1A0232	RT32027	Power Electronics Lab	21	44	2
15VV1A0232	RT32028	Electrical Measurements Lab	17	28	2
15VV1A0233	RT32021	Microprocessors & Microcontrollers	29	48	3
15VV1A0233	RT32022	Switchgear and Protection	22	52	3
15VV1A0233	RT32023	Utilization of Electrical Energy	29	52	3
15VV1A0233	RT32024	Power System Analysis	20	43	3
15VV1A0233	RT32025	Management Science	28	47	3
15VV1A0233	RT32026	Power Semiconductor Drives	24	40	3
15VV1A0233	RT32027	Power Electronics Lab	23	32	2
15VV1A0233	RT32028	Electrical Measurements Lab	19	40	2
15VV1A0234	RT32021	Microprocessors & Microcontrollers	28	46	3
15VV1A0234	RT32022	Switchgear and Protection	23	39	3
15VV1A0234	RT32023	Utilization of Electrical Energy	26	52	3
15VV1A0234	RT32024	Power System Analysis	22	48	3
15VV1A0234	RT32025	Management Science	24	43	3
15VV1A0234	RT32026	Power Semiconductor Drives	26	55	3
15VV1A0234	RT32027	Power Electronics Lab	24	48	2
15VV1A0234	RT32028	Electrical Measurements Lab	20	39	2
15VV1A0235	RT32021	Microprocessors & Microcontrollers	28	49	3
15VV1A0235	RT32022	Switchgear and Protection	25	46	3
15VV1A0235	RT32023	Utilization of Electrical Energy	30	47	3
15VV1A0235	RT32024	Power System Analysis	23	51	3
15VV1A0235	RT32025	Management Science	28	49	3
15VV1A0235	RT32026	Power Semiconductor Drives	24	49	3
15VV1A0235	RT32027	Power Electronics Lab	24	48	2
15VV1A0235	RT32028	Electrical Measurements Lab	22	45	2
15VV1A0236	RT32021	Microprocessors & Microcontrollers	24	34	3
15VV1A0236	RT32022	Switchgear and Protection	23	33	3
15VV1A0236	RT32023	Utilization of Electrical Energy	26	47	3
15VV1A0236	RT32024	Power System Analysis	19	43	3
15VV1A0236	RT32025	Management Science	27	44	3
15VV1A0236	RT32026	Power Semiconductor Drives	20	50	3
15VV1A0236	RT32027	Power Electronics Lab	22	38	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0236	RT32028	Electrical Measurements Lab	18	39	2
15VV1A0237	RT32021	Microprocessors & Microcontrollers	22	47	3
15VV1A0237	RT32022	Switchgear and Protection	18	43	3
15VV1A0237	RT32023	Utilization of Electrical Energy	24	40	3
15VV1A0237	RT32024	Power System Analysis	21	46	3
15VV1A0237	RT32025	Management Science	23	45	3
15VV1A0237	RT32026	Power Semiconductor Drives	23	35	3
15VV1A0237	RT32027	Power Electronics Lab	19	30	2
15VV1A0237	RT32028	Electrical Measurements Lab	20	34	2
15VV1A0238	RT32021	Microprocessors & Microcontrollers	29	35	3
15VV1A0238	RT32022	Switchgear and Protection	25	48	3
15VV1A0238	RT32023	Utilization of Electrical Energy	27	58	3
15VV1A0238	RT32024	Power System Analysis	22	51	3
15VV1A0238	RT32025	Management Science	28	52	3
15VV1A0238	RT32026	Power Semiconductor Drives	25	52	3
15VV1A0238	RT32027	Power Electronics Lab	21	38	2
15VV1A0238	RT32028	Electrical Measurements Lab	19	36	2
15VV1A0239	RT32021	Microprocessors & Microcontrollers	26	36	3
15VV1A0239	RT32022	Switchgear and Protection	23	45	3
15VV1A0239	RT32023	Utilization of Electrical Energy	26	41	3
15VV1A0239	RT32024	Power System Analysis	25	45	3
15VV1A0239	RT32025	Management Science	21	49	3
15VV1A0239	RT32026	Power Semiconductor Drives	24	48	3
15VV1A0239	RT32027	Power Electronics Lab	24	46	2
15VV1A0239	RT32028	Electrical Measurements Lab	21	45	2
15VV1A0240	RT32021	Microprocessors & Microcontrollers	25	33	3
15VV1A0240	RT32022	Switchgear and Protection	23	33	3
15VV1A0240	RT32023	Utilization of Electrical Energy	27	42	3
15VV1A0240	RT32024	Power System Analysis	24	31	3
15VV1A0240	RT32025	Management Science	25	41	3
15VV1A0240	RT32026	Power Semiconductor Drives	21	46	3
15VV1A0240	RT32027	Power Electronics Lab	19	37	2
15VV1A0240	RT32028	Electrical Measurements Lab	17	35	2
15VV1A0241	RT32021	Microprocessors & Microcontrollers	19	5	0
15VV1A0241	RT32022	Switchgear and Protection	6	5	0
15VV1A0241	RT32023	Utilization of Electrical Energy	10	30	3
15VV1A0241	RT32024	Power System Analysis	15	27	3
15VV1A0241	RT32025	Management Science	19	41	3
15VV1A0241	RT32026	Power Semiconductor Drives	16	30	3
15VV1A0241	RT32027	Power Electronics Lab	19	32	2
15VV1A0241	RT32028	Electrical Measurements Lab	18	35	2
15VV1A0242	RT32021	Microprocessors & Microcontrollers	22	28	3
15VV1A0242	RT32022	Switchgear and Protection	14	42	3
15VV1A0242	RT32023	Utilization of Electrical Energy	18	38	3
15VV1A0242	RT32024	Power System Analysis	16	39	3
15VV1A0242	RT32025	Management Science	19	39	3
15VV1A0242	RT32026	Power Semiconductor Drives	20	44	3
15VV1A0242	RT32027	Power Electronics Lab	19	36	2
15VV1A0242	RT32028	Electrical Measurements Lab	15	35	2
15VV1A0243	RT32021	Microprocessors & Microcontrollers	26	29	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0243	RT32022	Switchgear and Protection	20	40	3
15VV1A0243	RT32023	Utilization of Electrical Energy	26	33	3
15VV1A0243	RT32024	Power System Analysis	23	36	3
15VV1A0243	RT32025	Management Science	22	38	3
15VV1A0243	RT32026	Power Semiconductor Drives	23	46	3
15VV1A0243	RT32027	Power Electronics Lab	20	30	2
15VV1A0243	RT32028	Electrical Measurements Lab	17	36	2
15VV1A0244	RT32021	Microprocessors & Microcontrollers	29	45	3
15VV1A0244	RT32022	Switchgear and Protection	26	53	3
15VV1A0244	RT32023	Utilization of Electrical Energy	30	52	3
15VV1A0244	RT32024	Power System Analysis	27	42	3
15VV1A0244	RT32025	Management Science	27	52	3
15VV1A0244	RT32026	Power Semiconductor Drives	25	47	3
15VV1A0244	RT32027	Power Electronics Lab	24	48	2
15VV1A0244	RT32028	Electrical Measurements Lab	21	46	2
15VV1A0245	RT32021	Microprocessors & Microcontrollers	18	18	0
15VV1A0245	RT32022	Switchgear and Protection	8	20	0
15VV1A0245	RT32023	Utilization of Electrical Energy	9	25	0
15VV1A0245	RT32024	Power System Analysis	10	19	0
15VV1A0245	RT32025	Management Science	17	19	0
15VV1A0245	RT32026	Power Semiconductor Drives	10	18	0
15VV1A0245	RT32027	Power Electronics Lab	16	26	2
15VV1A0245	RT32028	Electrical Measurements Lab	16	32	2
15VV1A0246	RT32021	Microprocessors & Microcontrollers	27	34	3
15VV1A0246	RT32022	Switchgear and Protection	20	44	3
15VV1A0246	RT32023	Utilization of Electrical Energy	28	42	3
15VV1A0246	RT32024	Power System Analysis	22	42	3
15VV1A0246	RT32025	Management Science	24	41	3
15VV1A0246	RT32026	Power Semiconductor Drives	20	44	3
15VV1A0246	RT32027	Power Electronics Lab	22	35	2
15VV1A0246	RT32028	Electrical Measurements Lab	20	39	2
15VV1A0247	RT32021	Microprocessors & Microcontrollers	29	30	3
15VV1A0247	RT32022	Switchgear and Protection	17	26	3
15VV1A0247	RT32023	Utilization of Electrical Energy	29	38	3
15VV1A0247	RT32024	Power System Analysis	19	32	3
15VV1A0247	RT32025	Management Science	26	42	3
15VV1A0247	RT32026	Power Semiconductor Drives	25	37	3
15VV1A0247	RT32027	Power Electronics Lab	22	33	2
15VV1A0247	RT32028	Electrical Measurements Lab	18	36	2
15VV1A0248	RT32021	Microprocessors & Microcontrollers	24	14	0
15VV1A0248	RT32022	Switchgear and Protection	10	15	0
15VV1A0248	RT32023	Utilization of Electrical Energy	20	24	3
15VV1A0248	RT32024	Power System Analysis	16	28	3
15VV1A0248	RT32025	Management Science	25	45	3
15VV1A0248	RT32026	Power Semiconductor Drives	14	26	3
15VV1A0248	RT32027	Power Electronics Lab	19	29	2
15VV1A0248	RT32028	Electrical Measurements Lab	15	39	2
15VV1A0249	RT32021	Microprocessors & Microcontrollers	27	35	3
15VV1A0249	RT32022	Switchgear and Protection	21	35	3
15VV1A0249	RT32023	Utilization of Electrical Energy	26	48	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0249	RT32024	Power System Analysis	22	37	3
15VV1A0249	RT32025	Management Science	24	41	3
15VV1A0249	RT32026	Power Semiconductor Drives	24	52	3
15VV1A0249	RT32027	Power Electronics Lab	19	36	2
15VV1A0249	RT32028	Electrical Measurements Lab	16	36	2
15VV1A0250	RT32021	Microprocessors & Microcontrollers	22	32	3
15VV1A0250	RT32022	Switchgear and Protection	11	50	3
15VV1A0250	RT32023	Utilization of Electrical Energy	12	46	3
15VV1A0250	RT32024	Power System Analysis	17	40	3
15VV1A0250	RT32025	Management Science	23	50	3
15VV1A0250	RT32026	Power Semiconductor Drives	17	49	3
15VV1A0250	RT32027	Power Electronics Lab	19	33	2
15VV1A0250	RT32028	Electrical Measurements Lab	15	34	2
15VV1A0301	RT32031	Operations Research	19	29	3
15VV1A0301	RT32032	Interactive Computer Graphics	23	41	3
15VV1A0301	RT32033	Design of Machine Membersâ€" II	20	44	3
15VV1A0301	RT32034	Robotics	20	34	3
15VV1A0301	RT32035	Heat Transfer	17	27	3
15VV1A0301	RT32036	Industrial Engineering Management	23	43	3
15VV1A0301	RT32037A	Refrigeration & Air Conditioning	17	36	3
15VV1A0301	RT32038	Heat Transfer Lab	20	21	2
15VV1A0302	RT32031	Operations Research	16	24	3
15VV1A0302	RT32032	Interactive Computer Graphics	20	38	3
15VV1A0302	RT32033	Design of Machine Membersâ€" II	16	32	3
15VV1A0302	RT32034	Robotics	18	31	3
15VV1A0302	RT32035	Heat Transfer	14	10	0
15VV1A0302	RT32036	Industrial Engineering Management	22	42	3
15VV1A0302	RT32037A	Refrigeration & Air Conditioning	17	33	3
15VV1A0302	RT32038	Heat Transfer Lab	20	18	2
15VV1A0303	RT32031	Operations Research	25	51	3
15VV1A0303	RT32032	Interactive Computer Graphics	27	57	3
15VV1A0303	RT32033	Design of Machine Membersâ€" II	24	55	3
15VV1A0303	RT32034	Robotics	27	40	3
15VV1A0303	RT32035	Heat Transfer	24	49	3
15VV1A0303	RT32036	Industrial Engineering Management	29	51	3
15VV1A0303	RT32037A	Refrigeration & Air Conditioning	24	54	3
15VV1A0303	RT32038	Heat Transfer Lab	24	48	2
15VV1A0304	RT32031	Operations Research	23	36	3
15VV1A0304	RT32032	Interactive Computer Graphics	24	50	3
15VV1A0304	RT32033	Design of Machine Membersâ€" II	22	47	3
15VV1A0304	RT32034	Robotics	25	41	3
15VV1A0304	RT32035	Heat Transfer	20	37	3
15VV1A0304	RT32036	Industrial Engineering Management	25	45	3
15VV1A0304	RT32037A	Refrigeration & Air Conditioning	15	46	3
15VV1A0304	RT32038	Heat Transfer Lab	21	36	2
15VV1A0305	RT32031	Operations Research	23	41	3
15VV1A0305	RT32032	Interactive Computer Graphics	21	46	3
15VV1A0305	RT32033	Design of Machine Membersâ€" II	20	45	3
15VV1A0305	RT32034	Robotics	23	37	3
15VV1A0305	RT32035	Heat Transfer	23	32	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0305	RT32036	Industrial Engineering Management	23	47	3
15VV1A0305	RT32037A	Refrigeration & Air Conditioning	18	44	3
15VV1A0305	RT32038	Heat Transfer Lab	22	45	2
15VV1A0307	RT32031	Operations Research	23	47	3
15VV1A0307	RT32032	Interactive Computer Graphics	25	44	3
15VV1A0307	RT32033	Design of Machine Membersâ€" II	20	47	3
15VV1A0307	RT32034	Robotics	20	42	3
15VV1A0307	RT32035	Heat Transfer	23	34	3
15VV1A0307	RT32036	Industrial Engineering Management	25	48	3
15VV1A0307	RT32037A	Refrigeration & Air Conditioning	20	46	3
15VV1A0307	RT32038	Heat Transfer Lab	24	46	2
15VV1A0308	RT32031	Operations Research	24	49	3
15VV1A0308	RT32032	Interactive Computer Graphics	25	53	3
15VV1A0308	RT32033	Design of Machine Membersâ€" II	25	55	3
15VV1A0308	RT32034	Robotics	27	37	3
15VV1A0308	RT32035	Heat Transfer	20	39	3
15VV1A0308	RT32036	Industrial Engineering Management	27	-1	0
15VV1A0308	RT32037A	Refrigeration & Air Conditioning	21	-1	0
15VV1A0308	RT32038	Heat Transfer Lab	22	44	2
15VV1A0309	RT32031	Operations Research	20	40	3
15VV1A0309	RT32032	Interactive Computer Graphics	27	43	3
15VV1A0309	RT32033	Design of Machine Membersâ€" II	17	30	3
15VV1A0309	RT32034	Robotics	20	41	3
15VV1A0309	RT32035	Heat Transfer	18	33	3
15VV1A0309	RT32036	Industrial Engineering Management	25	48	3
15VV1A0309	RT32037A	Refrigeration & Air Conditioning	18	32	3
15VV1A0309	RT32038	Heat Transfer Lab	23	43	2
15VV1A0310	RT32031	Operations Research	27	52	3
15VV1A0310	RT32032	Interactive Computer Graphics	27	53	3
15VV1A0310	RT32033	Design of Machine Membersâ€" II	28	62	3
15VV1A0310	RT32034	Robotics	28	43	3
15VV1A0310	RT32035	Heat Transfer	24	46	3
15VV1A0310	RT32036	Industrial Engineering Management	27	50	3
15VV1A0310	RT32037A	Refrigeration & Air Conditioning	26	60	3
15VV1A0310	RT32038	Heat Transfer Lab	24	49	2
15VV1A0311	RT32031	Operations Research	24	30	3
15VV1A0311	RT32032	Interactive Computer Graphics	25	48	3
15VV1A0311	RT32033	Design of Machine Membersâ€" II	20	44	3
15VV1A0311	RT32034	Robotics	24	39	3
15VV1A0311	RT32035	Heat Transfer	23	39	3
15VV1A0311	RT32036	Industrial Engineering Management	27	50	3
15VV1A0311	RT32037A	Refrigeration & Air Conditioning	14	46	3
15VV1A0311	RT32038	Heat Transfer Lab	21	40	2
15VV1A0312	RT32031	Operations Research	25	43	3
15VV1A0312	RT32032	Interactive Computer Graphics	25	47	3
15VV1A0312	RT32033	Design of Machine Membersâ€" II	26	53	3
15VV1A0312	RT32034	Robotics	23	33	3
15VV1A0312	RT32035	Heat Transfer	22	47	3
15VV1A0312	RT32036	Industrial Engineering Management	24	47	3
15VV1A0312	RT32037A	Refrigeration & Air Conditioning	21	53	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0312	RT32038	Heat Transfer Lab	24	49	2
15VV1A0313	RT32031	Operations Research	22	49	3
15VV1A0313	RT32032	Interactive Computer Graphics	24	52	3
15VV1A0313	RT32033	Design of Machine Members– II	19	34	3
15VV1A0313	RT32034	Robotics	23	38	3
15VV1A0313	RT32035	Heat Transfer	23	40	3
15VV1A0313	RT32036	Industrial Engineering Management	25	50	3
15VV1A0313	RT32037A	Refrigeration & Air Conditioning	21	37	3
15VV1A0313	RT32038	Heat Transfer Lab	24	48	2
15VV1A0314	RT32031	Operations Research	23	50	3
15VV1A0314	RT32032	Interactive Computer Graphics	26	50	3
15VV1A0314	RT32033	Design of Machine Members– II	20	53	3
15VV1A0314	RT32034	Robotics	22	45	3
15VV1A0314	RT32035	Heat Transfer	20	48	3
15VV1A0314	RT32036	Industrial Engineering Management	24	46	3
15VV1A0314	RT32037A	Refrigeration & Air Conditioning	22	44	3
15VV1A0314	RT32038	Heat Transfer Lab	23	42	2
15VV1A0315	RT32031	Operations Research	16	25	3
15VV1A0315	RT32032	Interactive Computer Graphics	18	29	3
15VV1A0315	RT32033	Design of Machine Members– II	21	25	3
15VV1A0315	RT32034	Robotics	18	26	3
15VV1A0315	RT32035	Heat Transfer	15	4	0
15VV1A0315	RT32036	Industrial Engineering Management	19	38	3
15VV1A0315	RT32037A	Refrigeration & Air Conditioning	16	17	0
15VV1A0315	RT32038	Heat Transfer Lab	18	18	2
15VV1A0316	RT32031	Operations Research	23	51	3
15VV1A0316	RT32032	Interactive Computer Graphics	25	51	3
15VV1A0316	RT32033	Design of Machine Members– II	21	51	3
15VV1A0316	RT32034	Robotics	24	44	3
15VV1A0316	RT32035	Heat Transfer	22	39	3
15VV1A0316	RT32036	Industrial Engineering Management	28	50	3
15VV1A0316	RT32037A	Refrigeration & Air Conditioning	21	56	3
15VV1A0316	RT32038	Heat Transfer Lab	23	49	2
15VV1A0317	RT32031	Operations Research	25	51	3
15VV1A0317	RT32032	Interactive Computer Graphics	25	52	3
15VV1A0317	RT32033	Design of Machine Members– II	28	54	3
15VV1A0317	RT32034	Robotics	22	36	3
15VV1A0317	RT32035	Heat Transfer	21	38	3
15VV1A0317	RT32036	Industrial Engineering Management	26	46	3
15VV1A0317	RT32037A	Refrigeration & Air Conditioning	28	55	3
15VV1A0317	RT32038	Heat Transfer Lab	24	49	2
15VV1A0319	RT32031	Operations Research	23	43	3
15VV1A0319	RT32032	Interactive Computer Graphics	26	46	3
15VV1A0319	RT32033	Design of Machine Members– II	24	49	3
15VV1A0319	RT32034	Robotics	19	42	3
15VV1A0319	RT32035	Heat Transfer	21	40	3
15VV1A0319	RT32036	Industrial Engineering Management	24	42	3
15VV1A0319	RT32037A	Refrigeration & Air Conditioning	20	50	3
15VV1A0319	RT32038	Heat Transfer Lab	21	30	2
15VV1A0320	RT32031	Operations Research	23	42	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0320	RT32032	Interactive Computer Graphics	26	49	3
15VV1A0320	RT32033	Design of Machine Membersâ€" II	20	28	3
15VV1A0320	RT32034	Robotics	23	32	3
15VV1A0320	RT32035	Heat Transfer	24	37	3
15VV1A0320	RT32036	Industrial Engineering Management	23	46	3
15VV1A0320	RT32037A	Refrigeration & Air Conditioning	19	35	3
15VV1A0320	RT32038	Heat Transfer Lab	22	42	2
15VV1A0322	RT32031	Operations Research	21	44	3
15VV1A0322	RT32032	Interactive Computer Graphics	23	45	3
15VV1A0322	RT32033	Design of Machine Membersâ€" II	20	37	3
15VV1A0322	RT32034	Robotics	22	38	3
15VV1A0322	RT32035	Heat Transfer	19	39	3
15VV1A0322	RT32036	Industrial Engineering Management	23	41	3
15VV1A0322	RT32037A	Refrigeration & Air Conditioning	17	44	3
15VV1A0322	RT32038	Heat Transfer Lab	23	36	2
15VV1A0323	RT32031	Operations Research	22	40	3
15VV1A0323	RT32032	Interactive Computer Graphics	26	38	3
15VV1A0323	RT32033	Design of Machine Membersâ€" II	22	37	3
15VV1A0323	RT32034	Robotics	25	36	3
15VV1A0323	RT32035	Heat Transfer	22	39	3
15VV1A0323	RT32036	Industrial Engineering Management	23	45	3
15VV1A0323	RT32037A	Refrigeration & Air Conditioning	19	44	3
15VV1A0323	RT32038	Heat Transfer Lab	22	40	2
15VV1A0324	RT32031	Operations Research	25	45	3
15VV1A0324	RT32032	Interactive Computer Graphics	23	41	3
15VV1A0324	RT32033	Design of Machine Membersâ€" II	22	51	3
15VV1A0324	RT32034	Robotics	24	46	3
15VV1A0324	RT32035	Heat Transfer	24	38	3
15VV1A0324	RT32036	Industrial Engineering Management	26	45	3
15VV1A0324	RT32037A	Refrigeration & Air Conditioning	23	50	3
15VV1A0324	RT32038	Heat Transfer Lab	23	49	2
15VV1A0325	RT32031	Operations Research	24	40	3
15VV1A0325	RT32032	Interactive Computer Graphics	28	46	3
15VV1A0325	RT32033	Design of Machine Membersâ€" II	22	36	3
15VV1A0325	RT32034	Robotics	25	40	3
15VV1A0325	RT32035	Heat Transfer	22	31	3
15VV1A0325	RT32036	Industrial Engineering Management	26	46	3
15VV1A0325	RT32037A	Refrigeration & Air Conditioning	22	45	3
15VV1A0325	RT32038	Heat Transfer Lab	22	42	2
15VV1A0326	RT32031	Operations Research	20	51	3
15VV1A0326	RT32032	Interactive Computer Graphics	25	47	3
15VV1A0326	RT32033	Design of Machine Membersâ€" II	20	51	3
15VV1A0326	RT32034	Robotics	23	42	3
15VV1A0326	RT32035	Heat Transfer	24	45	3
15VV1A0326	RT32036	Industrial Engineering Management	26	49	3
15VV1A0326	RT32037A	Refrigeration & Air Conditioning	19	40	3
15VV1A0326	RT32038	Heat Transfer Lab	23	44	2
15VV1A0327	RT32031	Operations Research	26	41	3
15VV1A0327	RT32032	Interactive Computer Graphics	25	43	3
15VV1A0327	RT32033	Design of Machine Membersâ€" II	26	44	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0327	RT32034	Robotics	23	34	3
15VV1A0327	RT32035	Heat Transfer	22	45	3
15VV1A0327	RT32036	Industrial Engineering Management	27	52	3
15VV1A0327	RT32037A	Refrigeration & Air Conditioning	22	53	3
15VV1A0327	RT32038	Heat Transfer Lab	24	45	2
15VV1A0329	RT32031	Operations Research	23	46	3
15VV1A0329	RT32032	Interactive Computer Graphics	26	49	3
15VV1A0329	RT32033	Design of Machine Membersâ€" II	22	47	3
15VV1A0329	RT32034	Robotics	26	42	3
15VV1A0329	RT32035	Heat Transfer	25	34	3
15VV1A0329	RT32036	Industrial Engineering Management	25	48	3
15VV1A0329	RT32037A	Refrigeration & Air Conditioning	25	49	3
15VV1A0329	RT32038	Heat Transfer Lab	23	44	2
15VV1A0330	RT32031	Operations Research	22	48	3
15VV1A0330	RT32032	Interactive Computer Graphics	26	49	3
15VV1A0330	RT32033	Design of Machine Membersâ€" II	25	52	3
15VV1A0330	RT32034	Robotics	28	44	3
15VV1A0330	RT32035	Heat Transfer	26	36	3
15VV1A0330	RT32036	Industrial Engineering Management	25	46	3
15VV1A0330	RT32037A	Refrigeration & Air Conditioning	26	48	3
15VV1A0330	RT32038	Heat Transfer Lab	23	48	2
15VV1A0331	RT32031	Operations Research	25	41	3
15VV1A0331	RT32032	Interactive Computer Graphics	28	48	3
15VV1A0331	RT32033	Design of Machine Membersâ€" II	23	33	3
15VV1A0331	RT32034	Robotics	25	39	3
15VV1A0331	RT32035	Heat Transfer	22	32	3
15VV1A0331	RT32036	Industrial Engineering Management	23	49	3
15VV1A0331	RT32037A	Refrigeration & Air Conditioning	20	46	3
15VV1A0331	RT32038	Heat Transfer Lab	22	43	2
15VV1A0332	RT32031	Operations Research	23	55	3
15VV1A0332	RT32032	Interactive Computer Graphics	28	51	3
15VV1A0332	RT32033	Design of Machine Membersâ€" II	26	52	3
15VV1A0332	RT32034	Robotics	24	43	3
15VV1A0332	RT32035	Heat Transfer	21	48	3
15VV1A0332	RT32036	Industrial Engineering Management	24	45	3
15VV1A0332	RT32037A	Refrigeration & Air Conditioning	18	47	3
15VV1A0332	RT32038	Heat Transfer Lab	23	45	2
15VV1A0333	RT32031	Operations Research	25	48	3
15VV1A0333	RT32032	Interactive Computer Graphics	26	46	3
15VV1A0333	RT32033	Design of Machine Membersâ€" II	25	52	3
15VV1A0333	RT32034	Robotics	25	44	3
15VV1A0333	RT32035	Heat Transfer	24	39	3
15VV1A0333	RT32036	Industrial Engineering Management	25	50	3
15VV1A0333	RT32037A	Refrigeration & Air Conditioning	23	52	3
15VV1A0333	RT32038	Heat Transfer Lab	23	45	2
15VV1A0334	RT32031	Operations Research	23	42	3
15VV1A0334	RT32032	Interactive Computer Graphics	26	43	3
15VV1A0334	RT32033	Design of Machine Membersâ€" II	23	49	3
15VV1A0334	RT32034	Robotics	25	46	3
15VV1A0334	RT32035	Heat Transfer	24	41	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0334	RT32036	Industrial Engineering Management	27	49	3
15VV1A0334	RT32037A	Refrigeration & Air Conditioning	23	47	3
15VV1A0334	RT32038	Heat Transfer Lab	23	45	2
15VV1A0335	RT32031	Operations Research	23	42	3
15VV1A0335	RT32032	Interactive Computer Graphics	20	50	3
15VV1A0335	RT32033	Design of Machine Membersâ€" II	23	43	3
15VV1A0335	RT32034	Robotics	22	38	3
15VV1A0335	RT32035	Heat Transfer	23	33	3
15VV1A0335	RT32036	Industrial Engineering Management	26	50	3
15VV1A0335	RT32037A	Refrigeration & Air Conditioning	22	48	3
15VV1A0335	RT32038	Heat Transfer Lab	23	48	2
15VV1A0336	RT32031	Operations Research	22	37	3
15VV1A0336	RT32032	Interactive Computer Graphics	17	43	3
15VV1A0336	RT32033	Design of Machine Membersâ€" II	21	24	3
15VV1A0336	RT32034	Robotics	18	24	3
15VV1A0336	RT32035	Heat Transfer	20	24	3
15VV1A0336	RT32036	Industrial Engineering Management	21	38	3
15VV1A0336	RT32037A	Refrigeration & Air Conditioning	15	25	3
15VV1A0336	RT32038	Heat Transfer Lab	20	38	2
15VV1A0337	RT32031	Operations Research	23	48	3
15VV1A0337	RT32032	Interactive Computer Graphics	26	54	3
15VV1A0337	RT32033	Design of Machine Membersâ€" II	26	52	3
15VV1A0337	RT32034	Robotics	26	44	3
15VV1A0337	RT32035	Heat Transfer	21	42	3
15VV1A0337	RT32036	Industrial Engineering Management	25	54	3
15VV1A0337	RT32037A	Refrigeration & Air Conditioning	23	56	3
15VV1A0337	RT32038	Heat Transfer Lab	24	47	2
15VV1A0338	RT32031	Operations Research	22	44	3
15VV1A0338	RT32032	Interactive Computer Graphics	26	46	3
15VV1A0338	RT32033	Design of Machine Membersâ€" II	26	55	3
15VV1A0338	RT32034	Robotics	27	43	3
15VV1A0338	RT32035	Heat Transfer	22	41	3
15VV1A0338	RT32036	Industrial Engineering Management	24	45	3
15VV1A0338	RT32037A	Refrigeration & Air Conditioning	23	48	3
15VV1A0338	RT32038	Heat Transfer Lab	23	48	2
15VV1A0339	RT32031	Operations Research	18	43	3
15VV1A0339	RT32032	Interactive Computer Graphics	15	40	3
15VV1A0339	RT32033	Design of Machine Membersâ€" II	20	30	3
15VV1A0339	RT32034	Robotics	17	32	3
15VV1A0339	RT32035	Heat Transfer	16	28	3
15VV1A0339	RT32036	Industrial Engineering Management	26	51	3
15VV1A0339	RT32037A	Refrigeration & Air Conditioning	16	24	3
15VV1A0339	RT32038	Heat Transfer Lab	19	30	2
15VV1A0340	RT32031	Operations Research	22	30	3
15VV1A0340	RT32032	Interactive Computer Graphics	25	35	3
15VV1A0340	RT32033	Design of Machine Membersâ€" II	20	35	3
15VV1A0340	RT32034	Robotics	19	32	3
15VV1A0340	RT32035	Heat Transfer	17	24	3
15VV1A0340	RT32036	Industrial Engineering Management	22	43	3
15VV1A0340	RT32037A	Refrigeration & Air Conditioning	19	33	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0340	RT32038	Heat Transfer Lab	19	34	2
15VV1A0341	RT32031	Operations Research	24	49	3
15VV1A0341	RT32032	Interactive Computer Graphics	27	49	3
15VV1A0341	RT32033	Design of Machine Membersâ€" II	23	45	3
15VV1A0341	RT32034	Robotics	22	42	3
15VV1A0341	RT32035	Heat Transfer	23	28	3
15VV1A0341	RT32036	Industrial Engineering Management	23	45	3
15VV1A0341	RT32037A	Refrigeration & Air Conditioning	21	44	3
15VV1A0341	RT32038	Heat Transfer Lab	23	44	2
15VV1A0342	RT32031	Operations Research	20	29	3
15VV1A0342	RT32032	Interactive Computer Graphics	18	34	3
15VV1A0342	RT32033	Design of Machine Membersâ€" II	14	46	3
15VV1A0342	RT32034	Robotics	16	32	3
15VV1A0342	RT32035	Heat Transfer	12	28	3
15VV1A0342	RT32036	Industrial Engineering Management	20	40	3
15VV1A0342	RT32037A	Refrigeration & Air Conditioning	14	30	3
15VV1A0342	RT32038	Heat Transfer Lab	19	40	2
15VV1A0343	RT32031	Operations Research	20	13	0
15VV1A0343	RT32032	Interactive Computer Graphics	26	39	3
15VV1A0343	RT32033	Design of Machine Membersâ€" II	15	30	3
15VV1A0343	RT32034	Robotics	16	37	3
15VV1A0343	RT32035	Heat Transfer	19	34	3
15VV1A0343	RT32036	Industrial Engineering Management	23	40	3
15VV1A0343	RT32037A	Refrigeration & Air Conditioning	15	29	3
15VV1A0343	RT32038	Heat Transfer Lab	20	40	2
15VV1A0344	RT32031	Operations Research	24	40	3
15VV1A0344	RT32032	Interactive Computer Graphics	27	51	3
15VV1A0344	RT32033	Design of Machine Membersâ€" II	22	46	3
15VV1A0344	RT32034	Robotics	24	40	3
15VV1A0344	RT32035	Heat Transfer	18	36	3
15VV1A0344	RT32036	Industrial Engineering Management	23	52	3
15VV1A0344	RT32037A	Refrigeration & Air Conditioning	17	42	3
15VV1A0344	RT32038	Heat Transfer Lab	23	45	2
15VV1A0345	RT32031	Operations Research	23	37	3
15VV1A0345	RT32032	Interactive Computer Graphics	21	43	3
15VV1A0345	RT32033	Design of Machine Membersâ€" II	15	31	3
15VV1A0345	RT32034	Robotics	20	38	3
15VV1A0345	RT32035	Heat Transfer	16	28	3
15VV1A0345	RT32036	Industrial Engineering Management	18	45	3
15VV1A0345	RT32037A	Refrigeration & Air Conditioning	16	34	3
15VV1A0345	RT32038	Heat Transfer Lab	21	42	2
15VV1A0346	RT32031	Operations Research	26	53	3
15VV1A0346	RT32032	Interactive Computer Graphics	26	44	3
15VV1A0346	RT32033	Design of Machine Membersâ€" II	26	53	3
15VV1A0346	RT32034	Robotics	19	42	3
15VV1A0346	RT32035	Heat Transfer	23	40	3
15VV1A0346	RT32036	Industrial Engineering Management	24	44	3
15VV1A0346	RT32037A	Refrigeration & Air Conditioning	20	33	3
15VV1A0346	RT32038	Heat Transfer Lab	23	46	2
15VV1A0347	RT32031	Operations Research	20	48	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0347	RT32032	Interactive Computer Graphics	26	56	3
15VV1A0347	RT32033	Design of Machine Membersâ€" II	22	49	3
15VV1A0347	RT32034	Robotics	22	43	3
15VV1A0347	RT32035	Heat Transfer	22	34	3
15VV1A0347	RT32036	Industrial Engineering Management	25	51	3
15VV1A0347	RT32037A	Refrigeration & Air Conditioning	21	47	3
15VV1A0347	RT32038	Heat Transfer Lab	23	45	2
15VV1A0349	RT32031	Operations Research	24	44	3
15VV1A0349	RT32032	Interactive Computer Graphics	19	43	3
15VV1A0349	RT32033	Design of Machine Membersâ€" II	22	51	3
15VV1A0349	RT32034	Robotics	22	38	3
15VV1A0349	RT32035	Heat Transfer	19	41	3
15VV1A0349	RT32036	Industrial Engineering Management	24	52	3
15VV1A0349	RT32037A	Refrigeration & Air Conditioning	18	46	3
15VV1A0349	RT32038	Heat Transfer Lab	21	45	2
15VV1A0350	RT32031	Operations Research	25	39	3
15VV1A0350	RT32032	Interactive Computer Graphics	27	29	3
15VV1A0350	RT32033	Design of Machine Membersâ€" II	24	35	3
15VV1A0350	RT32034	Robotics	29	32	3
15VV1A0350	RT32035	Heat Transfer	26	34	3
15VV1A0350	RT32036	Industrial Engineering Management	27	40	3
15VV1A0350	RT32037A	Refrigeration & Air Conditioning	25	40	3
15VV1A0350	RT32038	Heat Transfer Lab	23	47	2
15VV1A0352	RT32031	Operations Research	25	37	3
15VV1A0352	RT32032	Interactive Computer Graphics	25	37	3
15VV1A0352	RT32033	Design of Machine Membersâ€" II	26	44	3
15VV1A0352	RT32034	Robotics	26	39	3
15VV1A0352	RT32035	Heat Transfer	22	33	3
15VV1A0352	RT32036	Industrial Engineering Management	26	45	3
15VV1A0352	RT32037A	Refrigeration & Air Conditioning	22	37	3
15VV1A0352	RT32038	Heat Transfer Lab	22	39	2
15VV1A0353	RT32031	Operations Research	27	44	3
15VV1A0353	RT32032	Interactive Computer Graphics	22	51	3
15VV1A0353	RT32033	Design of Machine Membersâ€" II	21	42	3
15VV1A0353	RT32034	Robotics	23	44	3
15VV1A0353	RT32035	Heat Transfer	23	37	3
15VV1A0353	RT32036	Industrial Engineering Management	25	49	3
15VV1A0353	RT32037A	Refrigeration & Air Conditioning	17	46	3
15VV1A0353	RT32038	Heat Transfer Lab	23	44	2
15VV1A0354	RT32031	Operations Research	23	41	3
15VV1A0354	RT32032	Interactive Computer Graphics	25	43	3
15VV1A0354	RT32033	Design of Machine Membersâ€" II	26	43	3
15VV1A0354	RT32034	Robotics	24	37	3
15VV1A0354	RT32035	Heat Transfer	21	33	3
15VV1A0354	RT32036	Industrial Engineering Management	23	42	3
15VV1A0354	RT32037A	Refrigeration & Air Conditioning	17	36	3
15VV1A0354	RT32038	Heat Transfer Lab	22	44	2
15VV1A0355	RT32031	Operations Research	23	35	3
15VV1A0355	RT32032	Interactive Computer Graphics	28	46	3
15VV1A0355	RT32033	Design of Machine Membersâ€" II	22	39	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0355	RT32034	Robotics	23	38	3
15VV1A0355	RT32035	Heat Transfer	21	33	3
15VV1A0355	RT32036	Industrial Engineering Management	24	41	3
15VV1A0355	RT32037A	Refrigeration & Air Conditioning	19	37	3
15VV1A0355	RT32038	Heat Transfer Lab	22	44	2
15VV1A0357	RT32031	Operations Research	22	43	3
15VV1A0357	RT32032	Interactive Computer Graphics	19	44	3
15VV1A0357	RT32033	Design of Machine Membersâ€" II	24	48	3
15VV1A0357	RT32034	Robotics	22	37	3
15VV1A0357	RT32035	Heat Transfer	23	44	3
15VV1A0357	RT32036	Industrial Engineering Management	22	46	3
15VV1A0357	RT32037A	Refrigeration & Air Conditioning	20	44	3
15VV1A0357	RT32038	Heat Transfer Lab	21	29	2
15VV1A0358	RT32031	Operations Research	16	24	3
15VV1A0358	RT32032	Interactive Computer Graphics	19	28	3
15VV1A0358	RT32033	Design of Machine Membersâ€" II	18	25	3
15VV1A0358	RT32034	Robotics	20	34	3
15VV1A0358	RT32035	Heat Transfer	16	9	0
15VV1A0358	RT32036	Industrial Engineering Management	22	42	3
15VV1A0358	RT32037A	Refrigeration & Air Conditioning	21	24	3
15VV1A0358	RT32038	Heat Transfer Lab	18	39	2
15VV1A0402	RT32041	Microprocessors and Microcontrollers	22	53	3
15VV1A0402	RT32042	Digital Signal Processing	27	42	3
15VV1A0402	RT32043	Digital Communications	28	59	3
15VV1A0402	RT32044	Microwave Engineering	25	60	3
15VV1A0402	RT32045A	Bio Medical Engineering	26	50	3
15VV1A0402	RT32046	Microprocessors and Microcontrollers Lab	23	46	2
15VV1A0402	RT32047	Digital Communications Lab	24	45	2
15VV1A0402	RT32048	Digital Signal Processing Lab	25	46	2
15VV1A0402	RT32049	Seminar	45	0	1
15VV1A0403	RT32041	Microprocessors and Microcontrollers	23	49	3
15VV1A0403	RT32042	Digital Signal Processing	26	48	3
15VV1A0403	RT32043	Digital Communications	27	59	3
15VV1A0403	RT32044	Microwave Engineering	27	54	3
15VV1A0403	RT32045A	Bio Medical Engineering	27	60	3
15VV1A0403	RT32046	Microprocessors and Microcontrollers Lab	23	48	2
15VV1A0403	RT32047	Digital Communications Lab	23	45	2
15VV1A0403	RT32048	Digital Signal Processing Lab	25	46	2
15VV1A0403	RT32049	Seminar	46	0	1
15VV1A0404	RT32041	Microprocessors and Microcontrollers	21	53	3
15VV1A0404	RT32042	Digital Signal Processing	20	31	3
15VV1A0404	RT32043	Digital Communications	23	50	3
15VV1A0404	RT32044	Microwave Engineering	21	52	3
15VV1A0404	RT32045A	Bio Medical Engineering	23	40	3
15VV1A0404	RT32046	Microprocessors and Microcontrollers Lab	23	44	2
15VV1A0404	RT32047	Digital Communications Lab	22	44	2
15VV1A0404	RT32048	Digital Signal Processing Lab	24	42	2
15VV1A0404	RT32049	Seminar	40	0	1
15VV1A0405	RT32041	Microprocessors and Microcontrollers	19	24	3
15VV1A0405	RT32042	Digital Signal Processing	20	30	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0405	RT32043	Digital Communications	16	35	3
15VV1A0405	RT32044	Microwave Engineering	22	30	3
15VV1A0405	RT32045A	Bio Medical Engineering	19	44	3
15VV1A0405	RT32046	Microprocessors and Microcontrollers Lab	23	40	2
15VV1A0405	RT32047	Digital Communications Lab	21	40	2
15VV1A0405	RT32048	Digital Signal Processing Lab	21	40	2
15VV1A0405	RT32049	Seminar	42	0	1
15VV1A0406	RT32041	Microprocessors and Microcontrollers	14	41	3
15VV1A0406	RT32042	Digital Signal Processing	20	33	3
15VV1A0406	RT32043	Digital Communications	17	38	3
15VV1A0406	RT32044	Microwave Engineering	22	37	3
15VV1A0406	RT32045A	Bio Medical Engineering	24	43	3
15VV1A0406	RT32046	Microprocessors and Microcontrollers Lab	22	39	2
15VV1A0406	RT32047	Digital Communications Lab	23	41	2
15VV1A0406	RT32048	Digital Signal Processing Lab	22	38	2
15VV1A0406	RT32049	Seminar	41	0	1
15VV1A0407	RT32041	Microprocessors and Microcontrollers	18	52	3
15VV1A0407	RT32042	Digital Signal Processing	23	33	3
15VV1A0407	RT32043	Digital Communications	26	50	3
15VV1A0407	RT32044	Microwave Engineering	24	48	3
15VV1A0407	RT32045A	Bio Medical Engineering	26	62	3
15VV1A0407	RT32046	Microprocessors and Microcontrollers Lab	24	40	2
15VV1A0407	RT32047	Digital Communications Lab	22	43	2
15VV1A0407	RT32048	Digital Signal Processing Lab	25	45	2
15VV1A0407	RT32049	Seminar	41	0	1
15VV1A0408	RT32041	Microprocessors and Microcontrollers	18	47	3
15VV1A0408	RT32042	Digital Signal Processing	22	40	3
15VV1A0408	RT32043	Digital Communications	24	55	3
15VV1A0408	RT32044	Microwave Engineering	23	56	3
15VV1A0408	RT32045A	Bio Medical Engineering	26	57	3
15VV1A0408	RT32046	Microprocessors and Microcontrollers Lab	25	46	2
15VV1A0408	RT32047	Digital Communications Lab	25	47	2
15VV1A0408	RT32048	Digital Signal Processing Lab	25	45	2
15VV1A0408	RT32049	Seminar	46	0	1
15VV1A0409	RT32041	Microprocessors and Microcontrollers	24	61	3
15VV1A0409	RT32042	Digital Signal Processing	28	48	3
15VV1A0409	RT32043	Digital Communications	28	57	3
15VV1A0409	RT32044	Microwave Engineering	25	63	3
15VV1A0409	RT32045A	Bio Medical Engineering	28	61	3
15VV1A0409	RT32046	Microprocessors and Microcontrollers Lab	24	47	2
15VV1A0409	RT32047	Digital Communications Lab	25	48	2
15VV1A0409	RT32048	Digital Signal Processing Lab	25	46	2
15VV1A0409	RT32049	Seminar	48	0	1
15VV1A0410	RT32041	Microprocessors and Microcontrollers	23	50	3
15VV1A0410	RT32042	Digital Signal Processing	26	40	3
15VV1A0410	RT32043	Digital Communications	27	56	3
15VV1A0410	RT32044	Microwave Engineering	25	48	3
15VV1A0410	RT32045A	Bio Medical Engineering	27	52	3
15VV1A0410	RT32046	Microprocessors and Microcontrollers Lab	25	46	2
15VV1A0410	RT32047	Digital Communications Lab	25	48	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0410	RT32048	Digital Signal Processing Lab	25	46	2
15VV1A0410	RT32049	Seminar	46	0	1
15VV1A0411	RT32041	Microprocessors and Microcontrollers	22	44	3
15VV1A0411	RT32042	Digital Signal Processing	21	27	3
15VV1A0411	RT32043	Digital Communications	24	56	3
15VV1A0411	RT32044	Microwave Engineering	23	45	3
15VV1A0411	RT32045A	Bio Medical Engineering	26	52	3
15VV1A0411	RT32046	Microprocessors and Microcontrollers Lab	23	44	2
15VV1A0411	RT32047	Digital Communications Lab	23	44	2
15VV1A0411	RT32048	Digital Signal Processing Lab	22	43	2
15VV1A0411	RT32049	Seminar	44	0	1
15VV1A0412	RT32041	Microprocessors and Microcontrollers	17	54	3
15VV1A0412	RT32042	Digital Signal Processing	23	45	3
15VV1A0412	RT32043	Digital Communications	25	52	3
15VV1A0412	RT32044	Microwave Engineering	25	54	3
15VV1A0412	RT32045A	Bio Medical Engineering	25	53	3
15VV1A0412	RT32046	Microprocessors and Microcontrollers Lab	23	44	2
15VV1A0412	RT32047	Digital Communications Lab	22	42	2
15VV1A0412	RT32048	Digital Signal Processing Lab	22	40	2
15VV1A0412	RT32049	Seminar	44	0	1
15VV1A0413	RT32041	Microprocessors and Microcontrollers	22	49	3
15VV1A0413	RT32042	Digital Signal Processing	19	29	3
15VV1A0413	RT32043	Digital Communications	26	47	3
15VV1A0413	RT32044	Microwave Engineering	22	56	3
15VV1A0413	RT32045A	Bio Medical Engineering	26	43	3
15VV1A0413	RT32046	Microprocessors and Microcontrollers Lab	23	44	2
15VV1A0413	RT32047	Digital Communications Lab	22	43	2
15VV1A0413	RT32048	Digital Signal Processing Lab	23	40	2
15VV1A0413	RT32049	Seminar	40	0	1
15VV1A0414	RT32041	Microprocessors and Microcontrollers	21	51	3
15VV1A0414	RT32042	Digital Signal Processing	21	50	3
15VV1A0414	RT32043	Digital Communications	27	57	3
15VV1A0414	RT32044	Microwave Engineering	22	56	3
15VV1A0414	RT32045A	Bio Medical Engineering	26	60	3
15VV1A0414	RT32046	Microprocessors and Microcontrollers Lab	23	45	2
15VV1A0414	RT32047	Digital Communications Lab	25	48	2
15VV1A0414	RT32048	Digital Signal Processing Lab	25	46	2
15VV1A0414	RT32049	Seminar	46	0	1
15VV1A0415	RT32041	Microprocessors and Microcontrollers	17	36	3
15VV1A0415	RT32042	Digital Signal Processing	21	31	3
15VV1A0415	RT32043	Digital Communications	15	46	3
15VV1A0415	RT32044	Microwave Engineering	23	39	3
15VV1A0415	RT32045A	Bio Medical Engineering	18	43	3
15VV1A0415	RT32046	Microprocessors and Microcontrollers Lab	23	43	2
15VV1A0415	RT32047	Digital Communications Lab	23	44	2
15VV1A0415	RT32048	Digital Signal Processing Lab	23	42	2
15VV1A0415	RT32049	Seminar	43	0	1
15VV1A0416	RT32041	Microprocessors and Microcontrollers	23	54	3
15VV1A0416	RT32042	Digital Signal Processing	27	37	3
15VV1A0416	RT32043	Digital Communications	26	60	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0416	RT32044	Microwave Engineering	28	51	3
15VV1A0416	RT32045A	Bio Medical Engineering	26	52	3
15VV1A0416	RT32046	Microprocessors and Microcontrollers Lab	25	42	2
15VV1A0416	RT32047	Digital Communications Lab	23	46	2
15VV1A0416	RT32048	Digital Signal Processing Lab	24	42	2
15VV1A0416	RT32049	Seminar	40	0	1
15VV1A0417	RT32041	Microprocessors and Microcontrollers	16	44	3
15VV1A0417	RT32042	Digital Signal Processing	25	38	3
15VV1A0417	RT32043	Digital Communications	20	42	3
15VV1A0417	RT32044	Microwave Engineering	22	55	3
15VV1A0417	RT32045A	Bio Medical Engineering	25	43	3
15VV1A0417	RT32046	Microprocessors and Microcontrollers Lab	24	43	2
15VV1A0417	RT32047	Digital Communications Lab	21	42	2
15VV1A0417	RT32048	Digital Signal Processing Lab	22	43	2
15VV1A0417	RT32049	Seminar	44	0	1
15VV1A0418	RT32041	Microprocessors and Microcontrollers	24	50	3
15VV1A0418	RT32042	Digital Signal Processing	24	40	3
15VV1A0418	RT32043	Digital Communications	27	60	3
15VV1A0418	RT32044	Microwave Engineering	21	41	3
15VV1A0418	RT32045A	Bio Medical Engineering	27	46	3
15VV1A0418	RT32046	Microprocessors and Microcontrollers Lab	24	44	2
15VV1A0418	RT32047	Digital Communications Lab	23	45	2
15VV1A0418	RT32048	Digital Signal Processing Lab	22	44	2
15VV1A0418	RT32049	Seminar	45	0	1
15VV1A0419	RT32041	Microprocessors and Microcontrollers	16	35	3
15VV1A0419	RT32042	Digital Signal Processing	19	28	3
15VV1A0419	RT32043	Digital Communications	19	29	3
15VV1A0419	RT32044	Microwave Engineering	20	40	3
15VV1A0419	RT32045A	Bio Medical Engineering	21	29	3
15VV1A0419	RT32046	Microprocessors and Microcontrollers Lab	22	41	2
15VV1A0419	RT32047	Digital Communications Lab	23	44	2
15VV1A0419	RT32048	Digital Signal Processing Lab	21	38	2
15VV1A0419	RT32049	Seminar	36	0	1
15VV1A0420	RT32041	Microprocessors and Microcontrollers	22	55	3
15VV1A0420	RT32042	Digital Signal Processing	21	41	3
15VV1A0420	RT32043	Digital Communications	22	65	3
15VV1A0420	RT32044	Microwave Engineering	21	51	3
15VV1A0420	RT32045A	Bio Medical Engineering	25	49	3
15VV1A0420	RT32046	Microprocessors and Microcontrollers Lab	24	41	2
15VV1A0420	RT32047	Digital Communications Lab	21	43	2
15VV1A0420	RT32048	Digital Signal Processing Lab	21	40	2
15VV1A0420	RT32049	Seminar	43	0	1
15VV1A0421	RT32041	Microprocessors and Microcontrollers	16	47	3
15VV1A0421	RT32042	Digital Signal Processing	24	32	3
15VV1A0421	RT32043	Digital Communications	24	55	3
15VV1A0421	RT32044	Microwave Engineering	24	49	3
15VV1A0421	RT32045A	Bio Medical Engineering	27	56	3
15VV1A0421	RT32046	Microprocessors and Microcontrollers Lab	22	42	2
15VV1A0421	RT32047	Digital Communications Lab	23	47	2
15VV1A0421	RT32048	Digital Signal Processing Lab	21	40	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0421	RT32049	Seminar	42	0	1
15VV1A0423	RT32041	Microprocessors and Microcontrollers	16	47	3
15VV1A0423	RT32042	Digital Signal Processing	23	45	3
15VV1A0423	RT32043	Digital Communications	26	42	3
15VV1A0423	RT32044	Microwave Engineering	22	43	3
15VV1A0423	RT32045A	Bio Medical Engineering	27	40	3
15VV1A0423	RT32046	Microprocessors and Microcontrollers Lab	25	45	2
15VV1A0423	RT32047	Digital Communications Lab	25	48	2
15VV1A0423	RT32048	Digital Signal Processing Lab	24	46	2
15VV1A0423	RT32049	Seminar	44	0	1
15VV1A0424	RT32041	Microprocessors and Microcontrollers	13	39	3
15VV1A0424	RT32042	Digital Signal Processing	21	28	3
15VV1A0424	RT32043	Digital Communications	15	51	3
15VV1A0424	RT32044	Microwave Engineering	22	39	3
15VV1A0424	RT32045A	Bio Medical Engineering	23	29	3
15VV1A0424	RT32046	Microprocessors and Microcontrollers Lab	21	40	2
15VV1A0424	RT32047	Digital Communications Lab	21	40	2
15VV1A0424	RT32048	Digital Signal Processing Lab	21	39	2
15VV1A0424	RT32049	Seminar	43	0	1
15VV1A0427	RT32041	Microprocessors and Microcontrollers	19	46	3
15VV1A0427	RT32042	Digital Signal Processing	25	27	3
15VV1A0427	RT32043	Digital Communications	24	52	3
15VV1A0427	RT32044	Microwave Engineering	22	35	3
15VV1A0427	RT32045A	Bio Medical Engineering	25	38	3
15VV1A0427	RT32046	Microprocessors and Microcontrollers Lab	23	46	2
15VV1A0427	RT32047	Digital Communications Lab	24	46	2
15VV1A0427	RT32048	Digital Signal Processing Lab	25	44	2
15VV1A0427	RT32049	Seminar	44	0	1
15VV1A0428	RT32041	Microprocessors and Microcontrollers	15	48	3
15VV1A0428	RT32042	Digital Signal Processing	21	35	3
15VV1A0428	RT32043	Digital Communications	19	54	3
15VV1A0428	RT32044	Microwave Engineering	21	45	3
15VV1A0428	RT32045A	Bio Medical Engineering	18	43	3
15VV1A0428	RT32046	Microprocessors and Microcontrollers Lab	24	44	2
15VV1A0428	RT32047	Digital Communications Lab	24	47	2
15VV1A0428	RT32048	Digital Signal Processing Lab	24	42	2
15VV1A0428	RT32049	Seminar	44	0	1
15VV1A0429	RT32041	Microprocessors and Microcontrollers	14	36	3
15VV1A0429	RT32042	Digital Signal Processing	17	33	3
15VV1A0429	RT32043	Digital Communications	19	38	3
15VV1A0429	RT32044	Microwave Engineering	20	47	3
15VV1A0429	RT32045A	Bio Medical Engineering	21	46	3
15VV1A0429	RT32046	Microprocessors and Microcontrollers Lab	23	40	2
15VV1A0429	RT32047	Digital Communications Lab	23	44	2
15VV1A0429	RT32048	Digital Signal Processing Lab	21	37	2
15VV1A0429	RT32049	Seminar	40	0	1
15VV1A0430	RT32041	Microprocessors and Microcontrollers	17	49	3
15VV1A0430	RT32042	Digital Signal Processing	20	32	3
15VV1A0430	RT32043	Digital Communications	20	59	3
15VV1A0430	RT32044	Microwave Engineering	23	52	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0430	RT32045A	Bio Medical Engineering	24	52	3
15VV1A0430	RT32046	Microprocessors and Microcontrollers Lab	21	39	2
15VV1A0430	RT32047	Digital Communications Lab	24	47	2
15VV1A0430	RT32048	Digital Signal Processing Lab	24	42	2
15VV1A0430	RT32049	Seminar	44	0	1
15VV1A0431	RT32041	Microprocessors and Microcontrollers	20	46	3
15VV1A0431	RT32042	Digital Signal Processing	20	39	3
15VV1A0431	RT32043	Digital Communications	24	55	3
15VV1A0431	RT32044	Microwave Engineering	22	47	3
15VV1A0431	RT32045A	Bio Medical Engineering	26	35	3
15VV1A0431	RT32046	Microprocessors and Microcontrollers Lab	24	40	2
15VV1A0431	RT32047	Digital Communications Lab	24	45	2
15VV1A0431	RT32048	Digital Signal Processing Lab	25	38	2
15VV1A0431	RT32049	Seminar	40	0	1
15VV1A0432	RT32041	Microprocessors and Microcontrollers	16	35	3
15VV1A0432	RT32042	Digital Signal Processing	19	37	3
15VV1A0432	RT32043	Digital Communications	17	52	3
15VV1A0432	RT32044	Microwave Engineering	20	40	3
15VV1A0432	RT32045A	Bio Medical Engineering	23	36	3
15VV1A0432	RT32046	Microprocessors and Microcontrollers Lab	24	43	2
15VV1A0432	RT32047	Digital Communications Lab	21	42	2
15VV1A0432	RT32048	Digital Signal Processing Lab	24	43	2
15VV1A0432	RT32049	Seminar	44	0	1
15VV1A0433	RT32041	Microprocessors and Microcontrollers	19	44	3
15VV1A0433	RT32042	Digital Signal Processing	23	32	3
15VV1A0433	RT32043	Digital Communications	16	36	3
15VV1A0433	RT32044	Microwave Engineering	18	40	3
15VV1A0433	RT32045A	Bio Medical Engineering	21	47	3
15VV1A0433	RT32046	Microprocessors and Microcontrollers Lab	21	40	2
15VV1A0433	RT32047	Digital Communications Lab	21	40	2
15VV1A0433	RT32048	Digital Signal Processing Lab	25	40	2
15VV1A0433	RT32049	Seminar	44	0	1
15VV1A0434	RT32041	Microprocessors and Microcontrollers	17	40	3
15VV1A0434	RT32042	Digital Signal Processing	18	37	3
15VV1A0434	RT32043	Digital Communications	22	56	3
15VV1A0434	RT32044	Microwave Engineering	20	40	3
15VV1A0434	RT32045A	Bio Medical Engineering	23	47	3
15VV1A0434	RT32046	Microprocessors and Microcontrollers Lab	23	42	2
15VV1A0434	RT32047	Digital Communications Lab	23	44	2
15VV1A0434	RT32048	Digital Signal Processing Lab	24	43	2
15VV1A0434	RT32049	Seminar	44	0	1
15VV1A0435	RT32041	Microprocessors and Microcontrollers	14	36	3
15VV1A0435	RT32042	Digital Signal Processing	18	27	3
15VV1A0435	RT32043	Digital Communications	19	50	3
15VV1A0435	RT32044	Microwave Engineering	21	36	3
15VV1A0435	RT32045A	Bio Medical Engineering	24	28	3
15VV1A0435	RT32046	Microprocessors and Microcontrollers Lab	22	41	2
15VV1A0435	RT32047	Digital Communications Lab	25	45	2
15VV1A0435	RT32048	Digital Signal Processing Lab	25	43	2
15VV1A0435	RT32049	Seminar	45	0	1

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0436	RT32041	Microprocessors and Microcontrollers	24	49	3
15VV1A0436	RT32042	Digital Signal Processing	25	38	3
15VV1A0436	RT32043	Digital Communications	22	61	3
15VV1A0436	RT32044	Microwave Engineering	25	58	3
15VV1A0436	RT32045A	Bio Medical Engineering	28	34	3
15VV1A0436	RT32046	Microprocessors and Microcontrollers Lab	22	47	2
15VV1A0436	RT32047	Digital Communications Lab	25	46	2
15VV1A0436	RT32048	Digital Signal Processing Lab	25	46	2
15VV1A0436	RT32049	Seminar	45	0	1
15VV1A0437	RT32041	Microprocessors and Microcontrollers	21	44	3
15VV1A0437	RT32042	Digital Signal Processing	18	39	3
15VV1A0437	RT32043	Digital Communications	15	57	3
15VV1A0437	RT32044	Microwave Engineering	22	42	3
15VV1A0437	RT32045A	Bio Medical Engineering	17	38	3
15VV1A0437	RT32046	Microprocessors and Microcontrollers Lab	22	40	2
15VV1A0437	RT32047	Digital Communications Lab	22	43	2
15VV1A0437	RT32048	Digital Signal Processing Lab	25	46	2
15VV1A0437	RT32049	Seminar	44	0	1
15VV1A0438	RT32041	Microprocessors and Microcontrollers	19	44	3
15VV1A0438	RT32042	Digital Signal Processing	23	45	3
15VV1A0438	RT32043	Digital Communications	21	56	3
15VV1A0438	RT32044	Microwave Engineering	23	33	3
15VV1A0438	RT32045A	Bio Medical Engineering	22	39	3
15VV1A0438	RT32046	Microprocessors and Microcontrollers Lab	25	45	2
15VV1A0438	RT32047	Digital Communications Lab	21	45	2
15VV1A0438	RT32048	Digital Signal Processing Lab	24	43	2
15VV1A0438	RT32049	Seminar	45	0	1
15VV1A0439	RT32041	Microprocessors and Microcontrollers	20	34	3
15VV1A0439	RT32042	Digital Signal Processing	23	41	3
15VV1A0439	RT32043	Digital Communications	17	47	3
15VV1A0439	RT32044	Microwave Engineering	21	43	3
15VV1A0439	RT32045A	Bio Medical Engineering	27	44	3
15VV1A0439	RT32046	Microprocessors and Microcontrollers Lab	25	42	2
15VV1A0439	RT32047	Digital Communications Lab	23	43	2
15VV1A0439	RT32048	Digital Signal Processing Lab	23	44	2
15VV1A0439	RT32049	Seminar	42	0	1
15VV1A0441	RT32041	Microprocessors and Microcontrollers	18	39	3
15VV1A0441	RT32042	Digital Signal Processing	21	31	3
15VV1A0441	RT32043	Digital Communications	21	37	3
15VV1A0441	RT32044	Microwave Engineering	18	40	3
15VV1A0441	RT32045A	Bio Medical Engineering	18	43	3
15VV1A0441	RT32046	Microprocessors and Microcontrollers Lab	21	39	2
15VV1A0441	RT32047	Digital Communications Lab	21	42	2
15VV1A0441	RT32048	Digital Signal Processing Lab	22	41	2
15VV1A0441	RT32049	Seminar	42	0	1
15VV1A0442	RT32041	Microprocessors and Microcontrollers	19	50	3
15VV1A0442	RT32042	Digital Signal Processing	18	44	3
15VV1A0442	RT32043	Digital Communications	27	51	3
15VV1A0442	RT32044	Microwave Engineering	25	50	3
15VV1A0442	RT32045A	Bio Medical Engineering	26	50	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0442	RT32046	Microprocessors and Microcontrollers Lab	24	45	2
15VV1A0442	RT32047	Digital Communications Lab	25	48	2
15VV1A0442	RT32048	Digital Signal Processing Lab	24	44	2
15VV1A0442	RT32049	Seminar	45	0	1
15VV1A0443	RT32041	Microprocessors and Microcontrollers	14	45	3
15VV1A0443	RT32042	Digital Signal Processing	19	32	3
15VV1A0443	RT32043	Digital Communications	17	42	3
15VV1A0443	RT32044	Microwave Engineering	22	26	3
15VV1A0443	RT32045A	Bio Medical Engineering	21	48	3
15VV1A0443	RT32046	Microprocessors and Microcontrollers Lab	24	41	2
15VV1A0443	RT32047	Digital Communications Lab	23	43	2
15VV1A0443	RT32048	Digital Signal Processing Lab	25	42	2
15VV1A0443	RT32049	Seminar	45	0	1
15VV1A0444	RT32041	Microprocessors and Microcontrollers	13	48	3
15VV1A0444	RT32042	Digital Signal Processing	20	35	3
15VV1A0444	RT32043	Digital Communications	15	45	3
15VV1A0444	RT32044	Microwave Engineering	19	29	3
15VV1A0444	RT32045A	Bio Medical Engineering	20	29	3
15VV1A0444	RT32046	Microprocessors and Microcontrollers Lab	22	39	2
15VV1A0444	RT32047	Digital Communications Lab	22	43	2
15VV1A0444	RT32048	Digital Signal Processing Lab	24	44	2
15VV1A0444	RT32049	Seminar	40	0	1
15VV1A0445	RT32041	Microprocessors and Microcontrollers	21	42	3
15VV1A0445	RT32042	Digital Signal Processing	22	38	3
15VV1A0445	RT32043	Digital Communications	20	51	3
15VV1A0445	RT32044	Microwave Engineering	27	41	3
15VV1A0445	RT32045A	Bio Medical Engineering	23	40	3
15VV1A0445	RT32046	Microprocessors and Microcontrollers Lab	23	43	2
15VV1A0445	RT32047	Digital Communications Lab	23	44	2
15VV1A0445	RT32048	Digital Signal Processing Lab	24	42	2
15VV1A0445	RT32049	Seminar	40	0	1
15VV1A0446	RT32041	Microprocessors and Microcontrollers	22	45	3
15VV1A0446	RT32042	Digital Signal Processing	26	41	3
15VV1A0446	RT32043	Digital Communications	22	58	3
15VV1A0446	RT32044	Microwave Engineering	25	50	3
15VV1A0446	RT32045A	Bio Medical Engineering	25	44	3
15VV1A0446	RT32046	Microprocessors and Microcontrollers Lab	24	43	2
15VV1A0446	RT32047	Digital Communications Lab	25	47	2
15VV1A0446	RT32048	Digital Signal Processing Lab	25	45	2
15VV1A0446	RT32049	Seminar	43	0	1
15VV1A0447	RT32041	Microprocessors and Microcontrollers	15	42	3
15VV1A0447	RT32042	Digital Signal Processing	19	30	3
15VV1A0447	RT32043	Digital Communications	15	51	3
15VV1A0447	RT32044	Microwave Engineering	21	33	3
15VV1A0447	RT32045A	Bio Medical Engineering	24	24	3
15VV1A0447	RT32046	Microprocessors and Microcontrollers Lab	22	39	2
15VV1A0447	RT32047	Digital Communications Lab	23	42	2
15VV1A0447	RT32048	Digital Signal Processing Lab	22	41	2
15VV1A0447	RT32049	Seminar	40	0	1
15VV1A0501	RT32051	Software Engineering	25	54	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A0501	RT32052	Data Ware housing and Mining	18	48	3
15VV1A0501	RT32053	Computer Networks	16	39	3
15VV1A0501	RT32054	Design and Analysis of Algorithms	26	52	3
15VV1A0501	RT32055	Web Technologies	26	38	3
15VV1A0501	RT32056	IPR and Patents	29	46	2
15VV1A0501	RT32057	Computer Networks and Network Programming L	22	43	2
15VV1A0501	RT32058	Software Engineering Lab	24	46	2
15VV1A0501	RT32059	Web Technologies Lab	22	45	2
15VV1A0502	RT32051	Software Engineering	28	58	3
15VV1A0502	RT32052	Data Ware housing and Mining	24	49	3
15VV1A0502	RT32053	Computer Networks	24	57	3
15VV1A0502	RT32054	Design and Analysis of Algorithms	29	64	3
15VV1A0502	RT32055	Web Technologies	29	58	3
15VV1A0502	RT32056	IPR and Patents	29	51	2
15VV1A0502	RT32057	Computer Networks and Network Programming L	25	47	2
15VV1A0502	RT32058	Software Engineering Lab	25	49	2
15VV1A0502	RT32059	Web Technologies Lab	24	49	2
15VV1A0503	RT32051	Software Engineering	17	56	3
15VV1A0503	RT32052	Data Ware housing and Mining	13	37	3
15VV1A0503	RT32053	Computer Networks	13	49	3
15VV1A0503	RT32054	Design and Analysis of Algorithms	24	43	3
15VV1A0503	RT32055	Web Technologies	24	52	3
15VV1A0503	RT32056	IPR and Patents	18	50	2
15VV1A0503	RT32057	Computer Networks and Network Programming L	24	41	2
15VV1A0503	RT32058	Software Engineering Lab	23	40	2
15VV1A0503	RT32059	Web Technologies Lab	22	44	2
15VV1A0504	RT32051	Software Engineering	22	52	3
15VV1A0504	RT32052	Data Ware housing and Mining	18	34	3
15VV1A0504	RT32053	Computer Networks	18	47	3
15VV1A0504	RT32054	Design and Analysis of Algorithms	25	40	3
15VV1A0504	RT32055	Web Technologies	24	44	3
15VV1A0504	RT32056	IPR and Patents	22	44	2
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15VV1A0504	RT32058	Software Engineering Lab	23	45	2
15VV1A0504	RT32059	Web Technologies Lab	23	48	2
15VV1A0505	RT32051	Software Engineering	24	59	3
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15VV1A0505	RT32053	Computer Networks	16	49	3
15VV1A0505	RT32054	Design and Analysis of Algorithms	24	50	3
15VV1A0505	RT32055	Web Technologies	25	45	3
15VV1A0505	RT32056	IPR and Patents	21	43	2
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15VV1A0505	RT32058	Software Engineering Lab	24	43	2
15VV1A0505	RT32059	Web Technologies Lab	24	45	2
15VV1A0506	RT32051	Software Engineering	21	58	3
15VV1A0506	RT32052	Data Ware housing and Mining	12	34	3
15VV1A0506	RT32053	Computer Networks	17	48	3
15VV1A0506	RT32054	Design and Analysis of Algorithms	27	55	3
15VV1A0506	RT32055	Web Technologies	20	48	3
15VV1A0506	RT32056	IPR and Patents	21	46	2

Htno	Subcode	Subname	Internal	External	Credits
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15VV1A0506	RT32058	Software Engineering Lab	23	40	2
15VV1A0506	RT32059	Web Technologies Lab	24	48	2
15VV1A0507	RT32051	Software Engineering	20	49	3
15VV1A0507	RT32052	Data Ware housing and Mining	18	25	3
15VV1A0507	RT32053	Computer Networks	19	29	3
15VV1A0507	RT32054	Design and Analysis of Algorithms	22	29	3
15VV1A0507	RT32055	Web Technologies	26	32	3
15VV1A0507	RT32056	IPR and Patents	27	45	2
15VV1A0507	RT32057	Computer Networks and Network Programming L	23	39	2
15VV1A0507	RT32058	Software Engineering Lab	22	40	2
15VV1A0507	RT32059	Web Technologies Lab	22	44	2
15VV1A0508	RT32051	Software Engineering	23	55	3
15VV1A0508	RT32052	Data Ware housing and Mining	16	28	3
15VV1A0508	RT32053	Computer Networks	18	52	3
15VV1A0508	RT32054	Design and Analysis of Algorithms	25	49	3
15VV1A0508	RT32055	Web Technologies	23	52	3
15VV1A0508	RT32056	IPR and Patents	25	46	2
15VV1A0508	RT32057	Computer Networks and Network Programming L	23	42	2
15VV1A0508	RT32058	Software Engineering Lab	23	43	2
15VV1A0508	RT32059	Web Technologies Lab	24	48	2
15VV1A0509	RT32051	Software Engineering	24	59	3
15VV1A0509	RT32052	Data Ware housing and Mining	16	39	3
15VV1A0509	RT32053	Computer Networks	15	45	3
15VV1A0509	RT32054	Design and Analysis of Algorithms	22	44	3
15VV1A0509	RT32055	Web Technologies	24	51	3
15VV1A0509	RT32056	IPR and Patents	22	50	2
15VV1A0509	RT32057	Computer Networks and Network Programming L	24	43	2
15VV1A0509	RT32058	Software Engineering Lab	24	44	2
15VV1A0509	RT32059	Web Technologies Lab	21	45	2
15VV1A0510	RT32051	Software Engineering	24	58	3
15VV1A0510	RT32052	Data Ware housing and Mining	22	44	3
15VV1A0510	RT32053	Computer Networks	22	58	3
15VV1A0510	RT32054	Design and Analysis of Algorithms	28	56	3
15VV1A0510	RT32055	Web Technologies	27	49	3
15VV1A0510	RT32056	IPR and Patents	25	48	2
15VV1A0510	RT32057	Computer Networks and Network Programming L	24	42	2
15VV1A0510	RT32058	Software Engineering Lab	24	44	2
15VV1A0510	RT32059	Web Technologies Lab	22	49	2
15VV1A0511	RT32051	Software Engineering	23	61	3
15VV1A0511	RT32052	Data Ware housing and Mining	18	33	3
15VV1A0511	RT32053	Computer Networks	18	46	3
15VV1A0511	RT32054	Design and Analysis of Algorithms	26	55	3
15VV1A0511	RT32055	Web Technologies	28	53	3
15VV1A0511	RT32056	IPR and Patents	28	42	2
15VV1A0511	RT32057	Computer Networks and Network Programming L	22	39	2
15VV1A0511	RT32058	Software Engineering Lab	24	45	2
15VV1A0511	RT32059	Web Technologies Lab	20	45	2
15VV1A0512	RT32051	Software Engineering	27	60	3
15VV1A0512	RT32052	Data Ware housing and Mining	21	40	3

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15VV1A0512	RT32054	Design and Analysis of Algorithms	28	57	3
15VV1A0512	RT32055	Web Technologies	28	51	3
15VV1A0512	RT32056	IPR and Patents	26	42	2
15VV1A0512	RT32057	Computer Networks and Network Programming L	25	45	2
15VV1A0512	RT32058	Software Engineering Lab	25	48	2
15VV1A0512	RT32059	Web Technologies Lab	22	46	2
15VV1A0513	RT32051	Software Engineering	27	48	3
15VV1A0513	RT32052	Data Ware housing and Mining	22	25	3
15VV1A0513	RT32053	Computer Networks	18	31	3
15VV1A0513	RT32054	Design and Analysis of Algorithms	26	47	3
15VV1A0513	RT32055	Web Technologies	26	41	3
15VV1A0513	RT32056	IPR and Patents	25	46	2
15VV1A0513	RT32057	Computer Networks and Network Programming L	22	38	2
15VV1A0513	RT32058	Software Engineering Lab	24	45	2
15VV1A0513	RT32059	Web Technologies Lab	22	43	2
15VV1A0514	RT32051	Software Engineering	18	49	3
15VV1A0514	RT32052	Data Ware housing and Mining	15	10	0
15VV1A0514	RT32053	Computer Networks	17	39	3
15VV1A0514	RT32054	Design and Analysis of Algorithms	24	34	3
15VV1A0514	RT32055	Web Technologies	26	39	3
15VV1A0514	RT32056	IPR and Patents	25	39	2
15VV1A0514	RT32057	Computer Networks and Network Programming L	23	30	2
15VV1A0514	RT32058	Software Engineering Lab	21	40	2
15VV1A0514	RT32059	Web Technologies Lab	23	34	2
15VV1A0515	RT32051	Software Engineering	21	57	3
15VV1A0515	RT32052	Data Ware housing and Mining	15	49	3
15VV1A0515	RT32053	Computer Networks	19	48	3
15VV1A0515	RT32054	Design and Analysis of Algorithms	20	49	3
15VV1A0515	RT32055	Web Technologies	25	60	3
15VV1A0515	RT32056	IPR and Patents	18	47	2
15VV1A0515	RT32057	Computer Networks and Network Programming L	23	42	2
15VV1A0515	RT32058	Software Engineering Lab	24	45	2
15VV1A0515	RT32059	Web Technologies Lab	23	45	2
15VV1A0516	RT32051	Software Engineering	27	58	3
15VV1A0516	RT32052	Data Ware housing and Mining	23	26	3
15VV1A0516	RT32053	Computer Networks	19	59	3
15VV1A0516	RT32054	Design and Analysis of Algorithms	28	61	3
15VV1A0516	RT32055	Web Technologies	24	51	3
15VV1A0516	RT32056	IPR and Patents	22	51	2
15VV1A0516	RT32057	Computer Networks and Network Programming L	25	47	2
15VV1A0516	RT32058	Software Engineering Lab	24	48	2
15VV1A0516	RT32059	Web Technologies Lab	21	48	2
15VV1A0517	RT32051	Software Engineering	28	62	3
15VV1A0517	RT32052	Data Ware housing and Mining	25	57	3
15VV1A0517	RT32053	Computer Networks	24	54	3
15VV1A0517	RT32054	Design and Analysis of Algorithms	28	64	3
15VV1A0517	RT32055	Web Technologies	29	67	3
15VV1A0517	RT32056	IPR and Patents	27	50	2
15VV1A0517	RT32057	Computer Networks and Network Programming L	25	47	2

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15VV1A0517	RT32059	Web Technologies Lab	24	49	2
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15VV1A0518	RT32052	Data Ware housing and Mining	19	41	3
15VV1A0518	RT32053	Computer Networks	18	46	3
15VV1A0518	RT32054	Design and Analysis of Algorithms	25	48	3
15VV1A0518	RT32055	Web Technologies	25	43	3
15VV1A0518	RT32056	IPR and Patents	22	47	2
15VV1A0518	RT32057	Computer Networks and Network Programming L	23	36	2
15VV1A0518	RT32058	Software Engineering Lab	23	45	2
15VV1A0518	RT32059	Web Technologies Lab	23	47	2
15VV1A0520	RT32051	Software Engineering	21	55	3
15VV1A0520	RT32052	Data Ware housing and Mining	17	24	3
15VV1A0520	RT32053	Computer Networks	19	36	3
15VV1A0520	RT32054	Design and Analysis of Algorithms	19	43	3
15VV1A0520	RT32055	Web Technologies	26	47	3
15VV1A0520	RT32056	IPR and Patents	25	47	2
15VV1A0520	RT32057	Computer Networks and Network Programming L	23	41	2
15VV1A0520	RT32058	Software Engineering Lab	21	43	2
15VV1A0520	RT32059	Web Technologies Lab	19	43	2
15VV1A0521	RT32051	Software Engineering	25	55	3
15VV1A0521	RT32052	Data Ware housing and Mining	16	36	3
15VV1A0521	RT32053	Computer Networks	23	48	3
15VV1A0521	RT32054	Design and Analysis of Algorithms	22	49	3
15VV1A0521	RT32055	Web Technologies	25	52	3
15VV1A0521	RT32056	IPR and Patents	26	49	2
15VV1A0521	RT32057	Computer Networks and Network Programming L	23	40	2
15VV1A0521	RT32058	Software Engineering Lab	23	46	2
15VV1A0521	RT32059	Web Technologies Lab	23	48	2
15VV1A0523	RT32051	Software Engineering	25	54	3
15VV1A0523	RT32052	Data Ware housing and Mining	20	46	3
15VV1A0523	RT32053	Computer Networks	20	51	3
15VV1A0523	RT32054	Design and Analysis of Algorithms	26	57	3
15VV1A0523	RT32055	Web Technologies	19	56	3
15VV1A0523	RT32056	IPR and Patents	24	53	2
15VV1A0523	RT32057	Computer Networks and Network Programming L	23	41	2
15VV1A0523	RT32058	Software Engineering Lab	23	46	2
15VV1A0523	RT32059	Web Technologies Lab	23	49	2
15VV1A0524	RT32051	Software Engineering	25	61	3
15VV1A0524	RT32052	Data Ware housing and Mining	20	30	3
15VV1A0524	RT32053	Computer Networks	25	59	3
15VV1A0524	RT32054	Design and Analysis of Algorithms	30	55	3
15VV1A0524	RT32055	Web Technologies	24	60	3
15VV1A0524	RT32056	IPR and Patents	24	48	2
15VV1A0524	RT32057	Computer Networks and Network Programming L	23	48	2
15VV1A0524	RT32058	Software Engineering Lab	22	45	2
15VV1A0524	RT32059	Web Technologies Lab	24	48	2
15VV1A0525	RT32051	Software Engineering	25	56	3
15VV1A0525	RT32052	Data Ware housing and Mining	21	48	3
15VV1A0525	RT32053	Computer Networks	23	51	3

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15VV1A0525	RT32055	Web Technologies	25	59	3
15VV1A0525	RT32056	IPR and Patents	28	52	2
15VV1A0525	RT32057	Computer Networks and Network Programming L	23	46	2
15VV1A0525	RT32058	Software Engineering Lab	23	45	2
15VV1A0525	RT32059	Web Technologies Lab	24	47	2
15VV1A0526	RT32051	Software Engineering	20	46	3
15VV1A0526	RT32052	Data Ware housing and Mining	17	31	3
15VV1A0526	RT32053	Computer Networks	17	30	3
15VV1A0526	RT32054	Design and Analysis of Algorithms	24	36	3
15VV1A0526	RT32055	Web Technologies	24	46	3
15VV1A0526	RT32056	IPR and Patents	20	42	2
15VV1A0526	RT32057	Computer Networks and Network Programming L	22	34	2
15VV1A0526	RT32058	Software Engineering Lab	23	43	2
15VV1A0526	RT32059	Web Technologies Lab	21	46	2
15VV1A0527	RT32051	Software Engineering	20	41	3
15VV1A0527	RT32052	Data Ware housing and Mining	14	39	3
15VV1A0527	RT32053	Computer Networks	20	24	3
15VV1A0527	RT32054	Design and Analysis of Algorithms	21	44	3
15VV1A0527	RT32055	Web Technologies	26	44	3
15VV1A0527	RT32056	IPR and Patents	24	47	2
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15VV1A0527	RT32058	Software Engineering Lab	23	42	2
15VV1A0527	RT32059	Web Technologies Lab	21	46	2
15VV1A0528	RT32051	Software Engineering	29	55	3
15VV1A0528	RT32052	Data Ware housing and Mining	24	39	3
15VV1A0528	RT32053	Computer Networks	22	59	3
15VV1A0528	RT32054	Design and Analysis of Algorithms	29	63	3
15VV1A0528	RT32055	Web Technologies	27	51	3
15VV1A0528	RT32056	IPR and Patents	24	45	2
15VV1A0528	RT32057	Computer Networks and Network Programming L	25	47	2
15VV1A0528	RT32058	Software Engineering Lab	25	48	2
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15VV1A0529	RT32051	Software Engineering	28	47	3
15VV1A0529	RT32052	Data Ware housing and Mining	21	58	3
15VV1A0529	RT32053	Computer Networks	18	57	3
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15VV1A0529	RT32055	Web Technologies	28	53	3
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15VV1A0530	RT32051	Software Engineering	20	48	3
15VV1A0530	RT32052	Data Ware housing and Mining	16	28	3
15VV1A0530	RT32053	Computer Networks	16	31	3
15VV1A0530	RT32054	Design and Analysis of Algorithms	20	46	3
15VV1A0530	RT32055	Web Technologies	22	31	3
15VV1A0530	RT32056	IPR and Patents	24	40	2
15VV1A0530	RT32057	Computer Networks and Network Programming L	24	31	2
15VV1A0530	RT32058	Software Engineering Lab	23	46	2

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15VV1A0531	RT32051	Software Engineering	28	62	3
15VV1A0531	RT32052	Data Ware housing and Mining	22	57	3
15VV1A0531	RT32053	Computer Networks	22	56	3
15VV1A0531	RT32054	Design and Analysis of Algorithms	28	58	3
15VV1A0531	RT32055	Web Technologies	29	65	3
15VV1A0531	RT32056	IPR and Patents	24	50	2
15VV1A0531	RT32057	Computer Networks and Network Programming L	25	46	2
15VV1A0531	RT32058	Software Engineering Lab	25	48	2
15VV1A0531	RT32059	Web Technologies Lab	24	47	2
15VV1A0532	RT32051	Software Engineering	24	54	3
15VV1A0532	RT32052	Data Ware housing and Mining	15	32	3
15VV1A0532	RT32053	Computer Networks	14	38	3
15VV1A0532	RT32054	Design and Analysis of Algorithms	25	38	3
15VV1A0532	RT32055	Web Technologies	27	38	3
15VV1A0532	RT32056	IPR and Patents	25	39	2
15VV1A0532	RT32057	Computer Networks and Network Programming L	21	39	2
15VV1A0532	RT32058	Software Engineering Lab	23	44	2
15VV1A0532	RT32059	Web Technologies Lab	23	46	2
15VV1A0533	RT32051	Software Engineering	22	55	3
15VV1A0533	RT32052	Data Ware housing and Mining	16	33	3
15VV1A0533	RT32053	Computer Networks	16	34	3
15VV1A0533	RT32054	Design and Analysis of Algorithms	25	52	3
15VV1A0533	RT32055	Web Technologies	25	58	3
15VV1A0533	RT32056	IPR and Patents	24	47	2
15VV1A0533	RT32057	Computer Networks and Network Programming L	23	39	2
15VV1A0533	RT32058	Software Engineering Lab	23	43	2
15VV1A0533	RT32059	Web Technologies Lab	22	44	2
15VV1A0534	RT32051	Software Engineering	22	42	3
15VV1A0534	RT32052	Data Ware housing and Mining	17	41	3
15VV1A0534	RT32053	Computer Networks	22	30	3
15VV1A0534	RT32054	Design and Analysis of Algorithms	27	48	3
15VV1A0534	RT32055	Web Technologies	24	35	3
15VV1A0534	RT32056	IPR and Patents	22	37	2
15VV1A0534	RT32057	Computer Networks and Network Programming L	23	41	2
15VV1A0534	RT32058	Software Engineering Lab	23	43	2
15VV1A0534	RT32059	Web Technologies Lab	23	46	2
15VV1A0535	RT32051	Software Engineering	25	56	3
15VV1A0535	RT32052	Data Ware housing and Mining	19	45	3
15VV1A0535	RT32053	Computer Networks	19	39	3
15VV1A0535	RT32054	Design and Analysis of Algorithms	25	51	3
15VV1A0535	RT32055	Web Technologies	22	47	3
15VV1A0535	RT32056	IPR and Patents	21	49	2
15VV1A0535	RT32057	Computer Networks and Network Programming L	23	41	2
15VV1A0535	RT32058	Software Engineering Lab	24	46	2
15VV1A0535	RT32059	Web Technologies Lab	23	47	2
15VV1A0536	RT32051	Software Engineering	27	58	3
15VV1A0536	RT32052	Data Ware housing and Mining	19	53	3
15VV1A0536	RT32053	Computer Networks	19	51	3
15VV1A0536	RT32054	Design and Analysis of Algorithms	23	59	3

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15VV1A0536	RT32056	IPR and Patents	22	44	2
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15VV1A0536	RT32058	Software Engineering Lab	24	46	2
15VV1A0536	RT32059	Web Technologies Lab	24	46	2
15VV1A0537	RT32051	Software Engineering	27	56	3
15VV1A0537	RT32052	Data Ware housing and Mining	21	42	3
15VV1A0537	RT32053	Computer Networks	22	38	3
15VV1A0537	RT32054	Design and Analysis of Algorithms	26	57	3
15VV1A0537	RT32055	Web Technologies	26	58	3
15VV1A0537	RT32056	IPR and Patents	22	47	2
15VV1A0537	RT32057	Computer Networks and Network Programming L	25	45	2
15VV1A0537	RT32058	Software Engineering Lab	23	44	2
15VV1A0537	RT32059	Web Technologies Lab	23	47	2
15VV1A0539	RT32051	Software Engineering	25	60	3
15VV1A0539	RT32052	Data Ware housing and Mining	16	51	3
15VV1A0539	RT32053	Computer Networks	17	41	3
15VV1A0539	RT32054	Design and Analysis of Algorithms	24	60	3
15VV1A0539	RT32055	Web Technologies	23	49	3
15VV1A0539	RT32056	IPR and Patents	23	40	2
15VV1A0539	RT32057	Computer Networks and Network Programming L	23	41	2
15VV1A0539	RT32058	Software Engineering Lab	22	40	2
15VV1A0539	RT32059	Web Technologies Lab	21	48	2
15VV1A0540	RT32051	Software Engineering	23	48	3
15VV1A0540	RT32052	Data Ware housing and Mining	18	40	3
15VV1A0540	RT32053	Computer Networks	16	35	3
15VV1A0540	RT32054	Design and Analysis of Algorithms	21	55	3
15VV1A0540	RT32055	Web Technologies	27	43	3
15VV1A0540	RT32056	IPR and Patents	22	47	2
15VV1A0540	RT32057	Computer Networks and Network Programming L	23	43	2
15VV1A0540	RT32058	Software Engineering Lab	22	42	2
15VV1A0540	RT32059	Web Technologies Lab	22	46	2
15VV1A0541	RT32051	Software Engineering	14	38	3
15VV1A0541	RT32052	Data Ware housing and Mining	19	31	3
15VV1A0541	RT32053	Computer Networks	16	14	0
15VV1A0541	RT32054	Design and Analysis of Algorithms	13	39	3
15VV1A0541	RT32055	Web Technologies	25	42	3
15VV1A0541	RT32056	IPR and Patents	21	40	2
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15VV1A0541	RT32058	Software Engineering Lab	22	15	0
15VV1A0541	RT32059	Web Technologies Lab	20	43	2
15VV1A0542	RT32051	Software Engineering	20	45	3
15VV1A0542	RT32052	Data Ware housing and Mining	13	43	3
15VV1A0542	RT32053	Computer Networks	15	31	3
15VV1A0542	RT32054	Design and Analysis of Algorithms	19	53	3
15VV1A0542	RT32055	Web Technologies	23	44	3
15VV1A0542	RT32056	IPR and Patents	24	43	2
15VV1A0542	RT32057	Computer Networks and Network Programming L	23	39	2
15VV1A0542	RT32058	Software Engineering Lab	22	41	2
15VV1A0542	RT32059	Web Technologies Lab	22	42	2

Htno	Subcode	Subname	Internal	External	Credits
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15VV1A0543	RT32052	Data Ware housing and Mining	27	64	3
15VV1A0543	RT32053	Computer Networks	24	59	3
15VV1A0543	RT32054	Design and Analysis of Algorithms	27	61	3
15VV1A0543	RT32055	Web Technologies	26	70	3
15VV1A0543	RT32056	IPR and Patents	24	46	2
15VV1A0543	RT32057	Computer Networks and Network Programming L	24	49	2
15VV1A0543	RT32058	Software Engineering Lab	23	44	2
15VV1A0543	RT32059	Web Technologies Lab	24	49	2
15VV1A0544	RT32051	Software Engineering	17	53	3
15VV1A0544	RT32052	Data Ware housing and Mining	6	42	3
15VV1A0544	RT32053	Computer Networks	7	13	0
15VV1A0544	RT32054	Design and Analysis of Algorithms	13	19	0
15VV1A0544	RT32055	Web Technologies	12	45	3
15VV1A0544	RT32056	IPR and Patents	18	43	2
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15VV1A0544	RT32058	Software Engineering Lab	21	15	0
15VV1A0544	RT32059	Web Technologies Lab	21	41	2
15VV1A0545	RT32051	Software Engineering	22	55	3
15VV1A0545	RT32052	Data Ware housing and Mining	15	35	3
15VV1A0545	RT32053	Computer Networks	22	62	3
15VV1A0545	RT32054	Design and Analysis of Algorithms	24	55	3
15VV1A0545	RT32055	Web Technologies	27	57	3
15VV1A0545	RT32056	IPR and Patents	23	40	2
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15VV1A0545	RT32059	Web Technologies Lab	23	48	2
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15VV1A0546	RT32053	Computer Networks	14	37	3
15VV1A0546	RT32054	Design and Analysis of Algorithms	22	52	3
15VV1A0546	RT32055	Web Technologies	26	49	3
15VV1A0546	RT32056	IPR and Patents	25	48	2
15VV1A0546	RT32057	Computer Networks and Network Programming L	23	39	2
15VV1A0546	RT32058	Software Engineering Lab	23	44	2
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15VV1A0547	RT32051	Software Engineering	23	50	3
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15VV1A0547	RT32053	Computer Networks	17	39	3
15VV1A0547	RT32054	Design and Analysis of Algorithms	24	49	3
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15VV1A0547	RT32058	Software Engineering Lab	23	46	2
15VV1A0547	RT32059	Web Technologies Lab	23	48	2
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15VV1A0548	RT32053	Computer Networks	22	53	3
15VV1A0548	RT32054	Design and Analysis of Algorithms	27	52	3
15VV1A0548	RT32055	Web Technologies	25	53	3

Htno	Subcode	Subname	Internal	External	Credits
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15VV1A0548	RT32058	Software Engineering Lab	24	48	2
15VV1A0548	RT32059	Web Technologies Lab	22	47	2
15VV1A0550	RT32051	Software Engineering	23	53	3
15VV1A0550	RT32052	Data Ware housing and Mining	23	32	3
15VV1A0550	RT32053	Computer Networks	18	49	3
15VV1A0550	RT32054	Design and Analysis of Algorithms	24	53	3
15VV1A0550	RT32055	Web Technologies	25	50	3
15VV1A0550	RT32056	IPR and Patents	22	45	2
15VV1A0550	RT32057	Computer Networks and Network Programming L	23	43	2
15VV1A0550	RT32058	Software Engineering Lab	23	43	2
15VV1A0550	RT32059	Web Technologies Lab	23	48	2
15VV1A0552	RT32051	Software Engineering	24	50	3
15VV1A0552	RT32052	Data Ware housing and Mining	13	35	3
15VV1A0552	RT32053	Computer Networks	18	54	3
15VV1A0552	RT32054	Design and Analysis of Algorithms	26	53	3
15VV1A0552	RT32055	Web Technologies	28	31	3
15VV1A0552	RT32056	IPR and Patents	25	44	2
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15VV1A0552	RT32058	Software Engineering Lab	24	45	2
15VV1A0552	RT32059	Web Technologies Lab	24	45	2
15VV1A0553	RT32051	Software Engineering	17	54	3
15VV1A0553	RT32052	Data Ware housing and Mining	17	26	3
15VV1A0553	RT32053	Computer Networks	12	2	0
15VV1A0553	RT32054	Design and Analysis of Algorithms	16	15	0
15VV1A0553	RT32055	Web Technologies	24	8	0
15VV1A0553	RT32056	IPR and Patents	24	41	2
15VV1A0553	RT32057	Computer Networks and Network Programming L	23	36	2
15VV1A0553	RT32058	Software Engineering Lab	21	40	2
15VV1A0553	RT32059	Web Technologies Lab	17	39	2
15VV1A1202	RT32052	Data Ware housing and Mining	24	46	3
15VV1A1202	RT32053	Computer Networks	21	46	3
15VV1A1202	RT32054	Design and Analysis of Algorithms	22	51	3
15VV1A1202	RT32055	Web Technologies	27	30	3
15VV1A1202	RT32056	IPR and Patents	22	37	2
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15VV1A1202	RT32127	Computer Networks and Network Programming L	20	44	2
15VV1A1202	RT32128	Software Testing Lab	22	44	2
15VV1A1202	RT32129	Web Technologies Lab	19	40	2
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15VV1A1203	RT32053	Computer Networks	21	49	3
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15VV1A1203	RT32055	Web Technologies	25	35	3
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15VV1A1203	RT32128	Software Testing Lab	22	43	2
15VV1A1203	RT32129	Web Technologies Lab	18	38	2
15VV1A1205	RT32052	Data Ware housing and Mining	26	52	3

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15VV1A1205	RT32054	Design and Analysis of Algorithms	23	54	3
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15VV1A1205	RT32056	IPR and Patents	24	44	2
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15VV1A1205	RT32128	Software Testing Lab	21	43	2
15VV1A1205	RT32129	Web Technologies Lab	17	38	2
15VV1A1206	RT32052	Data Ware housing and Mining	20	40	3
15VV1A1206	RT32053	Computer Networks	23	44	3
15VV1A1206	RT32054	Design and Analysis of Algorithms	23	47	3
15VV1A1206	RT32055	Web Technologies	20	30	3
15VV1A1206	RT32056	IPR and Patents	22	42	2
15VV1A1206	RT32121	Software Testing	23	36	3
15VV1A1206	RT32127	Computer Networks and Network Programming L	21	44	2
15VV1A1206	RT32128	Software Testing Lab	20	40	2
15VV1A1206	RT32129	Web Technologies Lab	17	40	2
15VV1A1207	RT32052	Data Ware housing and Mining	22	38	3
15VV1A1207	RT32053	Computer Networks	23	38	3
15VV1A1207	RT32054	Design and Analysis of Algorithms	24	37	3
15VV1A1207	RT32055	Web Technologies	26	36	3
15VV1A1207	RT32056	IPR and Patents	20	35	2
15VV1A1207	RT32121	Software Testing	21	41	3
15VV1A1207	RT32127	Computer Networks and Network Programming L	21	43	2
15VV1A1207	RT32128	Software Testing Lab	22	44	2
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15VV1A1208	RT32052	Data Ware housing and Mining	24	42	3
15VV1A1208	RT32053	Computer Networks	24	28	3
15VV1A1208	RT32054	Design and Analysis of Algorithms	23	42	3
15VV1A1208	RT32055	Web Technologies	21	33	3
15VV1A1208	RT32056	IPR and Patents	22	44	2
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15VV1A1208	RT32128	Software Testing Lab	21	41	2
15VV1A1208	RT32129	Web Technologies Lab	18	39	2
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15VV1A1209	RT32053	Computer Networks	23	47	3
15VV1A1209	RT32054	Design and Analysis of Algorithms	24	54	3
15VV1A1209	RT32055	Web Technologies	27	46	3
15VV1A1209	RT32056	IPR and Patents	23	44	2
15VV1A1209	RT32121	Software Testing	25	54	3
15VV1A1209	RT32127	Computer Networks and Network Programming L	23	47	2
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15VV1A1209	RT32129	Web Technologies Lab	21	44	2
15VV1A1210	RT32052	Data Ware housing and Mining	26	45	3
15VV1A1210	RT32053	Computer Networks	24	42	3
15VV1A1210	RT32054	Design and Analysis of Algorithms	23	44	3
15VV1A1210	RT32055	Web Technologies	26	34	3
15VV1A1210	RT32056	IPR and Patents	22	37	2
15VV1A1210	RT32121	Software Testing	23	37	3

Htno	Subcode	Subname	Internal	External	Credits
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15VV1A1210	RT32128	Software Testing Lab	20	41	2
15VV1A1210	RT32129	Web Technologies Lab	21	41	2
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15VV1A1211	RT32053	Computer Networks	28	45	3
15VV1A1211	RT32054	Design and Analysis of Algorithms	26	58	3
15VV1A1211	RT32055	Web Technologies	26	40	3
15VV1A1211	RT32056	IPR and Patents	23	45	2
15VV1A1211	RT32121	Software Testing	26	47	3
15VV1A1211	RT32127	Computer Networks and Network Programming L	25	50	2
15VV1A1211	RT32128	Software Testing Lab	25	50	2
15VV1A1211	RT32129	Web Technologies Lab	20	42	2
15VV1A1212	RT32052	Data Ware housing and Mining	25	43	3
15VV1A1212	RT32053	Computer Networks	25	49	3
15VV1A1212	RT32054	Design and Analysis of Algorithms	25	52	3
15VV1A1212	RT32055	Web Technologies	26	44	3
15VV1A1212	RT32056	IPR and Patents	23	48	2
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15VV1A1212	RT32127	Computer Networks and Network Programming L	23	46	2
15VV1A1212	RT32128	Software Testing Lab	22	43	2
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15VV1A1213	RT32054	Design and Analysis of Algorithms	21	38	3
15VV1A1213	RT32055	Web Technologies	22	16	0
15VV1A1213	RT32056	IPR and Patents	20	36	2
15VV1A1213	RT32121	Software Testing	25	29	3
15VV1A1213	RT32127	Computer Networks and Network Programming L	21	44	2
15VV1A1213	RT32128	Software Testing Lab	22	42	2
15VV1A1213	RT32129	Web Technologies Lab	18	38	2
15VV1A1214	RT32052	Data Ware housing and Mining	26	48	3
15VV1A1214	RT32053	Computer Networks	24	47	3
15VV1A1214	RT32054	Design and Analysis of Algorithms	24	44	3
15VV1A1214	RT32055	Web Technologies	28	38	3
15VV1A1214	RT32056	IPR and Patents	23	46	2
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15VV1A1214	RT32127	Computer Networks and Network Programming L	22	46	2
15VV1A1214	RT32128	Software Testing Lab	20	39	2
15VV1A1214	RT32129	Web Technologies Lab	20	41	2
15VV1A1215	RT32052	Data Ware housing and Mining	28	50	3
15VV1A1215	RT32053	Computer Networks	24	49	3
15VV1A1215	RT32054	Design and Analysis of Algorithms	24	58	3
15VV1A1215	RT32055	Web Technologies	23	38	3
15VV1A1215	RT32056	IPR and Patents	21	43	2
15VV1A1215	RT32121	Software Testing	19	56	3
15VV1A1215	RT32127	Computer Networks and Network Programming L	22	45	2
15VV1A1215	RT32128	Software Testing Lab	20	40	2
15VV1A1215	RT32129	Web Technologies Lab	17	40	2
15VV1A1216	RT32052	Data Ware housing and Mining	20	34	3
15VV1A1216	RT32053	Computer Networks	18	10	0

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15VV1A1216	RT32055	Web Technologies	17	-1	0
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15VV1A1216	RT32121	Software Testing	18	40	3
15VV1A1216	RT32127	Computer Networks and Network Programming L	20	42	2
15VV1A1216	RT32128	Software Testing Lab	15	34	2
15VV1A1216	RT32129	Web Technologies Lab	15	37	2
15VV1A1217	RT32052	Data Ware housing and Mining	20	26	3
15VV1A1217	RT32053	Computer Networks	22	26	3
15VV1A1217	RT32054	Design and Analysis of Algorithms	21	39	3
15VV1A1217	RT32055	Web Technologies	22	28	3
15VV1A1217	RT32056	IPR and Patents	22	43	2
15VV1A1217	RT32121	Software Testing	22	31	3
15VV1A1217	RT32127	Computer Networks and Network Programming L	21	43	2
15VV1A1217	RT32128	Software Testing Lab	20	39	2
15VV1A1217	RT32129	Web Technologies Lab	16	39	2
15VV1A1219	RT32052	Data Ware housing and Mining	26	52	3
15VV1A1219	RT32053	Computer Networks	22	46	3
15VV1A1219	RT32054	Design and Analysis of Algorithms	21	51	3
15VV1A1219	RT32055	Web Technologies	28	35	3
15VV1A1219	RT32056	IPR and Patents	24	43	2
15VV1A1219	RT32121	Software Testing	26	46	3
15VV1A1219	RT32127	Computer Networks and Network Programming L	22	46	2
15VV1A1219	RT32128	Software Testing Lab	22	41	2
15VV1A1219	RT32129	Web Technologies Lab	18	42	2
15VV1A1220	RT32052	Data Ware housing and Mining	26	46	3
15VV1A1220	RT32053	Computer Networks	23	47	3
15VV1A1220	RT32054	Design and Analysis of Algorithms	24	54	3
15VV1A1220	RT32055	Web Technologies	25	40	3
15VV1A1220	RT32056	IPR and Patents	21	47	2
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15VV1A1220	RT32127	Computer Networks and Network Programming L	22	45	2
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15VV1A1220	RT32129	Web Technologies Lab	18	39	2
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15VV1A1221	RT32053	Computer Networks	27	51	3
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15VV1A1221	RT32127	Computer Networks and Network Programming L	25	50	2
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15VV1A1222	RT32053	Computer Networks	25	47	3
15VV1A1222	RT32054	Design and Analysis of Algorithms	23	34	3
15VV1A1222	RT32055	Web Technologies	24	38	3
15VV1A1222	RT32056	IPR and Patents	23	41	2
15VV1A1222	RT32121	Software Testing	19	37	3
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15VV1A1223	RT32053	Computer Networks	26	45	3
15VV1A1223	RT32054	Design and Analysis of Algorithms	22	48	3
15VV1A1223	RT32055	Web Technologies	26	36	3
15VV1A1223	RT32056	IPR and Patents	26	49	2
15VV1A1223	RT32121	Software Testing	24	44	3
15VV1A1223	RT32127	Computer Networks and Network Programming L	24	48	2
15VV1A1223	RT32128	Software Testing Lab	24	48	2
15VV1A1223	RT32129	Web Technologies Lab	18	42	2
15VV1A1224	RT32052	Data Ware housing and Mining	27	47	3
15VV1A1224	RT32053	Computer Networks	24	48	3
15VV1A1224	RT32054	Design and Analysis of Algorithms	23	52	3
15VV1A1224	RT32055	Web Technologies	25	38	3
15VV1A1224	RT32056	IPR and Patents	24	47	2
15VV1A1224	RT32121	Software Testing	26	46	3
15VV1A1224	RT32127	Computer Networks and Network Programming L	22	48	2
15VV1A1224	RT32128	Software Testing Lab	22	44	2
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15VV1A1225	RT32053	Computer Networks	18	43	3
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15VV1A1225	RT32055	Web Technologies	22	35	3
15VV1A1225	RT32056	IPR and Patents	18	39	2
15VV1A1225	RT32121	Software Testing	24	37	3
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15VV1A1225	RT32128	Software Testing Lab	21	43	2
15VV1A1225	RT32129	Web Technologies Lab	18	41	2
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15VV1A1226	RT32053	Computer Networks	25	54	3
15VV1A1226	RT32054	Design and Analysis of Algorithms	25	55	3
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15VV1A1226	RT32056	IPR and Patents	24	46	2
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15VV1A1226	RT32129	Web Technologies Lab	18	42	2
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15VV1A1227	RT32053	Computer Networks	23	42	3
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15VV1A1227	RT32056	IPR and Patents	25	39	2
15VV1A1227	RT32121	Software Testing	23	44	3
15VV1A1227	RT32127	Computer Networks and Network Programming L	22	45	2
15VV1A1227	RT32128	Software Testing Lab	21	41	2
15VV1A1227	RT32129	Web Technologies Lab	21	43	2
15VV1A1228	RT32052	Data Ware housing and Mining	26	42	3
15VV1A1228	RT32053	Computer Networks	22	46	3
15VV1A1228	RT32054	Design and Analysis of Algorithms	22	46	3

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15VV1A1228	RT32128	Software Testing Lab	21	40	2
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15VV1A1230	RT32053	Computer Networks	20	45	3
15VV1A1230	RT32054	Design and Analysis of Algorithms	21	37	3
15VV1A1230	RT32055	Web Technologies	24	40	3
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15VV1A1230	RT32121	Software Testing	25	38	3
15VV1A1230	RT32127	Computer Networks and Network Programming L	22	45	2
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15VV1A1231	RT32055	Web Technologies	19	32	3
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15VV1A1231	RT32129	Web Technologies Lab	17	39	2
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15VV1A1232	RT32053	Computer Networks	23	47	3
15VV1A1232	RT32054	Design and Analysis of Algorithms	23	42	3
15VV1A1232	RT32055	Web Technologies	24	46	3
15VV1A1232	RT32056	IPR and Patents	23	49	2
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15VV1A1232	RT32127	Computer Networks and Network Programming L	20	44	2
15VV1A1232	RT32128	Software Testing Lab	21	41	2
15VV1A1232	RT32129	Web Technologies Lab	18	40	2
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15VV1A1233	RT32053	Computer Networks	25	47	3
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15VV1A1233	RT32129	Web Technologies Lab	17	38	2
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15VV1A1234	RT32053	Computer Networks	17	36	3
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15VV1A1234	RT32055	Web Technologies	17	24	3
15VV1A1234	RT32056	IPR and Patents	18	36	2
15VV1A1234	RT32121	Software Testing	16	40	3
15VV1A1234	RT32127	Computer Networks and Network Programming L	20	43	2
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15VV1A1235	RT32053	Computer Networks	23	45	3
15VV1A1235	RT32054	Design and Analysis of Algorithms	20	46	3
15VV1A1235	RT32055	Web Technologies	27	31	3
15VV1A1235	RT32056	IPR and Patents	22	38	2
15VV1A1235	RT32121	Software Testing	19	44	3
15VV1A1235	RT32127	Computer Networks and Network Programming L	21	44	2
15VV1A1235	RT32128	Software Testing Lab	23	45	2
15VV1A1235	RT32129	Web Technologies Lab	18	40	2
15VV1A1237	RT32052	Data Ware housing and Mining	27	50	3
15VV1A1237	RT32053	Computer Networks	28	46	3
15VV1A1237	RT32054	Design and Analysis of Algorithms	24	42	3
15VV1A1237	RT32055	Web Technologies	27	45	3
15VV1A1237	RT32056	IPR and Patents	25	47	2
15VV1A1237	RT32121	Software Testing	25	46	3
15VV1A1237	RT32127	Computer Networks and Network Programming L	23	47	2
15VV1A1237	RT32128	Software Testing Lab	24	48	2
15VV1A1237	RT32129	Web Technologies Lab	18	40	2
15VV1A1238	RT32052	Data Ware housing and Mining	27	50	3
15VV1A1238	RT32053	Computer Networks	24	50	3
15VV1A1238	RT32054	Design and Analysis of Algorithms	25	54	3
15VV1A1238	RT32055	Web Technologies	23	50	3
15VV1A1238	RT32056	IPR and Patents	20	39	2
15VV1A1238	RT32121	Software Testing	24	54	3
15VV1A1238	RT32127	Computer Networks and Network Programming L	20	44	2
15VV1A1238	RT32128	Software Testing Lab	20	39	2
15VV1A1238	RT32129	Web Technologies Lab	20	42	2
15VV1A1239	RT32052	Data Ware housing and Mining	28	52	3
15VV1A1239	RT32053	Computer Networks	25	49	3
15VV1A1239	RT32054	Design and Analysis of Algorithms	21	52	3
15VV1A1239	RT32055	Web Technologies	25	44	3
15VV1A1239	RT32056	IPR and Patents	21	50	2
15VV1A1239	RT32121	Software Testing	22	54	3
15VV1A1239	RT32127	Computer Networks and Network Programming L	22	47	2
15VV1A1239	RT32128	Software Testing Lab	21	39	2
15VV1A1239	RT32129	Web Technologies Lab	19	38	2
15VV1A1240	RT32052	Data Ware housing and Mining	26	33	3
15VV1A1240	RT32053	Computer Networks	21	33	3
15VV1A1240	RT32054	Design and Analysis of Algorithms	21	28	3
15VV1A1240	RT32055	Web Technologies	25	32	3
15VV1A1240	RT32056	IPR and Patents	19	28	2
15VV1A1240	RT32121	Software Testing	20	41	3
15VV1A1240	RT32127	Computer Networks and Network Programming L	22	46	2
15VV1A1240	RT32128	Software Testing Lab	19	39	2
15VV1A1240	RT32129	Web Technologies Lab	20	41	2
15VV1A1241	RT32052	Data Ware housing and Mining	25	45	3
15VV1A1241	RT32053	Computer Networks	25	36	3
15VV1A1241	RT32054	Design and Analysis of Algorithms	23	36	3
15VV1A1241	RT32055	Web Technologies	25	36	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A1241	RT32056	IPR and Patents	23	39	2
15VV1A1241	RT32121	Software Testing	22	41	3
15VV1A1241	RT32127	Computer Networks and Network Programming L	21	44	2
15VV1A1241	RT32128	Software Testing Lab	21	45	2
15VV1A1241	RT32129	Web Technologies Lab	19	41	2
15VV1A1242	RT32052	Data Ware housing and Mining	24	50	3
15VV1A1242	RT32053	Computer Networks	28	48	3
15VV1A1242	RT32054	Design and Analysis of Algorithms	21	42	3
15VV1A1242	RT32055	Web Technologies	24	38	3
15VV1A1242	RT32056	IPR and Patents	24	42	2
15VV1A1242	RT32121	Software Testing	23	3	0
15VV1A1242	RT32127	Computer Networks and Network Programming L	23	47	2
15VV1A1242	RT32128	Software Testing Lab	21	45	2
15VV1A1242	RT32129	Web Technologies Lab	18	42	2
15VV1A1243	RT32052	Data Ware housing and Mining	28	52	3
15VV1A1243	RT32053	Computer Networks	23	49	3
15VV1A1243	RT32054	Design and Analysis of Algorithms	25	54	3
15VV1A1243	RT32055	Web Technologies	25	41	3
15VV1A1243	RT32056	IPR and Patents	24	45	2
15VV1A1243	RT32121	Software Testing	26	54	3
15VV1A1243	RT32127	Computer Networks and Network Programming L	22	46	2
15VV1A1243	RT32128	Software Testing Lab	24	44	2
15VV1A1243	RT32129	Web Technologies Lab	19	40	2
15VV1A1244	RT32052	Data Ware housing and Mining	28	43	3
15VV1A1244	RT32053	Computer Networks	27	42	3
15VV1A1244	RT32054	Design and Analysis of Algorithms	26	54	3
15VV1A1244	RT32055	Web Technologies	24	40	3
15VV1A1244	RT32056	IPR and Patents	21	45	2
15VV1A1244	RT32121	Software Testing	28	42	3
15VV1A1244	RT32127	Computer Networks and Network Programming L	22	45	2
15VV1A1244	RT32128	Software Testing Lab	23	46	2
15VV1A1244	RT32129	Web Technologies Lab	18	40	2
15VV1A1245	RT32052	Data Ware housing and Mining	22	43	3
15VV1A1245	RT32053	Computer Networks	26	45	3
15VV1A1245	RT32054	Design and Analysis of Algorithms	23	52	3
15VV1A1245	RT32055	Web Technologies	23	38	3
15VV1A1245	RT32056	IPR and Patents	24	40	2
15VV1A1245	RT32121	Software Testing	25	31	3
15VV1A1245	RT32127	Computer Networks and Network Programming L	21	44	2
15VV1A1245	RT32128	Software Testing Lab	25	50	2
15VV1A1245	RT32129	Web Technologies Lab	16	37	2
15VV1A1246	RT32052	Data Ware housing and Mining	23	33	3
15VV1A1246	RT32053	Computer Networks	21	32	3
15VV1A1246	RT32054	Design and Analysis of Algorithms	19	42	3
15VV1A1246	RT32055	Web Technologies	24	26	3
15VV1A1246	RT32056	IPR and Patents	22	39	2
15VV1A1246	RT32121	Software Testing	19	24	3
15VV1A1246	RT32127	Computer Networks and Network Programming L	20	44	2
15VV1A1246	RT32128	Software Testing Lab	18	38	2
15VV1A1246	RT32129	Web Technologies Lab	19	39	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A1247	RT32052	Data Ware housing and Mining	24	36	3
15VV1A1247	RT32053	Computer Networks	24	44	3
15VV1A1247	RT32054	Design and Analysis of Algorithms	23	32	3
15VV1A1247	RT32055	Web Technologies	20	35	3
15VV1A1247	RT32056	IPR and Patents	20	36	2
15VV1A1247	RT32121	Software Testing	25	29	3
15VV1A1247	RT32127	Computer Networks and Network Programming L	21	43	2
15VV1A1247	RT32128	Software Testing Lab	20	40	2
15VV1A1247	RT32129	Web Technologies Lab	16	38	2
15VV1A1248	RT32052	Data Ware housing and Mining	28	44	3
15VV1A1248	RT32053	Computer Networks	24	44	3
15VV1A1248	RT32054	Design and Analysis of Algorithms	26	58	3
15VV1A1248	RT32055	Web Technologies	28	47	3
15VV1A1248	RT32056	IPR and Patents	22	42	2
15VV1A1248	RT32121	Software Testing	27	46	3
15VV1A1248	RT32127	Computer Networks and Network Programming L	24	48	2
15VV1A1248	RT32128	Software Testing Lab	25	48	2
15VV1A1248	RT32129	Web Technologies Lab	22	43	2
15VV1A1249	RT32052	Data Ware housing and Mining	24	40	3
15VV1A1249	RT32053	Computer Networks	22	43	3
15VV1A1249	RT32054	Design and Analysis of Algorithms	20	40	3
15VV1A1249	RT32055	Web Technologies	19	39	3
15VV1A1249	RT32056	IPR and Patents	20	41	2
15VV1A1249	RT32121	Software Testing	19	40	3
15VV1A1249	RT32127	Computer Networks and Network Programming L	21	44	2
15VV1A1249	RT32128	Software Testing Lab	18	35	2
15VV1A1249	RT32129	Web Technologies Lab	15	37	2
15VV1A1250	RT32052	Data Ware housing and Mining	25	45	3
15VV1A1250	RT32053	Computer Networks	24	53	3
15VV1A1250	RT32054	Design and Analysis of Algorithms	23	60	3
15VV1A1250	RT32055	Web Technologies	28	45	3
15VV1A1250	RT32056	IPR and Patents	20	42	2
15VV1A1250	RT32121	Software Testing	23	44	3
15VV1A1250	RT32127	Computer Networks and Network Programming L	22	45	2
15VV1A1250	RT32128	Software Testing Lab	21	42	2
15VV1A1250	RT32129	Web Technologies Lab	21	43	2
15VV1A1251	RT32052	Data Ware housing and Mining	26	47	3
15VV1A1251	RT32053	Computer Networks	24	49	3
15VV1A1251	RT32054	Design and Analysis of Algorithms	21	52	3
15VV1A1251	RT32055	Web Technologies	28	41	3
15VV1A1251	RT32056	IPR and Patents	23	44	2
15VV1A1251	RT32121	Software Testing	21	45	3
15VV1A1251	RT32127	Computer Networks and Network Programming L	21	44	2
15VV1A1251	RT32128	Software Testing Lab	20	40	2
15VV1A1251	RT32129	Web Technologies Lab	20	42	2
15VV1A1252	RT32052	Data Ware housing and Mining	27	51	3
15VV1A1252	RT32053	Computer Networks	24	53	3
15VV1A1252	RT32054	Design and Analysis of Algorithms	24	50	3
15VV1A1252	RT32055	Web Technologies	24	44	3
15VV1A1252	RT32056	IPR and Patents	20	42	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A1252	RT32121	Software Testing	25	48	3
15VV1A1252	RT32127	Computer Networks and Network Programming L	22	46	2
15VV1A1252	RT32128	Software Testing Lab	21	43	2
15VV1A1252	RT32129	Web Technologies Lab	17	39	2
15VV1A1253	RT32052	Data Ware housing and Mining	27	40	3
15VV1A1253	RT32053	Computer Networks	22	42	3
15VV1A1253	RT32054	Design and Analysis of Algorithms	23	48	3
15VV1A1253	RT32055	Web Technologies	25	44	3
15VV1A1253	RT32056	IPR and Patents	22	38	2
15VV1A1253	RT32121	Software Testing	23	46	3
15VV1A1253	RT32127	Computer Networks and Network Programming L	22	45	2
15VV1A1253	RT32128	Software Testing Lab	21	42	2
15VV1A1253	RT32129	Web Technologies Lab	21	42	2
15VV1A1254	RT32052	Data Ware housing and Mining	26	47	3
15VV1A1254	RT32053	Computer Networks	24	45	3
15VV1A1254	RT32054	Design and Analysis of Algorithms	22	54	3
15VV1A1254	RT32055	Web Technologies	28	45	3
15VV1A1254	RT32056	IPR and Patents	22	44	2
15VV1A1254	RT32121	Software Testing	21	42	3
15VV1A1254	RT32127	Computer Networks and Network Programming L	23	47	2
15VV1A1254	RT32128	Software Testing Lab	20	40	2
15VV1A1254	RT32129	Web Technologies Lab	23	42	2
15VV1A1255	RT32052	Data Ware housing and Mining	23	38	3
15VV1A1255	RT32053	Computer Networks	23	40	3
15VV1A1255	RT32054	Design and Analysis of Algorithms	23	41	3
15VV1A1255	RT32055	Web Technologies	24	40	3
15VV1A1255	RT32056	IPR and Patents	22	45	2
15VV1A1255	RT32121	Software Testing	22	34	3
15VV1A1255	RT32127	Computer Networks and Network Programming L	22	46	2
15VV1A1255	RT32128	Software Testing Lab	20	41	2
15VV1A1255	RT32129	Web Technologies Lab	18	40	2
15VV1A1256	RT32052	Data Ware housing and Mining	27	46	3
15VV1A1256	RT32053	Computer Networks	25	52	3
15VV1A1256	RT32054	Design and Analysis of Algorithms	23	50	3
15VV1A1256	RT32055	Web Technologies	26	47	3
15VV1A1256	RT32056	IPR and Patents	22	48	2
15VV1A1256	RT32121	Software Testing	25	52	3
15VV1A1256	RT32127	Computer Networks and Network Programming L	23	47	2
15VV1A1256	RT32128	Software Testing Lab	22	47	2
15VV1A1256	RT32129	Web Technologies Lab	21	43	2
15VV1A1257	RT32052	Data Ware housing and Mining	27	35	3
15VV1A1257	RT32053	Computer Networks	22	49	3
15VV1A1257	RT32054	Design and Analysis of Algorithms	21	50	3
15VV1A1257	RT32055	Web Technologies	23	39	3
15VV1A1257	RT32056	IPR and Patents	22	43	2
15VV1A1257	RT32121	Software Testing	21	47	3
15VV1A1257	RT32127	Computer Networks and Network Programming L	23	47	2
15VV1A1257	RT32128	Software Testing Lab	21	46	2
15VV1A1257	RT32129	Web Technologies Lab	18	40	2
15VV1A3101	MT321	Composites	19	46	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A3101	MT322	Steel Making	25	42	3
15VV1A3101	MT323	Mechanical Metallurgy	28	42	3
15VV1A3101	MT324	Welding Technology	27	36	3
15VV1A3101	MT325	Heat Treatment Technology	24	52	3
15VV1A3101	MT326	Welding Technology Lab	18	39	2
15VV1A3101	MT327	Heat Treatment Technology Lab	19	34	2
15VV1A3101	MT328	Mechanical Metallurgy Lab	20	40	2
15VV1A3102	MT321	Composites	13	34	3
15VV1A3102	MT322	Steel Making	16	28	3
15VV1A3102	MT323	Mechanical Metallurgy	24	42	3
15VV1A3102	MT324	Welding Technology	15	40	3
15VV1A3102	MT325	Heat Treatment Technology	25	48	3
15VV1A3102	MT326	Welding Technology Lab	17	35	2
15VV1A3102	MT327	Heat Treatment Technology Lab	19	26	2
15VV1A3102	MT328	Mechanical Metallurgy Lab	18	38	2
15VV1A3103	MT321	Composites	13	33	3
15VV1A3103	MT322	Steel Making	20	29	3
15VV1A3103	MT323	Mechanical Metallurgy	28	38	3
15VV1A3103	MT324	Welding Technology	22	36	3
15VV1A3103	MT325	Heat Treatment Technology	28	47	3
15VV1A3103	MT326	Welding Technology Lab	19	36	2
15VV1A3103	MT327	Heat Treatment Technology Lab	19	26	2
15VV1A3103	MT328	Mechanical Metallurgy Lab	22	39	2
15VV1A3104	MT321	Composites	20	42	3
15VV1A3104	MT322	Steel Making	22	44	3
15VV1A3104	MT323	Mechanical Metallurgy	28	48	3
15VV1A3104	MT324	Welding Technology	19	54	3
15VV1A3104	MT325	Heat Treatment Technology	27	56	3
15VV1A3104	MT326	Welding Technology Lab	18	35	2
15VV1A3104	MT327	Heat Treatment Technology Lab	20	34	2
15VV1A3104	MT328	Mechanical Metallurgy Lab	19	41	2
15VV1A3105	MT321	Composites	17	41	3
15VV1A3105	MT322	Steel Making	19	33	3
15VV1A3105	MT323	Mechanical Metallurgy	25	36	3
15VV1A3105	MT324	Welding Technology	21	38	3
15VV1A3105	MT325	Heat Treatment Technology	23	50	3
15VV1A3105	MT326	Welding Technology Lab	15	36	2
15VV1A3105	MT327	Heat Treatment Technology Lab	21	37	2
15VV1A3105	MT328	Mechanical Metallurgy Lab	20	36	2
15VV1A3106	MT321	Composites	25	61	3
15VV1A3106	MT322	Steel Making	27	55	3
15VV1A3106	MT323	Mechanical Metallurgy	29	52	3
15VV1A3106	MT324	Welding Technology	30	48	3
15VV1A3106	MT325	Heat Treatment Technology	29	57	3
15VV1A3106	MT326	Welding Technology Lab	23	44	2
15VV1A3106	MT327	Heat Treatment Technology Lab	24	47	2
15VV1A3106	MT328	Mechanical Metallurgy Lab	23	46	2
15VV1A3107	MT321	Composites	21	50	3
15VV1A3107	MT322	Steel Making	24	50	3
15VV1A3107	MT323	Mechanical Metallurgy	27	50	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A3107	MT324	Welding Technology	27	44	3
15VV1A3107	MT325	Heat Treatment Technology	29	57	3
15VV1A3107	MT326	Welding Technology Lab	21	41	2
15VV1A3107	MT327	Heat Treatment Technology Lab	21	43	2
15VV1A3107	MT328	Mechanical Metallurgy Lab	21	42	2
15VV1A3108	MT321	Composites	20	55	3
15VV1A3108	MT322	Steel Making	27	52	3
15VV1A3108	MT323	Mechanical Metallurgy	26	52	3
15VV1A3108	MT324	Welding Technology	26	48	3
15VV1A3108	MT325	Heat Treatment Technology	29	60	3
15VV1A3108	MT326	Welding Technology Lab	23	39	2
15VV1A3108	MT327	Heat Treatment Technology Lab	24	46	2
15VV1A3108	MT328	Mechanical Metallurgy Lab	21	43	2
15VV1A3109	MT321	Composites	23	60	3
15VV1A3109	MT322	Steel Making	27	54	3
15VV1A3109	MT323	Mechanical Metallurgy	28	56	3
15VV1A3109	MT324	Welding Technology	25	54	3
15VV1A3109	MT325	Heat Treatment Technology	30	65	3
15VV1A3109	MT326	Welding Technology Lab	24	40	2
15VV1A3109	MT327	Heat Treatment Technology Lab	24	47	2
15VV1A3109	MT328	Mechanical Metallurgy Lab	24	47	2
15VV1A3110	MT321	Composites	17	63	3
15VV1A3110	MT322	Steel Making	25	60	3
15VV1A3110	MT323	Mechanical Metallurgy	27	54	3
15VV1A3110	MT324	Welding Technology	28	58	3
15VV1A3110	MT325	Heat Treatment Technology	27	48	3
15VV1A3110	MT326	Welding Technology Lab	21	37	2
15VV1A3110	MT327	Heat Treatment Technology Lab	24	44	2
15VV1A3110	MT328	Mechanical Metallurgy Lab	21	43	2
15VV1A3111	MT321	Composites	14	47	3
15VV1A3111	MT322	Steel Making	16	41	3
15VV1A3111	MT323	Mechanical Metallurgy	23	48	3
15VV1A3111	MT324	Welding Technology	22	36	3
15VV1A3111	MT325	Heat Treatment Technology	24	58	3
15VV1A3111	MT326	Welding Technology Lab	18	40	2
15VV1A3111	MT327	Heat Treatment Technology Lab	20	38	2
15VV1A3111	MT328	Mechanical Metallurgy Lab	19	40	2
15VV1A3112	MT321	Composites	21	53	3
15VV1A3112	MT322	Steel Making	26	59	3
15VV1A3112	MT323	Mechanical Metallurgy	28	58	3
15VV1A3112	MT324	Welding Technology	27	50	3
15VV1A3112	MT325	Heat Treatment Technology	28	51	3
15VV1A3112	MT326	Welding Technology Lab	17	39	2
15VV1A3112	MT327	Heat Treatment Technology Lab	21	40	2
15VV1A3112	MT328	Mechanical Metallurgy Lab	19	44	2
15VV1A3114	MT321	Composites	22	47	3
15VV1A3114	MT322	Steel Making	23	39	3
15VV1A3114	MT323	Mechanical Metallurgy	27	54	3
15VV1A3114	MT324	Welding Technology	23	36	3
15VV1A3114	MT325	Heat Treatment Technology	23	49	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A3114	MT326	Welding Technology Lab	21	39	2
15VV1A3114	MT327	Heat Treatment Technology Lab	23	45	2
15VV1A3114	MT328	Mechanical Metallurgy Lab	20	43	2
15VV1A3115	MT321	Composites	22	55	3
15VV1A3115	MT322	Steel Making	25	48	3
15VV1A3115	MT323	Mechanical Metallurgy	24	52	3
15VV1A3115	MT324	Welding Technology	22	38	3
15VV1A3115	MT325	Heat Treatment Technology	25	52	3
15VV1A3115	MT326	Welding Technology Lab	20	41	2
15VV1A3115	MT327	Heat Treatment Technology Lab	23	47	2
15VV1A3115	MT328	Mechanical Metallurgy Lab	22	46	2
15VV1A3116	MT321	Composites	16	48	3
15VV1A3116	MT322	Steel Making	18	32	3
15VV1A3116	MT323	Mechanical Metallurgy	22	35	3
15VV1A3116	MT324	Welding Technology	19	30	3
15VV1A3116	MT325	Heat Treatment Technology	22	34	3
15VV1A3116	MT326	Welding Technology Lab	17	36	2
15VV1A3116	MT327	Heat Treatment Technology Lab	18	36	2
15VV1A3116	MT328	Mechanical Metallurgy Lab	20	40	2
15VV1A3117	MT321	Composites	16	53	3
15VV1A3117	MT322	Steel Making	21	47	3
15VV1A3117	MT323	Mechanical Metallurgy	22	48	3
15VV1A3117	MT324	Welding Technology	23	56	3
15VV1A3117	MT325	Heat Treatment Technology	26	45	3
15VV1A3117	MT326	Welding Technology Lab	19	40	2
15VV1A3117	MT327	Heat Treatment Technology Lab	18	37	2
15VV1A3117	MT328	Mechanical Metallurgy Lab	18	36	2
15VV1A3118	MT321	Composites	19	44	3
15VV1A3118	MT322	Steel Making	21	37	3
15VV1A3118	MT323	Mechanical Metallurgy	29	54	3
15VV1A3118	MT324	Welding Technology	18	40	3
15VV1A3118	MT325	Heat Treatment Technology	28	51	3
15VV1A3118	MT326	Welding Technology Lab	20	39	2
15VV1A3118	MT327	Heat Treatment Technology Lab	23	44	2
15VV1A3118	MT328	Mechanical Metallurgy Lab	22	45	2
15VV1A3119	MT321	Composites	13	35	3
15VV1A3119	MT322	Steel Making	17	24	3
15VV1A3119	MT323	Mechanical Metallurgy	24	45	3
15VV1A3119	MT324	Welding Technology	16	41	3
15VV1A3119	MT325	Heat Treatment Technology	27	37	3
15VV1A3119	MT326	Welding Technology Lab	17	35	2
15VV1A3119	MT327	Heat Treatment Technology Lab	19	31	2
15VV1A3119	MT328	Mechanical Metallurgy Lab	20	30	2
15VV1A3120	MT321	Composites	18	49	3
15VV1A3120	MT322	Steel Making	23	45	3
15VV1A3120	MT323	Mechanical Metallurgy	22	54	3
15VV1A3120	MT324	Welding Technology	21	46	3
15VV1A3120	MT325	Heat Treatment Technology	26	46	3
15VV1A3120	MT326	Welding Technology Lab	20	39	2
15VV1A3120	MT327	Heat Treatment Technology Lab	24	45	2

Htno	Subcode	Subname	Internal	External	Credits
15VV1A3120	MT328	Mechanical Metallurgy Lab	22	45	2
15VV1A3121	MT321	Composites	17	41	3
15VV1A3121	MT322	Steel Making	19	41	3
15VV1A3121	MT323	Mechanical Metallurgy	27	52	3
15VV1A3121	MT324	Welding Technology	22	54	3
15VV1A3121	MT325	Heat Treatment Technology	28	56	3
15VV1A3121	MT326	Welding Technology Lab	15	36	2
15VV1A3121	MT327	Heat Treatment Technology Lab	19	39	2
15VV1A3121	MT328	Mechanical Metallurgy Lab	19	37	2
15VV1A3122	MT321	Composites	18	44	3
15VV1A3122	MT322	Steel Making	21	48	3
15VV1A3122	MT323	Mechanical Metallurgy	23	46	3
15VV1A3122	MT324	Welding Technology	19	36	3
15VV1A3122	MT325	Heat Treatment Technology	27	54	3
15VV1A3122	MT326	Welding Technology Lab	18	40	2
15VV1A3122	MT327	Heat Treatment Technology Lab	23	35	2
15VV1A3122	MT328	Mechanical Metallurgy Lab	19	38	2
15VV1A3123	MT321	Composites	14	36	3
15VV1A3123	MT322	Steel Making	18	37	3
15VV1A3123	MT323	Mechanical Metallurgy	20	50	3
15VV1A3123	MT324	Welding Technology	21	50	3
15VV1A3123	MT325	Heat Treatment Technology	27	42	3
15VV1A3123	MT326	Welding Technology Lab	15	35	2
15VV1A3123	MT327	Heat Treatment Technology Lab	22	27	2
15VV1A3123	MT328	Mechanical Metallurgy Lab	18	31	2
15VV1A3124	MT321	Composites	18	45	3
15VV1A3124	MT322	Steel Making	25	39	3
15VV1A3124	MT323	Mechanical Metallurgy	28	52	3
15VV1A3124	MT324	Welding Technology	19	38	3
15VV1A3124	MT325	Heat Treatment Technology	23	44	3
15VV1A3124	MT326	Welding Technology Lab	18	35	2
15VV1A3124	MT327	Heat Treatment Technology Lab	23	37	2
15VV1A3124	MT328	Mechanical Metallurgy Lab	20	39	2
15VV1A3125	MT321	Composites	12	30	3
15VV1A3125	MT322	Steel Making	20	29	3
15VV1A3125	MT323	Mechanical Metallurgy	25	40	3
15VV1A3125	MT324	Welding Technology	19	40	3
15VV1A3125	MT325	Heat Treatment Technology	27	43	3
15VV1A3125	MT326	Welding Technology Lab	17	43	2
15VV1A3125	MT327	Heat Treatment Technology Lab	19	31	2
15VV1A3125	MT328	Mechanical Metallurgy Lab	21	43	2
15VV1A3126	MT321	Composites	22	53	3
15VV1A3126	MT322	Steel Making	21	50	3
15VV1A3126	MT323	Mechanical Metallurgy	26	52	3
15VV1A3126	MT324	Welding Technology	23	56	3
15VV1A3126	MT325	Heat Treatment Technology	29	48	3
15VV1A3126	MT326	Welding Technology Lab	15	38	2
15VV1A3126	MT327	Heat Treatment Technology Lab	20	43	2
15VV1A3126	MT328	Mechanical Metallurgy Lab	19	43	2
15VV1A3127	MT321	Composites	13	27	3

Htno	Subcode	Subname	Internal	External	Credits
15VV1A3127	MT322	Steel Making	12	28	3
15VV1A3127	MT323	Mechanical Metallurgy	22	11	0
15VV1A3127	MT324	Welding Technology	12	35	3
15VV1A3127	MT325	Heat Treatment Technology	25	32	3
15VV1A3127	MT326	Welding Technology Lab	15	35	2
15VV1A3127	MT327	Heat Treatment Technology Lab	18	26	2
15VV1A3127	MT328	Mechanical Metallurgy Lab	17	36	2
15VV1A3128	MT321	Composites	15	46	3
15VV1A3128	MT322	Steel Making	21	38	3
15VV1A3128	MT323	Mechanical Metallurgy	25	40	3
15VV1A3128	MT324	Welding Technology	22	32	3
15VV1A3128	MT325	Heat Treatment Technology	24	44	3
15VV1A3128	MT326	Welding Technology Lab	15	36	2
15VV1A3128	MT327	Heat Treatment Technology Lab	21	30	2
15VV1A3128	MT328	Mechanical Metallurgy Lab	18	42	2
15VV1A3129	MT321	Composites	13	44	3
15VV1A3129	MT322	Steel Making	11	39	3
15VV1A3129	MT323	Mechanical Metallurgy	23	39	3
15VV1A3129	MT324	Welding Technology	18	42	3
15VV1A3129	MT325	Heat Treatment Technology	25	42	3
15VV1A3129	MT326	Welding Technology Lab	17	36	2
15VV1A3129	MT327	Heat Treatment Technology Lab	22	35	2
15VV1A3129	MT328	Mechanical Metallurgy Lab	20	41	2
15VV1A3130	MT321	Composites	13	50	3
15VV1A3130	MT322	Steel Making	19	52	3
15VV1A3130	MT323	Mechanical Metallurgy	25	58	3
15VV1A3130	MT324	Welding Technology	20	46	3
15VV1A3130	MT325	Heat Treatment Technology	27	49	3
15VV1A3130	MT326	Welding Technology Lab	15	36	2
15VV1A3130	MT327	Heat Treatment Technology Lab	20	34	2
15VV1A3130	MT328	Mechanical Metallurgy Lab	20	42	2
15VV5A0561	RT32051	Software Engineering	20	42	3
15VV5A0566	RT32052	Data Ware housing and Mining	6	24	0
16VV5A0131	RT32011	Environmental Engineering â€" I	27	61	3
16VV5A0131	RT32012	Geotechnical Engineering â€" II	30	55	3
16VV5A0131	RT32013	Design and Drawing of Steel Structures	26	50	3
16VV5A0131	RT32014	Water Resources Engineeringâ€"I	27	70	3
16VV5A0131	RT32015	Transportation Engineering â€" II	25	56	3
16VV5A0131	RT32016A	Environmental Pollution and Control	26	60	3
16VV5A0131	RT32017	Computer Aided Engineering Drawing	29	68	2
16VV5A0131	RT32018	Transportation Engineering Lab	24	49	2
16VV5A0133	RT32011	Environmental Engineering â€" I	25	40	3
16VV5A0133	RT32012	Geotechnical Engineering â€" II	26	54	3
16VV5A0133	RT32013	Design and Drawing of Steel Structures	23	26	3
16VV5A0133	RT32014	Water Resources Engineeringâ€"I	23	55	3
16VV5A0133	RT32015	Transportation Engineering â€" II	17	56	3
16VV5A0133	RT32016A	Environmental Pollution and Control	27	42	3
16VV5A0133	RT32017	Computer Aided Engineering Drawing	27	66	2
16VV5A0133	RT32018	Transportation Engineering Lab	24	48	2
16VV5A0261	RT32021	Microprocessors & Microcontrollers	23	43	3

Htno	Subcode	Subname	Internal	External	Credits
16VV5A0261	RT32022	Switchgear and Protection	18	54	3
16VV5A0261	RT32023	Utilization of Electrical Energy	24	41	3
16VV5A0261	RT32024	Power System Analysis	19	34	3
16VV5A0261	RT32025	Management Science	25	39	3
16VV5A0261	RT32026	Power Semiconductor Drives	20	44	3
16VV5A0261	RT32027	Power Electronics Lab	22	42	2
16VV5A0261	RT32028	Electrical Measurements Lab	18	42	2
16VV5A0262	RT32021	Microprocessors & Microcontrollers	24	49	3
16VV5A0262	RT32022	Switchgear and Protection	24	41	3
16VV5A0262	RT32023	Utilization of Electrical Energy	29	56	3
16VV5A0262	RT32024	Power System Analysis	23	41	3
16VV5A0262	RT32025	Management Science	27	56	3
16VV5A0262	RT32026	Power Semiconductor Drives	27	53	3
16VV5A0262	RT32027	Power Electronics Lab	23	45	2
16VV5A0262	RT32028	Electrical Measurements Lab	22	48	2
16VV5A0263	RT32021	Microprocessors & Microcontrollers	21	48	3
16VV5A0263	RT32022	Switchgear and Protection	19	41	3
16VV5A0263	RT32023	Utilization of Electrical Energy	30	45	3
16VV5A0263	RT32024	Power System Analysis	25	46	3
16VV5A0263	RT32025	Management Science	28	46	3
16VV5A0263	RT32026	Power Semiconductor Drives	26	60	3
16VV5A0263	RT32027	Power Electronics Lab	24	47	2
16VV5A0263	RT32028	Electrical Measurements Lab	16	47	2
16VV5A0264	RT32021	Microprocessors & Microcontrollers	27	45	3
16VV5A0264	RT32022	Switchgear and Protection	21	46	3
16VV5A0264	RT32023	Utilization of Electrical Energy	29	51	3
16VV5A0264	RT32024	Power System Analysis	25	46	3
16VV5A0264	RT32025	Management Science	25	52	3
16VV5A0264	RT32026	Power Semiconductor Drives	29	55	3
16VV5A0264	RT32027	Power Electronics Lab	23	43	2
16VV5A0264	RT32028	Electrical Measurements Lab	21	47	2
16VV5A0265	RT32021	Microprocessors & Microcontrollers	22	26	3
16VV5A0265	RT32022	Switchgear and Protection	18	37	3
16VV5A0265	RT32023	Utilization of Electrical Energy	13	33	3
16VV5A0265	RT32024	Power System Analysis	17	36	3
16VV5A0265	RT32025	Management Science	23	44	3
16VV5A0265	RT32026	Power Semiconductor Drives	19	43	3
16VV5A0265	RT32027	Power Electronics Lab	22	35	2
16VV5A0265	RT32028	Electrical Measurements Lab	17	31	2
16VV5A0266	RT32021	Microprocessors & Microcontrollers	23	45	3
16VV5A0266	RT32022	Switchgear and Protection	25	52	3
16VV5A0266	RT32023	Utilization of Electrical Energy	23	50	3
16VV5A0266	RT32024	Power System Analysis	22	45	3
16VV5A0266	RT32025	Management Science	28	52	3
16VV5A0266	RT32026	Power Semiconductor Drives	27	51	3
16VV5A0266	RT32027	Power Electronics Lab	24	47	2
16VV5A0266	RT32028	Electrical Measurements Lab	18	46	2
16VV5A0361	RT32031	Operations Research	25	50	3
16VV5A0361	RT32032	Interactive Computer Graphics	24	50	3
16VV5A0361	RT32033	Design of Machine Membersâ€" II	26	47	3

Htno	Subcode	Subname	Internal	External	Credits
16VV5A0361	RT32034	Robotics	28	42	3
16VV5A0361	RT32035	Heat Transfer	25	37	3
16VV5A0361	RT32036	Industrial Engineering Management	29	50	3
16VV5A0361	RT32037A	Refrigeration & Air Conditioning	27	55	3
16VV5A0361	RT32038	Heat Transfer Lab	24	49	2
16VV5A0362	RT32031	Operations Research	25	46	3
16VV5A0362	RT32032	Interactive Computer Graphics	24	41	3
16VV5A0362	RT32033	Design of Machine Membersâ€" II	21	42	3
16VV5A0362	RT32034	Robotics	23	38	3
16VV5A0362	RT32035	Heat Transfer	19	47	3
16VV5A0362	RT32036	Industrial Engineering Management	24	43	3
16VV5A0362	RT32037A	Refrigeration & Air Conditioning	18	44	3
16VV5A0362	RT32038	Heat Transfer Lab	23	42	2
16VV5A0363	RT32031	Operations Research	26	40	3
16VV5A0363	RT32032	Interactive Computer Graphics	26	45	3
16VV5A0363	RT32033	Design of Machine Membersâ€" II	25	47	3
16VV5A0363	RT32034	Robotics	24	40	3
16VV5A0363	RT32035	Heat Transfer	23	27	3
16VV5A0363	RT32036	Industrial Engineering Management	27	52	3
16VV5A0363	RT32037A	Refrigeration & Air Conditioning	25	46	3
16VV5A0363	RT32038	Heat Transfer Lab	23	48	2
16VV5A0364	RT32031	Operations Research	25	48	3
16VV5A0364	RT32032	Interactive Computer Graphics	26	38	3
16VV5A0364	RT32033	Design of Machine Membersâ€" II	25	52	3
16VV5A0364	RT32034	Robotics	25	37	3
16VV5A0364	RT32035	Heat Transfer	20	41	3
16VV5A0364	RT32036	Industrial Engineering Management	26	45	3
16VV5A0364	RT32037A	Refrigeration & Air Conditioning	27	43	3
16VV5A0364	RT32038	Heat Transfer Lab	24	43	2
16VV5A0365	RT32031	Operations Research	22	45	3
16VV5A0365	RT32032	Interactive Computer Graphics	24	50	3
16VV5A0365	RT32033	Design of Machine Membersâ€" II	22	38	3
16VV5A0365	RT32034	Robotics	20	43	3
16VV5A0365	RT32035	Heat Transfer	20	26	3
16VV5A0365	RT32036	Industrial Engineering Management	25	52	3
16VV5A0365	RT32037A	Refrigeration & Air Conditioning	23	49	3
16VV5A0365	RT32038	Heat Transfer Lab	22	40	2
16VV5A0366	RT32031	Operations Research	25	39	3
16VV5A0366	RT32032	Interactive Computer Graphics	27	39	3
16VV5A0366	RT32033	Design of Machine Membersâ€" II	24	37	3
16VV5A0366	RT32034	Robotics	24	39	3
16VV5A0366	RT32035	Heat Transfer	19	38	3
16VV5A0366	RT32036	Industrial Engineering Management	26	46	3
16VV5A0366	RT32037A	Refrigeration & Air Conditioning	16	45	3
16VV5A0366	RT32038	Heat Transfer Lab	24	48	2
16VV5A0461	RT32041	Microprocessors and Microcontrollers	21	51	3
16VV5A0461	RT32042	Digital Signal Processing	26	32	3
16VV5A0461	RT32043	Digital Communications	24	58	3
16VV5A0461	RT32044	Microwave Engineering	24	42	3
16VV5A0461	RT32045A	Bio Medical Engineering	26	38	3

Htno	Subcode	Subname	Internal	External	Credits
16VV5A0461	RT32046	Microprocessors and Microcontrollers Lab	23	45	2
16VV5A0461	RT32047	Digital Communications Lab	25	46	2
16VV5A0461	RT32048	Digital Signal Processing Lab	25	46	2
16VV5A0461	RT32049	Seminar	45	0	1
16VV5A0462	RT32041	Microprocessors and Microcontrollers	18	33	3
16VV5A0462	RT32042	Digital Signal Processing	19	36	3
16VV5A0462	RT32043	Digital Communications	18	49	3
16VV5A0462	RT32044	Microwave Engineering	16	41	3
16VV5A0462	RT32045A	Bio Medical Engineering	19	25	3
16VV5A0462	RT32046	Microprocessors and Microcontrollers Lab	24	44	2
16VV5A0462	RT32047	Digital Communications Lab	21	43	2
16VV5A0462	RT32048	Digital Signal Processing Lab	24	36	2
16VV5A0462	RT32049	Seminar	44	0	1
16VV5A0463	RT32041	Microprocessors and Microcontrollers	27	43	3
16VV5A0463	RT32042	Digital Signal Processing	21	24	3
16VV5A0463	RT32043	Digital Communications	19	55	3
16VV5A0463	RT32044	Microwave Engineering	22	43	3
16VV5A0463	RT32045A	Bio Medical Engineering	22	31	3
16VV5A0463	RT32046	Microprocessors and Microcontrollers Lab	25	46	2
16VV5A0463	RT32047	Digital Communications Lab	24	46	2
16VV5A0463	RT32048	Digital Signal Processing Lab	22	42	2
16VV5A0463	RT32049	Seminar	44	0	1
16VV5A0464	RT32041	Microprocessors and Microcontrollers	25	45	3
16VV5A0464	RT32042	Digital Signal Processing	24	33	3
16VV5A0464	RT32043	Digital Communications	26	53	3
16VV5A0464	RT32044	Microwave Engineering	24	36	3
16VV5A0464	RT32045A	Bio Medical Engineering	27	51	3
16VV5A0464	RT32046	Microprocessors and Microcontrollers Lab	25	46	2
16VV5A0464	RT32047	Digital Communications Lab	23	46	2
16VV5A0464	RT32048	Digital Signal Processing Lab	24	41	2
16VV5A0464	RT32049	Seminar	43	0	1
16VV5A0465	RT32041	Microprocessors and Microcontrollers	25	47	3
16VV5A0465	RT32042	Digital Signal Processing	25	31	3
16VV5A0465	RT32043	Digital Communications	23	63	3
16VV5A0465	RT32044	Microwave Engineering	26	49	3
16VV5A0465	RT32045A	Bio Medical Engineering	27	46	3
16VV5A0465	RT32046	Microprocessors and Microcontrollers Lab	24	48	2
16VV5A0465	RT32047	Digital Communications Lab	24	45	2
16VV5A0465	RT32048	Digital Signal Processing Lab	25	43	2
16VV5A0465	RT32049	Seminar	44	0	1
16VV5A0466	RT32041	Microprocessors and Microcontrollers	17	40	3
16VV5A0466	RT32042	Digital Signal Processing	21	44	3
16VV5A0466	RT32043	Digital Communications	19	49	3
16VV5A0466	RT32044	Microwave Engineering	23	33	3
16VV5A0466	RT32045A	Bio Medical Engineering	19	27	3
16VV5A0466	RT32046	Microprocessors and Microcontrollers Lab	22	42	2
16VV5A0466	RT32047	Digital Communications Lab	21	42	2
16VV5A0466	RT32048	Digital Signal Processing Lab	22	36	2
16VV5A0466	RT32049	Seminar	42	0	1
16VV5A0561	RT32051	Software Engineering	16	51	3

Htno	Subcode	Subname	Internal	External	Credits
16VV5A0561	RT32052	Data Ware housing and Mining	17	27	3
16VV5A0561	RT32053	Computer Networks	10	30	3
16VV5A0561	RT32054	Design and Analysis of Algorithms	18	39	3
16VV5A0561	RT32055	Web Technologies	23	46	3
16VV5A0561	RT32056	IPR and Patents	18	41	2
16VV5A0561	RT32057	Computer Networks and Network Programming L	23	30	2
16VV5A0561	RT32058	Software Engineering Lab	22	41	2
16VV5A0561	RT32059	Web Technologies Lab	21	43	2
16VV5A0562	RT32051	Software Engineering	17	39	3
16VV5A0562	RT32052	Data Ware housing and Mining	17	15	0
16VV5A0562	RT32053	Computer Networks	15	43	3
16VV5A0562	RT32054	Design and Analysis of Algorithms	23	27	3
16VV5A0562	RT32055	Web Technologies	21	30	3
16VV5A0562	RT32056	IPR and Patents	23	46	2
16VV5A0562	RT32057	Computer Networks and Network Programming L	23	45	2
16VV5A0562	RT32058	Software Engineering Lab	21	41	2
16VV5A0562	RT32059	Web Technologies Lab	21	46	2
16VV5A0563	RT32051	Software Engineering	22	45	3
16VV5A0563	RT32052	Data Ware housing and Mining	10	30	3
16VV5A0563	RT32053	Computer Networks	14	43	3
16VV5A0563	RT32054	Design and Analysis of Algorithms	15	35	3
16VV5A0563	RT32055	Web Technologies	20	25	3
16VV5A0563	RT32056	IPR and Patents	18	35	2
16VV5A0563	RT32057	Computer Networks and Network Programming L	23	30	2
16VV5A0563	RT32058	Software Engineering Lab	21	41	2
16VV5A0563	RT32059	Web Technologies Lab	23	43	2
16VV5A0564	RT32051	Software Engineering	22	54	3
16VV5A0564	RT32052	Data Ware housing and Mining	19	33	3
16VV5A0564	RT32053	Computer Networks	13	53	3
16VV5A0564	RT32054	Design and Analysis of Algorithms	17	31	3
16VV5A0564	RT32055	Web Technologies	24	47	3
16VV5A0564	RT32056	IPR and Patents	24	49	2
16VV5A0564	RT32057	Computer Networks and Network Programming L	23	40	2
16VV5A0564	RT32058	Software Engineering Lab	21	40	2
16VV5A0564	RT32059	Web Technologies Lab	21	44	2
16VV5A0565	RT32051	Software Engineering	21	58	3
16VV5A0565	RT32052	Data Ware housing and Mining	16	37	3
16VV5A0565	RT32053	Computer Networks	17	39	3
16VV5A0565	RT32054	Design and Analysis of Algorithms	23	46	3
16VV5A0565	RT32055	Web Technologies	26	49	3
16VV5A0565	RT32056	IPR and Patents	25	43	2
16VV5A0565	RT32057	Computer Networks and Network Programming L	25	46	2
16VV5A0565	RT32058	Software Engineering Lab	22	42	2
16VV5A0565	RT32059	Web Technologies Lab	22	46	2
16VV5A0566	RT32051	Software Engineering	24	53	3
16VV5A0566	RT32052	Data Ware housing and Mining	16	37	3
16VV5A0566	RT32053	Computer Networks	22	47	3
16VV5A0566	RT32054	Design and Analysis of Algorithms	23	34	3
16VV5A0566	RT32055	Web Technologies	24	46	3
16VV5A0566	RT32056	IPR and Patents	21	47	2

Htno	Subcode	Subname	Internal	External	Credits
16VV5A0566	RT32057	Computer Networks and Network Programming L	24	44	2
16VV5A0566	RT32058	Software Engineering Lab	25	48	2
16VV5A0566	RT32059	Web Technologies Lab	20	49	2
16VV5A1261	RT32052	Data Ware housing and Mining	25	40	3
16VV5A1261	RT32053	Computer Networks	23	46	3
16VV5A1261	RT32054	Design and Analysis of Algorithms	23	44	3
16VV5A1261	RT32055	Web Technologies	22	38	3
16VV5A1261	RT32056	IPR and Patents	23	41	2
16VV5A1261	RT32121	Software Testing	24	43	3
16VV5A1261	RT32127	Computer Networks and Network Programming L	22	46	2
16VV5A1261	RT32128	Software Testing Lab	22	46	2
16VV5A1261	RT32129	Web Technologies Lab	18	39	2
16VV5A1262	RT32052	Data Ware housing and Mining	24	32	3
16VV5A1262	RT32053	Computer Networks	21	34	3
16VV5A1262	RT32054	Design and Analysis of Algorithms	23	39	3
16VV5A1262	RT32055	Web Technologies	21	30	3
16VV5A1262	RT32056	IPR and Patents	21	34	2
16VV5A1262	RT32121	Software Testing	20	30	3
16VV5A1262	RT32127	Computer Networks and Network Programming L	22	46	2
16VV5A1262	RT32128	Software Testing Lab	20	44	2
16VV5A1262	RT32129	Web Technologies Lab	17	37	2
16VV5A1263	RT32052	Data Ware housing and Mining	28	48	3
16VV5A1263	RT32053	Computer Networks	26	53	3
16VV5A1263	RT32054	Design and Analysis of Algorithms	25	60	3
16VV5A1263	RT32055	Web Technologies	28	50	3
16VV5A1263	RT32056	IPR and Patents	25	47	2
16VV5A1263	RT32121	Software Testing	26	55	3
16VV5A1263	RT32127	Computer Networks and Network Programming L	24	48	2
16VV5A1263	RT32128	Software Testing Lab	24	49	2
16VV5A1263	RT32129	Web Technologies Lab	22	44	2
16VV5A1264	RT32052	Data Ware housing and Mining	20	41	3
16VV5A1264	RT32053	Computer Networks	21	24	3
16VV5A1264	RT32054	Design and Analysis of Algorithms	16	35	3
16VV5A1264	RT32055	Web Technologies	20	30	3
16VV5A1264	RT32056	IPR and Patents	22	41	2
16VV5A1264	RT32121	Software Testing	14	32	3
16VV5A1264	RT32127	Computer Networks and Network Programming L	22	44	2
16VV5A1264	RT32128	Software Testing Lab	16	34	2
16VV5A1264	RT32129	Web Technologies Lab	18	38	2
16VV5A1265	RT32052	Data Ware housing and Mining	27	43	3
16VV5A1265	RT32053	Computer Networks	25	40	3
16VV5A1265	RT32054	Design and Analysis of Algorithms	23	48	3
16VV5A1265	RT32055	Web Technologies	25	35	3
16VV5A1265	RT32056	IPR and Patents	24	45	2
16VV5A1265	RT32121	Software Testing	25	29	3
16VV5A1265	RT32127	Computer Networks and Network Programming L	22	48	2
16VV5A1265	RT32128	Software Testing Lab	24	46	2
16VV5A1265	RT32129	Web Technologies Lab	21	43	2
16VV5A1266	RT32052	Data Ware housing and Mining	27	53	3
16VV5A1266	RT32053	Computer Networks	26	51	3

Htno	Subcode	Subname	Internal	External	Credits
16VV5A1266	RT32054	Design and Analysis of Algorithms	23	64	3
16VV5A1266	RT32055	Web Technologies	22	51	3
16VV5A1266	RT32056	IPR and Patents	24	47	2
16VV5A1266	RT32121	Software Testing	26	51	3
16VV5A1266	RT32127	Computer Networks and Network Programming L	23	48	2
16VV5A1266	RT32128	Software Testing Lab	25	48	2
16VV5A1266	RT32129	Web Technologies Lab	21	43	2
16VV5A3131	MT321	Composites	21	50	3
16VV5A3131	MT322	Steel Making	26	54	3
16VV5A3131	MT323	Mechanical Metallurgy	25	48	3
16VV5A3131	MT324	Welding Technology	27	50	3
16VV5A3131	MT325	Heat Treatment Technology	27	56	3
16VV5A3131	MT326	Welding Technology Lab	23	38	2
16VV5A3131	MT327	Heat Treatment Technology Lab	25	42	2
16VV5A3131	MT328	Mechanical Metallurgy Lab	19	40	2
16VV5A3132	MT321	Composites	23	50	3
16VV5A3132	MT322	Steel Making	25	56	3
16VV5A3132	MT323	Mechanical Metallurgy	27	54	3
16VV5A3132	MT324	Welding Technology	22	46	3
16VV5A3132	MT325	Heat Treatment Technology	24	58	3
16VV5A3132	MT326	Welding Technology Lab	23	37	2
16VV5A3132	MT327	Heat Treatment Technology Lab	22	40	2
16VV5A3132	MT328	Mechanical Metallurgy Lab	22	44	2
16VV5A3133	MT321	Composites	14	50	3
16VV5A3133	MT322	Steel Making	24	58	3
16VV5A3133	MT323	Mechanical Metallurgy	25	52	3
16VV5A3133	MT324	Welding Technology	15	58	3
16VV5A3133	MT325	Heat Treatment Technology	27	60	3
16VV5A3133	MT326	Welding Technology Lab	15	37	2
16VV5A3133	MT327	Heat Treatment Technology Lab	23	45	2
16VV5A3133	MT328	Mechanical Metallurgy Lab	21	44	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 Roo

Date:30-08-2018

Controller of Examinations