



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of III B.Tech II Semester (R19/R20) Regular / Supplementary Examinations, July-2023

College name: ANDHRA LOYOLA INSTT OF ENGG AND TECHNOLOGY, VIJAYAWADA:HP

Htno	Subcode	Subname	Internals	Grade	Credits
19HP1A0106	R1932014	MANAGERIAL ECONOMICS & FINANCIAL ANALYSI	18	C	3
19HP1A0114	R1932013	GEOTECHNICAL ENGINEERING-I	13	F	0
19HP1A0115	R1932011	DESIGN & DRAWING OF REINFORCED CONCRETE	3	F	0
19HP1A0115	R1932013	GEOTECHNICAL ENGINEERING-I	12	F	0
19HP1A0119	R1932013	GEOTECHNICAL ENGINEERING-I	20	C	3
19HP1A0123	R1932011	DESIGN & DRAWING OF REINFORCED CONCRETE	3	F	0
19HP1A0123	R1932012	WATER RESOURCES ENGINEERING-II	12	F	0
19HP1A0123	R1932013	GEOTECHNICAL ENGINEERING-I	13	ABSENT	0
19HP1A0123	R1932014	MANAGERIAL ECONOMICS & FINANCIAL ANALYSI	12	F	0
19HP1A0123	R193201B	WATERSHED MANAGEMENT	11	ABSENT	0
19HP1A0123	R193201H	ELEMENTS OF CIVIL ENGINEERING	10	F	0
19HP1A0124	R1932012	WATER RESOURCES ENGINEERING-II	8	D	3
19HP1A0136	R1932013	GEOTECHNICAL ENGINEERING-I	14	F	0
19HP1A0137	R1932011	DESIGN & DRAWING OF REINFORCED CONCRETE	3	F	0
19HP1A0137	R1932012	WATER RESOURCES ENGINEERING-II	11	D	3
19HP1A0137	R1932013	GEOTECHNICAL ENGINEERING-I	13	ABSENT	0
19HP1A0137	R1932014	MANAGERIAL ECONOMICS & FINANCIAL ANALYSI	10	D	3
19HP1A0137	R193201H	ELEMENTS OF CIVIL ENGINEERING	9	C	3
19HP1A0202	R1932021	ELECTRIC DRIVES	14	F	0
19HP1A0202	R1932022	POWER SYSTEM ANALYSIS	15	F	0
19HP1A0202	R1932023	DATA STRUCTURES	16	F	0
19HP1A0202	R1932024	DIGITAL CONTROL SYSTEMS	22	F	0
19HP1A0202	R193202A	DIGITAL IC APPLICATIONS	13	F	0
19HP1A0202	R193204I	ARTIFICIAL NEURAL NETWORKS	10	F	0
19HP1A0209	R1932022	POWER SYSTEM ANALYSIS	14	ABSENT	0
19HP1A0209	R1932024	DIGITAL CONTROL SYSTEMS	17	ABSENT	0
19HP1A0214	R1932022	POWER SYSTEM ANALYSIS	16	D	3
19HP1A0214	R193202A	DIGITAL IC APPLICATIONS	7	F	0
19HP1A0215	R1932022	POWER SYSTEM ANALYSIS	13	F	0
19HP1A0215	R193202A	DIGITAL IC APPLICATIONS	10	F	0
19HP1A0215	R193204I	ARTIFICIAL NEURAL NETWORKS	14	D	3
19HP1A0218	R193202A	DIGITAL IC APPLICATIONS	11	D	3
19HP1A0218	R193204I	ARTIFICIAL NEURAL NETWORKS	11	C	3
19HP1A0227	R1932022	POWER SYSTEM ANALYSIS	13	D	3
19HP1A0227	R1932023	DATA STRUCTURES	14	F	0
19HP1A0227	R1932024	DIGITAL CONTROL SYSTEMS	20	C	3
19HP1A0227	R193202A	DIGITAL IC APPLICATIONS	10	F	0
19HP1A0227	R193204I	ARTIFICIAL NEURAL NETWORKS	11	D	3
19HP1A0228	R1932022	POWER SYSTEM ANALYSIS	11	C	3
19HP1A0228	R1932023	DATA STRUCTURES	14	D	3
19HP1A0228	R193202A	DIGITAL IC APPLICATIONS	9	F	0
19HP1A0228	R193204I	ARTIFICIAL NEURAL NETWORKS	11	C	3
19HP1A0229	R1932023	DATA STRUCTURES	15	D	3
19HP1A0229	R193202A	DIGITAL IC APPLICATIONS	12	F	0
19HP1A0230	R1932023	DATA STRUCTURES	17	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
19HP1A0230	R193202A	DIGITAL IC APPLICATIONS	10	F	0
19HP1A0231	R1932022	POWER SYSTEM ANALYSIS	13	D	3
19HP1A0231	R1932023	DATA STRUCTURES	14	F	0
19HP1A0231	R1932024	DIGITAL CONTROL SYSTEMS	20	D	3
19HP1A0231	R193202A	DIGITAL IC APPLICATIONS	9	F	0
19HP1A0231	R193204I	ARTIFICIAL NEURAL NETWORKS	13	F	0
19HP1A0234	R1932021	ELECTRIC DRIVES	12	ABSENT	0
19HP1A0234	R1932022	POWER SYSTEM ANALYSIS	19	ABSENT	0
19HP1A0234	R1932023	DATA STRUCTURES	19	ABSENT	0
19HP1A0234	R1932024	DIGITAL CONTROL SYSTEMS	20	ABSENT	0
19HP1A0234	R1932025	POWER ELECTRONICS LABORATORY	10	B	1.5
19HP1A0234	R1932026	MICROPROCESSORS & MICROCONTROLLERS LABOR	10	F	0
19HP1A0234	R1932027	EMPLOYABILITY SKILLS	0	COMPLE	0
19HP1A0234	R193202A	DIGITAL IC APPLICATIONS	20	ABSENT	0
19HP1A0234	R193204I	ARTIFICIAL NEURAL NETWORKS	19	ABSENT	0
19HP1A0236	R1932024	DIGITAL CONTROL SYSTEMS	23	C	3
19HP1A0238	R1932023	DATA STRUCTURES	17	D	3
19HP1A0239	R1932024	DIGITAL CONTROL SYSTEMS	18	D	3
19HP1A0302	R1932033	CAD/CAM	11	F	0
19HP1A0302	R193203I	MECHATRONICS	11	D	3
19HP1A0305	R1932031	OPERATIONS RESEARCH	13	ABSENT	0
19HP1A0305	R1932032	HEAT TRANSFER	13	F	0
19HP1A0305	R1932033	CAD/CAM	15	F	0
19HP1A0305	R193203C	UNCONVENTIONAL MACHINING PROCESSES	14	F	0
19HP1A0305	R193203I	MECHATRONICS	8	ABSENT	0
19HP1A0306	R1932032	HEAT TRANSFER	16	C	3
19HP1A0307	R1932032	HEAT TRANSFER	17	C	3
19HP1A0308	R1932031	OPERATIONS RESEARCH	12	F	0
19HP1A0308	R1932032	HEAT TRANSFER	13	F	0
19HP1A0308	R193203I	MECHATRONICS	13	F	0
19HP1A0309	R1932031	OPERATIONS RESEARCH	11	ABSENT	0
19HP1A0309	R1932032	HEAT TRANSFER	15	ABSENT	0
19HP1A0309	R1932033	CAD/CAM	13	ABSENT	0
19HP1A0309	R193203I	MECHATRONICS	14	ABSENT	0
19HP1A0310	R1932032	HEAT TRANSFER	16	C	3
19HP1A0310	R1932033	CAD/CAM	19	B	3
19HP1A0311	R1932032	HEAT TRANSFER	14	F	0
19HP1A0311	R193203I	MECHATRONICS	10	F	0
19HP1A0312	R1932032	HEAT TRANSFER	15	C	3
19HP1A0313	R193203I	MECHATRONICS	10	D	3
19HP1A0315	R1932032	HEAT TRANSFER	16	F	0
19HP1A0315	R1932033	CAD/CAM	10	D	3
19HP1A0315	R1932034	SIMULATION OF MECHANICAL SYSTEMS LAB	9	B	1
19HP1A0315	R193203I	MECHATRONICS	7	F	0
19HP1A0317	R1932032	HEAT TRANSFER	13	ABSENT	0
19HP1A0317	R1932033	CAD/CAM	9	ABSENT	0
19HP1A0317	R1932034	SIMULATION OF MECHANICAL SYSTEMS LAB	6	ABSENT	0
19HP1A0317	R193203C	UNCONVENTIONAL MACHINING PROCESSES	10	ABSENT	0
19HP1A0317	R193203I	MECHATRONICS	5	ABSENT	0
19HP1A0319	R1932032	HEAT TRANSFER	13	C	3
19HP1A0319	R1932034	SIMULATION OF MECHANICAL SYSTEMS LAB	9	A	1

Htno	Subcode	Subname	Internals	Grade	Credits
19HP1A0322	R1932032	HEAT TRANSFER	15	C	3
19HP1A0323	R1932031	OPERATIONS RESEARCH	13	F	0
19HP1A0323	R1932032	HEAT TRANSFER	14	F	0
19HP1A0323	R1932033	CAD/CAM	10	F	0
19HP1A0323	R193203C	UNCONVENTIONAL MACHINING PROCESSES	13	D	3
19HP1A0323	R193203I	MECHATRONICS	8	F	0
19HP1A0326	R1932031	OPERATIONS RESEARCH	16	F	0
19HP1A0326	R1932032	HEAT TRANSFER	16	F	0
19HP1A0326	R193203I	MECHATRONICS	7	F	0
19HP1A0327	R1932032	HEAT TRANSFER	15	F	0
19HP1A0329	R1932031	OPERATIONS RESEARCH	8	F	0
19HP1A0329	R1932032	HEAT TRANSFER	13	F	0
19HP1A0329	R1932033	CAD/CAM	8	F	0
19HP1A0329	R1932034	SIMULATION OF MECHANICAL SYSTEMS LAB	8	A	1
19HP1A0329	R193203C	UNCONVENTIONAL MACHINING PROCESSES	9	F	0
19HP1A0329	R193203I	MECHATRONICS	5	ABSENT	0
19HP1A0332	R1932031	OPERATIONS RESEARCH	12	F	0
19HP1A0332	R1932032	HEAT TRANSFER	15	D	3
19HP1A0332	R1932033	CAD/CAM	13	F	0
19HP1A0332	R193203C	UNCONVENTIONAL MACHINING PROCESSES	13	F	0
19HP1A0332	R193203I	MECHATRONICS	5	F	0
19HP1A0333	R1932031	OPERATIONS RESEARCH	13	F	0
19HP1A0333	R1932032	HEAT TRANSFER	12	F	0
19HP1A0333	R1932033	CAD/CAM	9	F	0
19HP1A0333	R193203C	UNCONVENTIONAL MACHINING PROCESSES	9	F	0
19HP1A0333	R193203I	MECHATRONICS	7	F	0
19HP1A0335	R1932032	HEAT TRANSFER	15	C	3
19HP1A0338	R1932032	HEAT TRANSFER	13	F	0
19HP1A0341	R1932032	HEAT TRANSFER	16	C	3
19HP1A0411	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	12	F	0
19HP1A0432	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	12	C	3
19HP1A0436	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	12	D	3
19HP1A0436	R1932043	DIGITAL SIGNAL PROCESSING	12	D	3
19HP1A0443	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	10	D	3
19HP1A0443	R1932043	DIGITAL SIGNAL PROCESSING	13	F	0
19HP1A0447	R1932043	DIGITAL SIGNAL PROCESSING	12	D	3
19HP1A0450	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	11	D	3
19HP1A0450	R1932043	DIGITAL SIGNAL PROCESSING	13	F	0
19HP1A0463	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	12	D	3
19HP1A0463	R1932043	DIGITAL SIGNAL PROCESSING	12	ABSENT	0
19HP1A0471	R193202G	RENEWABLE ENERGY SOURCES (EXCEPT EEE)	17	D	3
19HP1A0471	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	10	F	0
19HP1A0471	R1932043	DIGITAL SIGNAL PROCESSING	13	F	0
19HP1A0486	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	8	F	0
19HP1A0486	R1932043	DIGITAL SIGNAL PROCESSING	15	F	0
19HP1A0496	R1932043	DIGITAL SIGNAL PROCESSING	14	F	0
19HP1A04A1	R1932041	WIRED AND WIRELESS TRANSMISSION DEVICES	12	D	3
19HP1A04A1	R1932043	DIGITAL SIGNAL PROCESSING	15	D	3
19HP1A0544	R193201G	ENVIRONMENTAL POLLUTION & CONTROL	11	ABSENT	0
19HP1A0544	R1932051	WEB TECHNOLOGIES	13	F	0
19HP1A0544	R1932052	DISTRIBUTED SYSTEMS	11	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
19HP1A0544	R1932053	DESIGN AND ANALYSIS OF ALGORITHMS	10	F	0
19HP1A0544	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	13	F	0
19HP1A0545	R1932052	DISTRIBUTED SYSTEMS	16	ABSENT	0
19HP1A0549	R1932051	WEB TECHNOLOGIES	19	D	3
19HP1A0549	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	20	F	0
19HP1A0556	R193205D	MOOCS (NPTEL/SWAYAM)	0	B	3
19HP1A0557	R1932051	WEB TECHNOLOGIES	21	A	3
19HP1A0563	R1932052	DISTRIBUTED SYSTEMS	17	F	0
19HP1A0563	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	20	F	0
19HP1A0570	R193205D	MOOCS (NPTEL/SWAYAM)	0	B	3
19HP1A0571	R193205D	MOOCS (NPTEL/SWAYAM)	0	B	3
19HP1A0572	R1932051	WEB TECHNOLOGIES	15	F	0
19HP1A0572	R1932052	DISTRIBUTED SYSTEMS	13	F	0
19HP1A0572	R1932053	DESIGN AND ANALYSIS OF ALGORITHMS	18	D	3
19HP1A0582	R193205D	MOOCS (NPTEL/SWAYAM)	0	C	3
19HP1A0592	R193205D	MOOCS (NPTEL/SWAYAM)	0	A	3
19HP1A0599	R1932051	WEB TECHNOLOGIES	21	B	3
19HP1A05C1	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	23	ABSENT	0
19HP1A1210	R193201G	ENVIRONMENTAL POLLUTION & CONTROL	14	F	0
19HP1A1210	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	15	D	3
19HP1A1211	R193212D	MOOCS (NPTEL/SWAYAM)	0	B	3
19HP1A1229	R1932051	WEB TECHNOLOGIES	17	ABSENT	0
19HP1A1238	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	18	C	3
19HP1A1238	R1932121	DATA WAREHOUSING AND DATA MINING	19	F	0
19HP1A1241	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	19	F	0
19HP1A1242	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	19	F	0
19HP1A1242	R1932121	DATA WAREHOUSING AND DATA MINING	14	F	0
19HP1A1248	R1932051	WEB TECHNOLOGIES	21	F	0
19HP1A1248	R1932054	MANAGERIAL ECONOMICS AND FINANCIAL ACCOU	23	F	0
19HP1A1248	R1932121	DATA WAREHOUSING AND DATA MINING	18	F	0
20HP1A0101	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	14	A	3
20HP1A0101	R2032012	WATER RESOURCE ENGINEERING	14	E	3
20HP1A0101	R2032013	GEOTECHNICAL ENGINEERING-II	17	E	3
20HP1A0101	R2032014	ESTIMATION COSTING AND CONTRACTS	9	B	1.5
20HP1A0101	R2032015	REMOTE SENSING & GIS LAB	10	B	1.5
20HP1A0101	R2032016	CIVIL ENGINEERING PRACTICE	8	C	1.5
20HP1A0101	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0101	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0101	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0101	R203201K	REMOTE SENSING AND GIS	16	E	3
20HP1A0102	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	13	D	3
20HP1A0102	R2032012	WATER RESOURCE ENGINEERING	17	C	3
20HP1A0102	R2032013	GEOTECHNICAL ENGINEERING-II	20	B	3
20HP1A0102	R2032014	ESTIMATION COSTING AND CONTRACTS	11	A	1.5
20HP1A0102	R2032015	REMOTE SENSING & GIS LAB	13	A	1.5
20HP1A0102	R2032016	CIVIL ENGINEERING PRACTICE	13	A	1.5
20HP1A0102	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0102	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	20	COMPLE	0
20HP1A0102	R203201D	TRAFFIC ENGINEERING	19	D	3
20HP1A0102	R203201K	REMOTE SENSING AND GIS	23	E	3
20HP1A0103	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	14	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0103	R2032012	WATER RESOURCE ENGINEERING	14	D	3
20HP1A0103	R2032013	GEOTECHNICAL ENGINEERING-II	22	C	3
20HP1A0103	R2032014	ESTIMATION COSTING AND CONTRACTS	9	A	1.5
20HP1A0103	R2032015	REMOTE SENSING & GIS LAB	13	A	1.5
20HP1A0103	R2032016	CIVIL ENGINEERING PRACTICE	13	A	1.5
20HP1A0103	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0103	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
20HP1A0103	R203201D	TRAFFIC ENGINEERING	20	D	3
20HP1A0103	R203201K	REMOTE SENSING AND GIS	21	F	0
20HP1A0104	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	14	C	3
20HP1A0104	R2032012	WATER RESOURCE ENGINEERING	17	C	3
20HP1A0104	R2032013	GEOTECHNICAL ENGINEERING-II	19	B	3
20HP1A0104	R2032014	ESTIMATION COSTING AND CONTRACTS	10	A	1.5
20HP1A0104	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
20HP1A0104	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
20HP1A0104	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0104	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0104	R203201D	TRAFFIC ENGINEERING	16	D	3
20HP1A0104	R203201K	REMOTE SENSING AND GIS	21	D	3
20HP1A0105	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	14	D	3
20HP1A0105	R2032012	WATER RESOURCE ENGINEERING	17	E	3
20HP1A0105	R2032013	GEOTECHNICAL ENGINEERING-II	19	E	3
20HP1A0105	R2032014	ESTIMATION COSTING AND CONTRACTS	10	B	1.5
20HP1A0105	R2032015	REMOTE SENSING & GIS LAB	12	B	1.5
20HP1A0105	R2032016	CIVIL ENGINEERING PRACTICE	12	B	1.5
20HP1A0105	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
20HP1A0105	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	20	COMPLE	0
20HP1A0105	R203201D	TRAFFIC ENGINEERING	17	E	3
20HP1A0105	R203201K	REMOTE SENSING AND GIS	17	E	3
20HP1A0106	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	13	C	3
20HP1A0106	R2032012	WATER RESOURCE ENGINEERING	19	D	3
20HP1A0106	R2032013	GEOTECHNICAL ENGINEERING-II	18	D	3
20HP1A0106	R2032014	ESTIMATION COSTING AND CONTRACTS	8	C	1.5
20HP1A0106	R2032015	REMOTE SENSING & GIS LAB	14	A+	1.5
20HP1A0106	R2032016	CIVIL ENGINEERING PRACTICE	13	A	1.5
20HP1A0106	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
20HP1A0106	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0106	R203201D	TRAFFIC ENGINEERING	20	D	3
20HP1A0106	R203201K	REMOTE SENSING AND GIS	20	E	3
20HP1A0107	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	12	D	3
20HP1A0107	R2032012	WATER RESOURCE ENGINEERING	17	D	3
20HP1A0107	R2032013	GEOTECHNICAL ENGINEERING-II	16	D	3
20HP1A0107	R2032014	ESTIMATION COSTING AND CONTRACTS	10	C	1.5
20HP1A0107	R2032015	REMOTE SENSING & GIS LAB	10	B	1.5
20HP1A0107	R2032016	CIVIL ENGINEERING PRACTICE	8	C	1.5
20HP1A0107	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0107	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	21	COMPLE	0
20HP1A0107	R203201D	TRAFFIC ENGINEERING	18	D	3
20HP1A0107	R203201K	REMOTE SENSING AND GIS	20	F	0
20HP1A0109	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	22	C	3
20HP1A0109	R2032012	WATER RESOURCE ENGINEERING	13	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0109	R2032013	GEOTECHNICAL ENGINEERING-II	13	E	3
20HP1A0109	R2032014	ESTIMATION COSTING AND CONTRACTS	13	B	1.5
20HP1A0109	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0109	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
20HP1A0109	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0109	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0109	R203201D	TRAFFIC ENGINEERING	16	E	3
20HP1A0109	R203201K	REMOTE SENSING AND GIS	12	F	0
20HP1A0110	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	10	A	3
20HP1A0110	R2032012	WATER RESOURCE ENGINEERING	12	E	3
20HP1A0110	R2032013	GEOTECHNICAL ENGINEERING-II	13	F	0
20HP1A0110	R2032014	ESTIMATION COSTING AND CONTRACTS	10	C	1.5
20HP1A0110	R2032015	REMOTE SENSING & GIS LAB	9	B	1.5
20HP1A0110	R2032016	CIVIL ENGINEERING PRACTICE	9	B	1.5
20HP1A0110	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0110	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	21	COMPLE	0
20HP1A0110	R203201D	TRAFFIC ENGINEERING	14	D	3
20HP1A0110	R203201K	REMOTE SENSING AND GIS	9	F	0
20HP1A0111	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	8	F	0
20HP1A0111	R2032012	WATER RESOURCE ENGINEERING	12	E	3
20HP1A0111	R2032013	GEOTECHNICAL ENGINEERING-II	13	E	3
20HP1A0111	R2032014	ESTIMATION COSTING AND CONTRACTS	9	D	1.5
20HP1A0111	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0111	R2032016	CIVIL ENGINEERING PRACTICE	9	B	1.5
20HP1A0111	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0111	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
20HP1A0111	R203201D	TRAFFIC ENGINEERING	14	E	3
20HP1A0111	R203201K	REMOTE SENSING AND GIS	12	F	0
20HP1A0112	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	8	E	3
20HP1A0112	R2032012	WATER RESOURCE ENGINEERING	13	F	0
20HP1A0112	R2032013	GEOTECHNICAL ENGINEERING-II	14	F	0
20HP1A0112	R2032014	ESTIMATION COSTING AND CONTRACTS	9	B	1.5
20HP1A0112	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0112	R2032016	CIVIL ENGINEERING PRACTICE	9	C	1.5
20HP1A0112	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0112	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0112	R203201D	TRAFFIC ENGINEERING	13	F	0
20HP1A0112	R203201K	REMOTE SENSING AND GIS	12	F	0
20HP1A0113	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	22	D	3
20HP1A0113	R2032012	WATER RESOURCE ENGINEERING	13	F	0
20HP1A0113	R2032013	GEOTECHNICAL ENGINEERING-II	14	F	0
20HP1A0113	R2032014	ESTIMATION COSTING AND CONTRACTS	9	C	1.5
20HP1A0113	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
20HP1A0113	R2032016	CIVIL ENGINEERING PRACTICE	9	C	1.5
20HP1A0113	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0113	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	21	COMPLE	0
20HP1A0113	R203201D	TRAFFIC ENGINEERING	16	E	3
20HP1A0113	R203201K	REMOTE SENSING AND GIS	14	E	3
20HP1A0114	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	8	B	3
20HP1A0114	R2032012	WATER RESOURCE ENGINEERING	11	E	3
20HP1A0114	R2032013	GEOTECHNICAL ENGINEERING-II	9	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0114	R2032014	ESTIMATION COSTING AND CONTRACTS	12	C	1.5
20HP1A0114	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0114	R2032016	CIVIL ENGINEERING PRACTICE	6	E	1.5
20HP1A0114	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0114	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0114	R203201D	TRAFFIC ENGINEERING	16	E	3
20HP1A0114	R203201K	REMOTE SENSING AND GIS	12	F	0
20HP1A0115	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	9	C	3
20HP1A0115	R2032012	WATER RESOURCE ENGINEERING	11	D	3
20HP1A0115	R2032013	GEOTECHNICAL ENGINEERING-II	19	D	3
20HP1A0115	R2032014	ESTIMATION COSTING AND CONTRACTS	11	C	1.5
20HP1A0115	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0115	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
20HP1A0115	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0115	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0115	R203201D	TRAFFIC ENGINEERING	13	E	3
20HP1A0115	R203201K	REMOTE SENSING AND GIS	11	F	0
20HP1A0116	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	24	C	3
20HP1A0116	R2032012	WATER RESOURCE ENGINEERING	17	E	3
20HP1A0116	R2032013	GEOTECHNICAL ENGINEERING-II	24	C	3
20HP1A0116	R2032014	ESTIMATION COSTING AND CONTRACTS	12	A	1.5
20HP1A0116	R2032015	REMOTE SENSING & GIS LAB	14	A	1.5
20HP1A0116	R2032016	CIVIL ENGINEERING PRACTICE	14	A	1.5
20HP1A0116	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0116	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
20HP1A0116	R203201D	TRAFFIC ENGINEERING	17	E	3
20HP1A0116	R203201K	REMOTE SENSING AND GIS	16	E	3
20HP1A0118	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	22	C	3
20HP1A0118	R2032012	WATER RESOURCE ENGINEERING	16	E	3
20HP1A0118	R2032013	GEOTECHNICAL ENGINEERING-II	19	C	3
20HP1A0118	R2032014	ESTIMATION COSTING AND CONTRACTS	12	A	1.5
20HP1A0118	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0118	R2032016	CIVIL ENGINEERING PRACTICE	10	A	1.5
20HP1A0118	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0118	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0118	R203201D	TRAFFIC ENGINEERING	17	D	3
20HP1A0118	R203201K	REMOTE SENSING AND GIS	12	E	3
20HP1A0119	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	24	C	3
20HP1A0119	R2032012	WATER RESOURCE ENGINEERING	18	E	3
20HP1A0119	R2032013	GEOTECHNICAL ENGINEERING-II	19	D	3
20HP1A0119	R2032014	ESTIMATION COSTING AND CONTRACTS	9	B	1.5
20HP1A0119	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
20HP1A0119	R2032016	CIVIL ENGINEERING PRACTICE	10	A	1.5
20HP1A0119	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0119	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
20HP1A0119	R203201D	TRAFFIC ENGINEERING	18	D	3
20HP1A0119	R203201K	REMOTE SENSING AND GIS	19	F	0
20HP1A0120	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	10	E	3
20HP1A0120	R2032012	WATER RESOURCE ENGINEERING	17	D	3
20HP1A0120	R2032013	GEOTECHNICAL ENGINEERING-II	19	B	3
20HP1A0120	R2032014	ESTIMATION COSTING AND CONTRACTS	13	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0120	R2032015	REMOTE SENSING & GIS LAB	13	A	1.5
20HP1A0120	R2032016	CIVIL ENGINEERING PRACTICE	9	B	1.5
20HP1A0120	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0120	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	25	COMPLE	0
20HP1A0120	R203201D	TRAFFIC ENGINEERING	19	D	3
20HP1A0120	R203201K	REMOTE SENSING AND GIS	16	E	3
20HP1A0121	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	13	F	0
20HP1A0121	R2032012	WATER RESOURCE ENGINEERING	15	F	0
20HP1A0121	R2032013	GEOTECHNICAL ENGINEERING-II	17	D	3
20HP1A0121	R2032014	ESTIMATION COSTING AND CONTRACTS	14	B	1.5
20HP1A0121	R2032015	REMOTE SENSING & GIS LAB	9	C	1.5
20HP1A0121	R2032016	CIVIL ENGINEERING PRACTICE	8	C	1.5
20HP1A0121	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0121	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	21	COMPLE	0
20HP1A0121	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0121	R203201K	REMOTE SENSING AND GIS	15	F	0
20HP1A0122	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	22	E	3
20HP1A0122	R2032012	WATER RESOURCE ENGINEERING	18	D	3
20HP1A0122	R2032013	GEOTECHNICAL ENGINEERING-II	18	D	3
20HP1A0122	R2032014	ESTIMATION COSTING AND CONTRACTS	10	B	1.5
20HP1A0122	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0122	R2032016	CIVIL ENGINEERING PRACTICE	9	C	1.5
20HP1A0122	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0122	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	21	COMPLE	0
20HP1A0122	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0122	R203201K	REMOTE SENSING AND GIS	15	E	3
20HP1A0123	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	8	D	3
20HP1A0123	R2032012	WATER RESOURCE ENGINEERING	18	E	3
20HP1A0123	R2032013	GEOTECHNICAL ENGINEERING-II	18	D	3
20HP1A0123	R2032014	ESTIMATION COSTING AND CONTRACTS	10	B	1.5
20HP1A0123	R2032015	REMOTE SENSING & GIS LAB	9	C	1.5
20HP1A0123	R2032016	CIVIL ENGINEERING PRACTICE	9	B	1.5
20HP1A0123	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0123	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0123	R203201D	TRAFFIC ENGINEERING	17	E	3
20HP1A0123	R203201K	REMOTE SENSING AND GIS	14	F	0
20HP1A0124	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	19	E	3
20HP1A0124	R2032012	WATER RESOURCE ENGINEERING	14	E	3
20HP1A0124	R2032013	GEOTECHNICAL ENGINEERING-II	15	E	3
20HP1A0124	R2032014	ESTIMATION COSTING AND CONTRACTS	3	C	1.5
20HP1A0124	R2032015	REMOTE SENSING & GIS LAB	3	D	1.5
20HP1A0124	R2032016	CIVIL ENGINEERING PRACTICE	8	C	1.5
20HP1A0124	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	C	2
20HP1A0124	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0124	R203201D	TRAFFIC ENGINEERING	14	E	3
20HP1A0124	R203201K	REMOTE SENSING AND GIS	16	F	0
20HP1A0126	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	8	E	3
20HP1A0126	R2032012	WATER RESOURCE ENGINEERING	11	F	0
20HP1A0126	R2032013	GEOTECHNICAL ENGINEERING-II	15	D	3
20HP1A0126	R2032014	ESTIMATION COSTING AND CONTRACTS	9	C	1.5
20HP1A0126	R2032015	REMOTE SENSING & GIS LAB	11	C	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0126	R2032016	CIVIL ENGINEERING PRACTICE	8	C	1.5
20HP1A0126	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0126	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	20	COMPLE	0
20HP1A0126	R203201D	TRAFFIC ENGINEERING	13	E	3
20HP1A0126	R203201K	REMOTE SENSING AND GIS	13	E	3
20HP1A0127	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	21	F	0
20HP1A0127	R2032012	WATER RESOURCE ENGINEERING	15	D	3
20HP1A0127	R2032013	GEOTECHNICAL ENGINEERING-II	16	E	3
20HP1A0127	R2032014	ESTIMATION COSTING AND CONTRACTS	9	C	1.5
20HP1A0127	R2032015	REMOTE SENSING & GIS LAB	10	C	1.5
20HP1A0127	R2032016	CIVIL ENGINEERING PRACTICE	8	C	1.5
20HP1A0127	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0127	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	20	COMPLE	0
20HP1A0127	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0127	R203201K	REMOTE SENSING AND GIS	17	E	3
20HP1A0128	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	22	C	3
20HP1A0128	R2032012	WATER RESOURCE ENGINEERING	13	E	3
20HP1A0128	R2032013	GEOTECHNICAL ENGINEERING-II	21	D	3
20HP1A0128	R2032014	ESTIMATION COSTING AND CONTRACTS	12	B	1.5
20HP1A0128	R2032015	REMOTE SENSING & GIS LAB	10	C	1.5
20HP1A0128	R2032016	CIVIL ENGINEERING PRACTICE	12	A	1.5
20HP1A0128	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0128	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
20HP1A0128	R203201D	TRAFFIC ENGINEERING	16	E	3
20HP1A0128	R203201K	REMOTE SENSING AND GIS	16	E	3
20HP1A0129	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	9	D	3
20HP1A0129	R2032012	WATER RESOURCE ENGINEERING	16	D	3
20HP1A0129	R2032013	GEOTECHNICAL ENGINEERING-II	16	D	3
20HP1A0129	R2032014	ESTIMATION COSTING AND CONTRACTS	12	A	1.5
20HP1A0129	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0129	R2032016	CIVIL ENGINEERING PRACTICE	9	C	1.5
20HP1A0129	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0129	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0129	R203201D	TRAFFIC ENGINEERING	21	D	3
20HP1A0129	R203201K	REMOTE SENSING AND GIS	20	D	3
20HP1A0130	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	14	E	3
20HP1A0130	R2032012	WATER RESOURCE ENGINEERING	14	F	0
20HP1A0130	R2032013	GEOTECHNICAL ENGINEERING-II	19	F	0
20HP1A0130	R2032014	ESTIMATION COSTING AND CONTRACTS	13	B	1.5
20HP1A0130	R2032015	REMOTE SENSING & GIS LAB	10	B	1.5
20HP1A0130	R2032016	CIVIL ENGINEERING PRACTICE	8	B	1.5
20HP1A0130	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0130	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0130	R203201D	TRAFFIC ENGINEERING	13	E	3
20HP1A0130	R203201K	REMOTE SENSING AND GIS	17	F	0
20HP1A0131	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	10	F	0
20HP1A0131	R2032012	WATER RESOURCE ENGINEERING	13	F	0
20HP1A0131	R2032013	GEOTECHNICAL ENGINEERING-II	15	C	3
20HP1A0131	R2032014	ESTIMATION COSTING AND CONTRACTS	13	B	1.5
20HP1A0131	R2032015	REMOTE SENSING & GIS LAB	10	C	1.5
20HP1A0131	R2032016	CIVIL ENGINEERING PRACTICE	9	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0131	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0131	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	21	COMPLE	0
20HP1A0131	R203201D	TRAFFIC ENGINEERING	16	D	3
20HP1A0131	R203201K	REMOTE SENSING AND GIS	15	F	0
20HP1A0132	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	25	A+	3
20HP1A0132	R2032012	WATER RESOURCE ENGINEERING	17	D	3
20HP1A0132	R2032013	GEOTECHNICAL ENGINEERING-II	21	D	3
20HP1A0132	R2032014	ESTIMATION COSTING AND CONTRACTS	13	A	1.5
20HP1A0132	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0132	R2032016	CIVIL ENGINEERING PRACTICE	8	B	1.5
20HP1A0132	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0132	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0132	R203201D	TRAFFIC ENGINEERING	16	D	3
20HP1A0132	R203201K	REMOTE SENSING AND GIS	20	E	3
20HP1A0133	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	9	D	3
20HP1A0133	R2032012	WATER RESOURCE ENGINEERING	14	D	3
20HP1A0133	R2032013	GEOTECHNICAL ENGINEERING-II	11	E	3
20HP1A0133	R2032014	ESTIMATION COSTING AND CONTRACTS	11	B	1.5
20HP1A0133	R2032015	REMOTE SENSING & GIS LAB	9	C	1.5
20HP1A0133	R2032016	CIVIL ENGINEERING PRACTICE	8	C	1.5
20HP1A0133	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	C	2
20HP1A0133	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0133	R203201D	TRAFFIC ENGINEERING	16	E	3
20HP1A0133	R203201K	REMOTE SENSING AND GIS	16	E	3
20HP1A0135	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	8	E	3
20HP1A0135	R2032012	WATER RESOURCE ENGINEERING	14	F	0
20HP1A0135	R2032013	GEOTECHNICAL ENGINEERING-II	11	E	3
20HP1A0135	R2032014	ESTIMATION COSTING AND CONTRACTS	8	B	1.5
20HP1A0135	R2032015	REMOTE SENSING & GIS LAB	10	B	1.5
20HP1A0135	R2032016	CIVIL ENGINEERING PRACTICE	9	C	1.5
20HP1A0135	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	C	2
20HP1A0135	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0135	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0135	R203201K	REMOTE SENSING AND GIS	12	E	3
20HP1A0136	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	23	D	3
20HP1A0136	R2032012	WATER RESOURCE ENGINEERING	16	F	0
20HP1A0136	R2032013	GEOTECHNICAL ENGINEERING-II	18	C	3
20HP1A0136	R2032014	ESTIMATION COSTING AND CONTRACTS	8	B	1.5
20HP1A0136	R2032015	REMOTE SENSING & GIS LAB	10	B	1.5
20HP1A0136	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
20HP1A0136	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0136	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
20HP1A0136	R203201D	TRAFFIC ENGINEERING	18	D	3
20HP1A0136	R203201K	REMOTE SENSING AND GIS	19	E	3
20HP1A0137	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	23	B	3
20HP1A0137	R2032012	WATER RESOURCE ENGINEERING	14	C	3
20HP1A0137	R2032013	GEOTECHNICAL ENGINEERING-II	21	D	3
20HP1A0137	R2032014	ESTIMATION COSTING AND CONTRACTS	8	B	1.5
20HP1A0137	R2032015	REMOTE SENSING & GIS LAB	9	C	1.5
20HP1A0137	R2032016	CIVIL ENGINEERING PRACTICE	10	A	1.5
20HP1A0137	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0137	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0137	R203201D	TRAFFIC ENGINEERING	17	E	3
20HP1A0137	R203201K	REMOTE SENSING AND GIS	19	E	3
20HP1A0138	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	23	C	3
20HP1A0138	R2032012	WATER RESOURCE ENGINEERING	15	E	3
20HP1A0138	R2032013	GEOTECHNICAL ENGINEERING-II	16	E	3
20HP1A0138	R2032014	ESTIMATION COSTING AND CONTRACTS	12	B	1.5
20HP1A0138	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0138	R2032016	CIVIL ENGINEERING PRACTICE	13	A	1.5
20HP1A0138	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
20HP1A0138	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0138	R203201D	TRAFFIC ENGINEERING	14	F	0
20HP1A0138	R203201K	REMOTE SENSING AND GIS	17	E	3
20HP1A0140	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	21	C	3
20HP1A0140	R2032012	WATER RESOURCE ENGINEERING	12	F	0
20HP1A0140	R2032013	GEOTECHNICAL ENGINEERING-II	15	E	3
20HP1A0140	R2032014	ESTIMATION COSTING AND CONTRACTS	8	B	1.5
20HP1A0140	R2032015	REMOTE SENSING & GIS LAB	13	A	1.5
20HP1A0140	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
20HP1A0140	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0140	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
20HP1A0140	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0140	R203201K	REMOTE SENSING AND GIS	13	F	0
20HP1A0142	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	22	E	3
20HP1A0142	R2032012	WATER RESOURCE ENGINEERING	16	F	0
20HP1A0142	R2032013	GEOTECHNICAL ENGINEERING-II	16	E	3
20HP1A0142	R2032014	ESTIMATION COSTING AND CONTRACTS	8	B	1.5
20HP1A0142	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0142	R2032016	CIVIL ENGINEERING PRACTICE	12	A	1.5
20HP1A0142	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0142	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0142	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0142	R203201K	REMOTE SENSING AND GIS	22	E	3
20HP1A0143	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	10	F	0
20HP1A0143	R2032012	WATER RESOURCE ENGINEERING	16	E	3
20HP1A0143	R2032013	GEOTECHNICAL ENGINEERING-II	13	F	0
20HP1A0143	R2032014	ESTIMATION COSTING AND CONTRACTS	8	C	1.5
20HP1A0143	R2032015	REMOTE SENSING & GIS LAB	9	C	1.5
20HP1A0143	R2032016	CIVIL ENGINEERING PRACTICE	8	B	1.5
20HP1A0143	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	C	2
20HP1A0143	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0143	R203201D	TRAFFIC ENGINEERING	15	E	3
20HP1A0143	R203201K	REMOTE SENSING AND GIS	17	F	0
20HP1A0145	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	10	E	3
20HP1A0145	R2032012	WATER RESOURCE ENGINEERING	16	D	3
20HP1A0145	R2032013	GEOTECHNICAL ENGINEERING-II	19	F	0
20HP1A0145	R2032014	ESTIMATION COSTING AND CONTRACTS	8	C	1.5
20HP1A0145	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0145	R2032016	CIVIL ENGINEERING PRACTICE	9	C	1.5
20HP1A0145	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0145	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0145	R203201D	TRAFFIC ENGINEERING	16	E	3
20HP1A0145	R203201K	REMOTE SENSING AND GIS	20	E	3
20HP1A0146	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	20	D	3
20HP1A0146	R2032012	WATER RESOURCE ENGINEERING	15	E	3
20HP1A0146	R2032013	GEOTECHNICAL ENGINEERING-II	20	C	3
20HP1A0146	R2032014	ESTIMATION COSTING AND CONTRACTS	13	A	1.5
20HP1A0146	R2032015	REMOTE SENSING & GIS LAB	11	B	1.5
20HP1A0146	R2032016	CIVIL ENGINEERING PRACTICE	11	B	1.5
20HP1A0146	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
20HP1A0146	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
20HP1A0146	R203201D	TRAFFIC ENGINEERING	19	D	3
20HP1A0146	R203201K	REMOTE SENSING AND GIS	18	D	3
20HP1A0201	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	22	F	0
20HP1A0201	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	C	3
20HP1A0201	R2032023	POWER SYSTEM ANALYSIS	15	D	3
20HP1A0201	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0201	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0201	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A	1.5
20HP1A0201	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0201	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0201	R203202B	ELECTRIC DRIVES	18	D	3
20HP1A0201	R203205K	COMPUTER NETWORKS	16	F	0
20HP1A0202	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	D	3
20HP1A0202	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	22	B	3
20HP1A0202	R2032023	POWER SYSTEM ANALYSIS	20	C	3
20HP1A0202	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0202	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A+	1.5
20HP1A0202	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0202	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0202	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0202	R203202B	ELECTRIC DRIVES	19	D	3
20HP1A0202	R203205K	COMPUTER NETWORKS	18	D	3
20HP1A0203	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	24	C	3
20HP1A0203	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	23	B	3
20HP1A0203	R2032023	POWER SYSTEM ANALYSIS	18	C	3
20HP1A0203	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A+	1.5
20HP1A0203	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0203	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0203	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0203	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0203	R203202B	ELECTRIC DRIVES	21	C	3
20HP1A0203	R203205K	COMPUTER NETWORKS	18	D	3
20HP1A0204	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	E	3
20HP1A0204	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	C	3
20HP1A0204	R2032023	POWER SYSTEM ANALYSIS	18	C	3
20HP1A0204	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A+	1.5
20HP1A0204	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	A+	1.5
20HP1A0204	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A	1.5
20HP1A0204	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0204	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0204	R203202B	ELECTRIC DRIVES	19	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0204	R203205K	COMPUTER NETWORKS	19	C	3
20HP1A0205	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	24	D	3
20HP1A0205	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	23	D	3
20HP1A0205	R2032023	POWER SYSTEM ANALYSIS	21	C	3
20HP1A0205	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A	1.5
20HP1A0205	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0205	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0205	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0205	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0205	R203202B	ELECTRIC DRIVES	18	E	3
20HP1A0205	R203205K	COMPUTER NETWORKS	20	E	3
20HP1A0206	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	27	D	3
20HP1A0206	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	C	3
20HP1A0206	R2032023	POWER SYSTEM ANALYSIS	24	B	3
20HP1A0206	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0206	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	A+	1.5
20HP1A0206	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0206	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0206	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0206	R203202B	ELECTRIC DRIVES	23	B	3
20HP1A0206	R203205K	COMPUTER NETWORKS	22	C	3
20HP1A0207	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	C	3
20HP1A0207	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	D	3
20HP1A0207	R2032023	POWER SYSTEM ANALYSIS	22	C	3
20HP1A0207	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0207	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0207	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0207	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0207	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0207	R203202B	ELECTRIC DRIVES	21	C	3
20HP1A0207	R203205K	COMPUTER NETWORKS	24	B	3
20HP1A0208	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	C	3
20HP1A0208	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	E	3
20HP1A0208	R2032023	POWER SYSTEM ANALYSIS	21	D	3
20HP1A0208	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0208	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0208	R2032026	POWER SYSTEMS AND SIMULATION LAB	10	B	1.5
20HP1A0208	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0208	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0208	R203202B	ELECTRIC DRIVES	20	C	3
20HP1A0208	R203205K	COMPUTER NETWORKS	20	D	3
20HP1A0209	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	E	3
20HP1A0209	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	22	D	3
20HP1A0209	R2032023	POWER SYSTEM ANALYSIS	16	E	3
20HP1A0209	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
20HP1A0209	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0209	R2032026	POWER SYSTEMS AND SIMULATION LAB	10	B	1.5
20HP1A0209	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0209	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0209	R203202B	ELECTRIC DRIVES	20	D	3
20HP1A0209	R203205K	COMPUTER NETWORKS	21	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0210	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	17	E	3
20HP1A0210	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	18	D	3
20HP1A0210	R2032023	POWER SYSTEM ANALYSIS	17	E	3
20HP1A0210	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
20HP1A0210	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0210	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
20HP1A0210	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0210	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0210	R203202B	ELECTRIC DRIVES	18	E	3
20HP1A0210	R203205K	COMPUTER NETWORKS	16	E	3
20HP1A0211	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	D	3
20HP1A0211	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	22	F	0
20HP1A0211	R2032023	POWER SYSTEM ANALYSIS	22	D	3
20HP1A0211	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
20HP1A0211	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0211	R2032026	POWER SYSTEMS AND SIMULATION LAB	11	B	1.5
20HP1A0211	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0211	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0211	R203202B	ELECTRIC DRIVES	14	D	3
20HP1A0211	R203205K	COMPUTER NETWORKS	17	E	3
20HP1A0212	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	E	3
20HP1A0212	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	23	F	0
20HP1A0212	R2032023	POWER SYSTEM ANALYSIS	19	E	3
20HP1A0212	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0212	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0212	R2032026	POWER SYSTEMS AND SIMULATION LAB	10	B	1.5
20HP1A0212	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0212	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0212	R203202B	ELECTRIC DRIVES	17	E	3
20HP1A0212	R203205K	COMPUTER NETWORKS	18	F	0
20HP1A0213	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	18	E	3
20HP1A0213	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	18	C	3
20HP1A0213	R2032023	POWER SYSTEM ANALYSIS	23	C	3
20HP1A0213	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0213	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	B	1.5
20HP1A0213	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
20HP1A0213	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0213	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0213	R203202B	ELECTRIC DRIVES	16	F	0
20HP1A0213	R203205K	COMPUTER NETWORKS	20	F	0
20HP1A0215	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	16	E	3
20HP1A0215	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	F	0
20HP1A0215	R2032023	POWER SYSTEM ANALYSIS	16	F	0
20HP1A0215	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	10	B	1.5
20HP1A0215	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	8	E	1.5
20HP1A0215	R2032026	POWER SYSTEMS AND SIMULATION LAB	8	C	1.5
20HP1A0215	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0215	R2032028	RESEARCH METHODOLOGY	18	COMPLE	0
20HP1A0215	R203202B	ELECTRIC DRIVES	11	E	3
20HP1A0215	R203205K	COMPUTER NETWORKS	12	F	0
20HP1A0216	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	18	E	3

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20HP1A0216	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	D	3
20HP1A0216	R2032023	POWER SYSTEM ANALYSIS	17	C	3
20HP1A0216	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	B	1.5
20HP1A0216	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	10	A	1.5
20HP1A0216	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
20HP1A0216	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0216	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0216	R203202B	ELECTRIC DRIVES	18	C	3
20HP1A0216	R203205K	COMPUTER NETWORKS	20	D	3
20HP1A0217	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	19	D	3
20HP1A0217	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	E	3
20HP1A0217	R2032023	POWER SYSTEM ANALYSIS	17	D	3
20HP1A0217	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A	1.5
20HP1A0217	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A	1.5
20HP1A0217	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	B	1.5
20HP1A0217	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0217	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0217	R203202B	ELECTRIC DRIVES	18	E	3
20HP1A0217	R203205K	COMPUTER NETWORKS	18	E	3
20HP1A0220	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	E	3
20HP1A0220	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	C	3
20HP1A0220	R2032023	POWER SYSTEM ANALYSIS	20	C	3
20HP1A0220	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0220	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	A	1.5
20HP1A0220	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	B	1.5
20HP1A0220	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0220	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0220	R203202B	ELECTRIC DRIVES	18	D	3
20HP1A0220	R203205K	COMPUTER NETWORKS	21	E	3
20HP1A0221	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	19	F	0
20HP1A0221	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	E	3
20HP1A0221	R2032023	POWER SYSTEM ANALYSIS	15	E	3
20HP1A0221	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
20HP1A0221	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	D	1.5
20HP1A0221	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	C	1.5
20HP1A0221	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0221	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0221	R203202B	ELECTRIC DRIVES	16	F	0
20HP1A0221	R203205K	COMPUTER NETWORKS	11	E	3
20HP1A0222	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	D	3
20HP1A0222	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	27	D	3
20HP1A0222	R2032023	POWER SYSTEM ANALYSIS	22	C	3
20HP1A0222	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	A	1.5
20HP1A0222	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0222	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	B	1.5
20HP1A0222	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0222	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0222	R203202B	ELECTRIC DRIVES	20	C	3
20HP1A0222	R203205K	COMPUTER NETWORKS	21	D	3
20HP1A0223	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	B	3
20HP1A0223	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	25	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0223	R2032023	POWER SYSTEM ANALYSIS	16	B	3
20HP1A0223	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A	1.5
20HP1A0223	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0223	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A	1.5
20HP1A0223	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0223	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0223	R203202B	ELECTRIC DRIVES	19	C	3
20HP1A0223	R203205K	COMPUTER NETWORKS	22	C	3
20HP1A0225	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	E	3
20HP1A0225	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	19	D	3
20HP1A0225	R2032023	POWER SYSTEM ANALYSIS	15	B	3
20HP1A0225	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	B	1.5
20HP1A0225	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	B	1.5
20HP1A0225	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	D	1.5
20HP1A0225	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0225	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0225	R203202B	ELECTRIC DRIVES	19	D	3
20HP1A0225	R203205K	COMPUTER NETWORKS	11	E	3
20HP1A0226	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	19	E	3
20HP1A0226	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	17	D	3
20HP1A0226	R2032023	POWER SYSTEM ANALYSIS	13	E	3
20HP1A0226	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
20HP1A0226	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0226	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	C	1.5
20HP1A0226	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0226	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0226	R203202B	ELECTRIC DRIVES	18	E	3
20HP1A0226	R203205K	COMPUTER NETWORKS	11	F	0
20HP1A0228	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	12	F	0
20HP1A0228	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	16	F	0
20HP1A0228	R2032023	POWER SYSTEM ANALYSIS	14	F	0
20HP1A0228	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
20HP1A0228	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	B	1.5
20HP1A0228	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	C	1.5
20HP1A0228	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0228	R2032028	RESEARCH METHODOLOGY	18	COMPLE	0
20HP1A0228	R203202B	ELECTRIC DRIVES	16	F	0
20HP1A0228	R203205K	COMPUTER NETWORKS	11	F	0
20HP1A0229	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	14	F	0
20HP1A0229	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	23	F	0
20HP1A0229	R2032023	POWER SYSTEM ANALYSIS	16	E	3
20HP1A0229	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	B	1.5
20HP1A0229	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	A+	1.5
20HP1A0229	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	C	1.5
20HP1A0229	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0229	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0229	R203202B	ELECTRIC DRIVES	14	F	0
20HP1A0229	R203205K	COMPUTER NETWORKS	21	D	3
20HP1A0230	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	E	3
20HP1A0230	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	22	B	3
20HP1A0230	R2032023	POWER SYSTEM ANALYSIS	19	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0230	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	B	1.5
20HP1A0230	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A+	1.5
20HP1A0230	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	B	1.5
20HP1A0230	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0230	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0230	R203202B	ELECTRIC DRIVES	20	D	3
20HP1A0230	R203205K	COMPUTER NETWORKS	23	D	3
20HP1A0231	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	F	0
20HP1A0231	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	F	0
20HP1A0231	R2032023	POWER SYSTEM ANALYSIS	15	F	0
20HP1A0231	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	AB	0
20HP1A0231	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	AB	0
20HP1A0231	R2032026	POWER SYSTEMS AND SIMULATION LAB	0	AB	0
20HP1A0231	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	AB	0
20HP1A0231	R2032028	RESEARCH METHODOLOGY	16	COMPLE	0
20HP1A0231	R203202B	ELECTRIC DRIVES	8	F	0
20HP1A0231	R203205K	COMPUTER NETWORKS	8	F	0
20HP1A0232	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	24	D	3
20HP1A0232	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	C	3
20HP1A0232	R2032023	POWER SYSTEM ANALYSIS	24	B	3
20HP1A0232	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	B	1.5
20HP1A0232	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0232	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	C	1.5
20HP1A0232	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0232	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0232	R203202B	ELECTRIC DRIVES	22	C	3
20HP1A0232	R203205K	COMPUTER NETWORKS	23	C	3
20HP1A0233	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	14	AB	0
20HP1A0233	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	8	AB	0
20HP1A0233	R2032023	POWER SYSTEM ANALYSIS	11	AB	0
20HP1A0233	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	9	AB	0
20HP1A0233	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	6	AB	0
20HP1A0233	R2032026	POWER SYSTEMS AND SIMULATION LAB	6	AB	0
20HP1A0233	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	AB	0
20HP1A0233	R2032028	RESEARCH METHODOLOGY	0	NOT CO	0
20HP1A0233	R203202B	ELECTRIC DRIVES	8	AB	0
20HP1A0233	R203205K	COMPUTER NETWORKS	4	AB	0
20HP1A0234	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	E	3
20HP1A0234	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	D	3
20HP1A0234	R2032023	POWER SYSTEM ANALYSIS	18	D	3
20HP1A0234	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	10	B	1.5
20HP1A0234	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	10	A	1.5
20HP1A0234	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	D	1.5
20HP1A0234	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0234	R2032028	RESEARCH METHODOLOGY	18	COMPLE	0
20HP1A0234	R203202B	ELECTRIC DRIVES	18	D	3
20HP1A0234	R203205K	COMPUTER NETWORKS	18	E	3
20HP1A0235	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	24	D	3
20HP1A0235	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	25	B	3
20HP1A0235	R2032023	POWER SYSTEM ANALYSIS	22	C	3
20HP1A0235	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0235	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0235	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0235	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0235	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0235	R203202B	ELECTRIC DRIVES	24	D	3
20HP1A0235	R203205K	COMPUTER NETWORKS	24	D	3
20HP1A0236	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	D	3
20HP1A0236	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	23	D	3
20HP1A0236	R2032023	POWER SYSTEM ANALYSIS	23	C	3
20HP1A0236	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	10	B	1.5
20HP1A0236	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	10	A	1.5
20HP1A0236	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0236	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0236	R2032028	RESEARCH METHODOLOGY	18	COMPLE	0
20HP1A0236	R203202B	ELECTRIC DRIVES	21	C	3
20HP1A0236	R203205K	COMPUTER NETWORKS	27	D	3
20HP1A0237	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	E	3
20HP1A0237	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	C	3
20HP1A0237	R2032023	POWER SYSTEM ANALYSIS	23	D	3
20HP1A0237	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A	1.5
20HP1A0237	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0237	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
20HP1A0237	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0237	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0237	R203202B	ELECTRIC DRIVES	20	D	3
20HP1A0237	R203205K	COMPUTER NETWORKS	22	D	3
20HP1A0238	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	F	0
20HP1A0238	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	18	E	3
20HP1A0238	R2032023	POWER SYSTEM ANALYSIS	21	E	3
20HP1A0238	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	9	B	1.5
20HP1A0238	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	9	B	1.5
20HP1A0238	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
20HP1A0238	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0238	R2032028	RESEARCH METHODOLOGY	17	COMPLE	0
20HP1A0238	R203202B	ELECTRIC DRIVES	20	E	3
20HP1A0238	R203205K	COMPUTER NETWORKS	16	F	0
20HP1A0239	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	24	C	3
20HP1A0239	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	D	3
20HP1A0239	R2032023	POWER SYSTEM ANALYSIS	23	D	3
20HP1A0239	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	A	1.5
20HP1A0239	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0239	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0239	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0239	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0239	R203202B	ELECTRIC DRIVES	25	C	3
20HP1A0239	R203205K	COMPUTER NETWORKS	25	D	3
20HP1A0240	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	15	E	3
20HP1A0240	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	9	F	0
20HP1A0240	R2032023	POWER SYSTEM ANALYSIS	12	E	3
20HP1A0240	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	7	B	1.5
20HP1A0240	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	7	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0240	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	B	1.5
20HP1A0240	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0240	R2032028	RESEARCH METHODOLOGY	15	COMPLE	0
20HP1A0240	R203202B	ELECTRIC DRIVES	18	E	3
20HP1A0240	R203205K	COMPUTER NETWORKS	11	F	0
20HP1A0241	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	17	E	3
20HP1A0241	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	9	F	0
20HP1A0241	R2032023	POWER SYSTEM ANALYSIS	12	E	3
20HP1A0241	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	9	B	1.5
20HP1A0241	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	8	E	1.5
20HP1A0241	R2032026	POWER SYSTEMS AND SIMULATION LAB	5	D	1.5
20HP1A0241	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0241	R2032028	RESEARCH METHODOLOGY	17	COMPLE	0
20HP1A0241	R203202B	ELECTRIC DRIVES	18	E	3
20HP1A0241	R203205K	COMPUTER NETWORKS	16	E	3
20HP1A0242	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	B	3
20HP1A0242	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	27	B	3
20HP1A0242	R2032023	POWER SYSTEM ANALYSIS	25	A	3
20HP1A0242	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	B	1.5
20HP1A0242	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	A+	1.5
20HP1A0242	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0242	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0242	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
20HP1A0242	R203202B	ELECTRIC DRIVES	26	C	3
20HP1A0242	R203205K	COMPUTER NETWORKS	26	C	3
20HP1A0243	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	16	E	3
20HP1A0243	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	E	3
20HP1A0243	R2032023	POWER SYSTEM ANALYSIS	14	F	0
20HP1A0243	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	9	C	1.5
20HP1A0243	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	8	C	1.5
20HP1A0243	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A	1.5
20HP1A0243	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0243	R2032028	RESEARCH METHODOLOGY	17	COMPLE	0
20HP1A0243	R203202B	ELECTRIC DRIVES	18	F	0
20HP1A0243	R203205K	COMPUTER NETWORKS	11	F	0
20HP1A0244	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	E	3
20HP1A0244	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	C	3
20HP1A0244	R2032023	POWER SYSTEM ANALYSIS	24	B	3
20HP1A0244	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	B	1.5
20HP1A0244	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0244	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0244	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0244	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0244	R203202B	ELECTRIC DRIVES	21	D	3
20HP1A0244	R203205K	COMPUTER NETWORKS	23	E	3
20HP1A0245	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	17	F	0
20HP1A0245	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	F	0
20HP1A0245	R2032023	POWER SYSTEM ANALYSIS	12	F	0
20HP1A0245	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	B	1.5
20HP1A0245	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	B	1.5
20HP1A0245	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0245	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0245	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0245	R203202B	ELECTRIC DRIVES	18	F	0
20HP1A0245	R203205K	COMPUTER NETWORKS	12	F	0
20HP1A0246	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	18	E	3
20HP1A0246	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	D	3
20HP1A0246	R2032023	POWER SYSTEM ANALYSIS	9	E	3
20HP1A0246	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	C	1.5
20HP1A0246	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0246	R2032026	POWER SYSTEMS AND SIMULATION LAB	5	D	1.5
20HP1A0246	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0246	R2032028	RESEARCH METHODOLOGY	18	COMPLE	0
20HP1A0246	R203202B	ELECTRIC DRIVES	11	E	3
20HP1A0246	R203205K	COMPUTER NETWORKS	15	F	0
20HP1A0247	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	D	3
20HP1A0247	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	F	0
20HP1A0247	R2032023	POWER SYSTEM ANALYSIS	21	D	3
20HP1A0247	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	B	1.5
20HP1A0247	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0247	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0247	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0247	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
20HP1A0247	R203202B	ELECTRIC DRIVES	17	F	0
20HP1A0247	R203205K	COMPUTER NETWORKS	16	F	0
20HP1A0248	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	D	3
20HP1A0248	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	C	3
20HP1A0248	R2032023	POWER SYSTEM ANALYSIS	20	B	3
20HP1A0248	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
20HP1A0248	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A+	1.5
20HP1A0248	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
20HP1A0248	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
20HP1A0248	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0248	R203202B	ELECTRIC DRIVES	22	D	3
20HP1A0248	R203205K	COMPUTER NETWORKS	21	F	0
20HP1A0249	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	E	3
20HP1A0249	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	24	D	3
20HP1A0249	R2032023	POWER SYSTEM ANALYSIS	20	B	3
20HP1A0249	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
20HP1A0249	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0249	R2032026	POWER SYSTEMS AND SIMULATION LAB	13	A+	1.5
20HP1A0249	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
20HP1A0249	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
20HP1A0249	R203202B	ELECTRIC DRIVES	20	D	3
20HP1A0249	R203205K	COMPUTER NETWORKS	23	C	3
20HP1A0302	R2032031	HEAT TRANSFER	13	D	3
20HP1A0302	R2032032	DESIGN OF MACHINE MEMBERS-II	10	D	3
20HP1A0302	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
20HP1A0302	R2032034	HEAT TRANSFER LAB	15	A	1.5
20HP1A0302	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0302	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
20HP1A0302	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0302	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0302	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	15	D	3
20HP1A0302	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	D	3
20HP1A0303	R2032031	HEAT TRANSFER	13	F	0
20HP1A0303	R2032032	DESIGN OF MACHINE MEMBERS-II	8	F	0
20HP1A0303	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	9	E	3
20HP1A0303	R2032034	HEAT TRANSFER LAB	14	B	1.5
20HP1A0303	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0303	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0303	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0303	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
20HP1A0303	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	15	E	3
20HP1A0303	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	E	3
20HP1A0305	R2032031	HEAT TRANSFER	13	F	0
20HP1A0305	R2032032	DESIGN OF MACHINE MEMBERS-II	14	E	3
20HP1A0305	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	11	F	0
20HP1A0305	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0305	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0305	R2032036	MEASUREMENTS & METROLOGY LAB	13	B	1.5
20HP1A0305	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0305	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
20HP1A0305	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	D	3
20HP1A0305	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	E	3
20HP1A0306	R2032031	HEAT TRANSFER	15	C	3
20HP1A0306	R2032032	DESIGN OF MACHINE MEMBERS-II	16	E	3
20HP1A0306	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
20HP1A0306	R2032034	HEAT TRANSFER LAB	15	A	1.5
20HP1A0306	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0306	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0306	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0306	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
20HP1A0306	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	D	3
20HP1A0306	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	D	3
20HP1A0307	R2032031	HEAT TRANSFER	13	E	3
20HP1A0307	R2032032	DESIGN OF MACHINE MEMBERS-II	10	C	3
20HP1A0307	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	13	D	3
20HP1A0307	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0307	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0307	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0307	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0307	R2032038	RESEARCH METHODOLOGY AND IPR	21	COMPLE	0
20HP1A0307	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	15	D	3
20HP1A0307	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	21	B	3
20HP1A0308	R2032031	HEAT TRANSFER	18	F	0
20HP1A0308	R2032032	DESIGN OF MACHINE MEMBERS-II	18	E	3
20HP1A0308	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	E	3
20HP1A0308	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0308	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0308	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
20HP1A0308	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0308	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0308	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	C	3
20HP1A0308	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	D	3
20HP1A0309	R2032031	HEAT TRANSFER	13	E	3
20HP1A0309	R2032032	DESIGN OF MACHINE MEMBERS-II	12	F	0
20HP1A0309	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	9	F	0
20HP1A0309	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0309	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0309	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0309	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0309	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0309	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	E	3
20HP1A0309	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	E	3
20HP1A0310	R2032031	HEAT TRANSFER	15	E	3
20HP1A0310	R2032032	DESIGN OF MACHINE MEMBERS-II	8	F	0
20HP1A0310	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	15	D	3
20HP1A0310	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0310	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0310	R2032036	MEASUREMENTS & METROLOGY LAB	14	A	1.5
20HP1A0310	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0310	R2032038	RESEARCH METHODOLOGY AND IPR	21	COMPLE	0
20HP1A0310	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	13	F	0
20HP1A0310	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	E	3
20HP1A0311	R2032031	HEAT TRANSFER	16	F	0
20HP1A0311	R2032032	DESIGN OF MACHINE MEMBERS-II	14	E	3
20HP1A0311	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	10	E	3
20HP1A0311	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0311	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0311	R2032036	MEASUREMENTS & METROLOGY LAB	10	C	1.5
20HP1A0311	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0311	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0311	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	13	E	3
20HP1A0311	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	D	3
20HP1A0312	R2032031	HEAT TRANSFER	14	F	0
20HP1A0312	R2032032	DESIGN OF MACHINE MEMBERS-II	8	F	0
20HP1A0312	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	10	E	3
20HP1A0312	R2032034	HEAT TRANSFER LAB	13	B	1.5
20HP1A0312	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0312	R2032036	MEASUREMENTS & METROLOGY LAB	8	D	1.5
20HP1A0312	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0312	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
20HP1A0312	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	D	3
20HP1A0312	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	E	3
20HP1A0313	R2032031	HEAT TRANSFER	14	F	0
20HP1A0313	R2032032	DESIGN OF MACHINE MEMBERS-II	9	E	3
20HP1A0313	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	13	E	3
20HP1A0313	R2032034	HEAT TRANSFER LAB	12	B	1.5
20HP1A0313	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0313	R2032036	MEASUREMENTS & METROLOGY LAB	9	D	1.5
20HP1A0313	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0313	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
20HP1A0313	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	14	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0313	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	17	E	3
20HP1A0314	R2032031	HEAT TRANSFER	18	D	3
20HP1A0314	R2032032	DESIGN OF MACHINE MEMBERS-II	18	C	3
20HP1A0314	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	19	C	3
20HP1A0314	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0314	R2032035	CAE&CAM LAB	8	C	1.5
20HP1A0314	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0314	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0314	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0314	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	D	3
20HP1A0314	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	D	3
20HP1A0315	R2032031	HEAT TRANSFER	13	F	0
20HP1A0315	R2032032	DESIGN OF MACHINE MEMBERS-II	12	F	0
20HP1A0315	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	F	0
20HP1A0315	R2032034	HEAT TRANSFER LAB	6	D	1.5
20HP1A0315	R2032035	CAE&CAM LAB	5	F	0
20HP1A0315	R2032036	MEASUREMENTS & METROLOGY LAB	8	D	1.5
20HP1A0315	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0315	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0315	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	7	F	0
20HP1A0315	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	13	E	3
20HP1A0316	R2032031	HEAT TRANSFER	16	C	3
20HP1A0316	R2032032	DESIGN OF MACHINE MEMBERS-II	15	F	0
20HP1A0316	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	E	3
20HP1A0316	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0316	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0316	R2032036	MEASUREMENTS & METROLOGY LAB	10	B	1.5
20HP1A0316	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0316	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0316	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	D	3
20HP1A0316	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	D	3
20HP1A0317	R2032031	HEAT TRANSFER	11	E	3
20HP1A0317	R2032032	DESIGN OF MACHINE MEMBERS-II	11	F	0
20HP1A0317	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	10	E	3
20HP1A0317	R2032034	HEAT TRANSFER LAB	11	C	1.5
20HP1A0317	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0317	R2032036	MEASUREMENTS & METROLOGY LAB	8	D	1.5
20HP1A0317	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0317	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0317	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	13	F	0
20HP1A0317	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	10	F	0
20HP1A0318	R2032031	HEAT TRANSFER	15	D	3
20HP1A0318	R2032032	DESIGN OF MACHINE MEMBERS-II	17	E	3
20HP1A0318	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	D	3
20HP1A0318	R2032034	HEAT TRANSFER LAB	13	C	1.5
20HP1A0318	R2032035	CAE&CAM LAB	7	F	0
20HP1A0318	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0318	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0318	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
20HP1A0318	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	C	3
20HP1A0318	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0319	R2032031	HEAT TRANSFER	19	F	0
20HP1A0319	R2032032	DESIGN OF MACHINE MEMBERS-II	11	F	0
20HP1A0319	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	12	F	0
20HP1A0319	R2032034	HEAT TRANSFER LAB	13	C	1.5
20HP1A0319	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0319	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0319	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0319	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
20HP1A0319	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	14	F	0
20HP1A0319	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	9	F	0
20HP1A0320	R2032031	HEAT TRANSFER	16	F	0
20HP1A0320	R2032032	DESIGN OF MACHINE MEMBERS-II	9	F	0
20HP1A0320	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	12	F	0
20HP1A0320	R2032034	HEAT TRANSFER LAB	6	D	1.5
20HP1A0320	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0320	R2032036	MEASUREMENTS & METROLOGY LAB	8	D	1.5
20HP1A0320	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0320	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0320	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	6	F	0
20HP1A0320	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	9	F	0
20HP1A0321	R2032031	HEAT TRANSFER	13	F	0
20HP1A0321	R2032032	DESIGN OF MACHINE MEMBERS-II	12	F	0
20HP1A0321	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	15	E	3
20HP1A0321	R2032034	HEAT TRANSFER LAB	11	C	1.5
20HP1A0321	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0321	R2032036	MEASUREMENTS & METROLOGY LAB	9	D	1.5
20HP1A0321	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0321	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0321	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	15	E	3
20HP1A0321	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	14	E	3
20HP1A0322	R2032031	HEAT TRANSFER	22	C	3
20HP1A0322	R2032032	DESIGN OF MACHINE MEMBERS-II	22	B	3
20HP1A0322	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	D	3
20HP1A0322	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0322	R2032035	CAE&CAM LAB	10	B	1.5
20HP1A0322	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
20HP1A0322	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0322	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0322	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	C	3
20HP1A0322	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
20HP1A0324	R2032031	HEAT TRANSFER	12	F	0
20HP1A0324	R2032032	DESIGN OF MACHINE MEMBERS-II	15	F	0
20HP1A0324	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	13	F	0
20HP1A0324	R2032034	HEAT TRANSFER LAB	14	B	1.5
20HP1A0324	R2032035	CAE&CAM LAB	6	F	0
20HP1A0324	R2032036	MEASUREMENTS & METROLOGY LAB	8	D	1.5
20HP1A0324	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0324	R2032038	RESEARCH METHODOLOGY AND IPR	16	COMPLE	0
20HP1A0324	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	8	F	0
20HP1A0324	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	10	F	0
20HP1A0325	R2032031	HEAT TRANSFER	16	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0325	R2032032	DESIGN OF MACHINE MEMBERS-II	13	F	0
20HP1A0325	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	13	F	0
20HP1A0325	R2032034	HEAT TRANSFER LAB	6	D	1.5
20HP1A0325	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0325	R2032036	MEASUREMENTS & METROLOGY LAB	7	D	1.5
20HP1A0325	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0325	R2032038	RESEARCH METHODOLOGY AND IPR	16	COMPLE	0
20HP1A0325	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	7	F	0
20HP1A0325	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	11	F	0
20HP1A0326	R2032031	HEAT TRANSFER	19	E	3
20HP1A0326	R2032032	DESIGN OF MACHINE MEMBERS-II	16	E	3
20HP1A0326	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	19	E	3
20HP1A0326	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0326	R2032035	CAE&CAM LAB	6	F	0
20HP1A0326	R2032036	MEASUREMENTS & METROLOGY LAB	13	B	1.5
20HP1A0326	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0326	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0326	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	D	3
20HP1A0326	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
20HP1A0327	R2032031	HEAT TRANSFER	16	E	3
20HP1A0327	R2032032	DESIGN OF MACHINE MEMBERS-II	16	F	0
20HP1A0327	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	15	E	3
20HP1A0327	R2032034	HEAT TRANSFER LAB	13	A	1.5
20HP1A0327	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0327	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0327	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0327	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
20HP1A0327	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	E	3
20HP1A0327	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	E	3
20HP1A0329	R2032031	HEAT TRANSFER	16	E	3
20HP1A0329	R2032032	DESIGN OF MACHINE MEMBERS-II	20	F	0
20HP1A0329	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	19	E	3
20HP1A0329	R2032034	HEAT TRANSFER LAB	15	A	1.5
20HP1A0329	R2032035	CAE&CAM LAB	7	E	1.5
20HP1A0329	R2032036	MEASUREMENTS & METROLOGY LAB	13	A	1.5
20HP1A0329	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0329	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0329	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	C	3
20HP1A0329	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	E	3
20HP1A0330	R2032031	HEAT TRANSFER	21	E	3
20HP1A0330	R2032032	DESIGN OF MACHINE MEMBERS-II	21	E	3
20HP1A0330	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	E	3
20HP1A0330	R2032034	HEAT TRANSFER LAB	15	A	1.5
20HP1A0330	R2032035	CAE&CAM LAB	13	D	1.5
20HP1A0330	R2032036	MEASUREMENTS & METROLOGY LAB	8	D	1.5
20HP1A0330	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0330	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
20HP1A0330	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	C	3
20HP1A0330	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	21	D	3
20HP1A0331	R2032031	HEAT TRANSFER	17	F	0
20HP1A0331	R2032032	DESIGN OF MACHINE MEMBERS-II	15	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0331	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
20HP1A0331	R2032034	HEAT TRANSFER LAB	14	B	1.5
20HP1A0331	R2032035	CAE&CAM LAB	7	E	1.5
20HP1A0331	R2032036	MEASUREMENTS & METROLOGY LAB	10	C	1.5
20HP1A0331	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0331	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0331	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	13	E	3
20HP1A0331	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	E	3
20HP1A0332	R2032031	HEAT TRANSFER	18	E	3
20HP1A0332	R2032032	DESIGN OF MACHINE MEMBERS-II	16	E	3
20HP1A0332	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	13	E	3
20HP1A0332	R2032034	HEAT TRANSFER LAB	12	C	1.5
20HP1A0332	R2032035	CAE&CAM LAB	7	E	1.5
20HP1A0332	R2032036	MEASUREMENTS & METROLOGY LAB	9	D	1.5
20HP1A0332	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0332	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0332	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	16	D	3
20HP1A0332	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	14	D	3
20HP1A0333	R2032031	HEAT TRANSFER	15	F	0
20HP1A0333	R2032032	DESIGN OF MACHINE MEMBERS-II	10	E	3
20HP1A0333	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
20HP1A0333	R2032034	HEAT TRANSFER LAB	14	B	1.5
20HP1A0333	R2032035	CAE&CAM LAB	7	E	1.5
20HP1A0333	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0333	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0333	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0333	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	16	D	3
20HP1A0333	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	13	D	3
20HP1A0334	R2032031	HEAT TRANSFER	16	D	3
20HP1A0334	R2032032	DESIGN OF MACHINE MEMBERS-II	18	E	3
20HP1A0334	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	E	3
20HP1A0334	R2032034	HEAT TRANSFER LAB	14	A	1.5
20HP1A0334	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0334	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0334	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0334	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
20HP1A0334	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	D	3
20HP1A0334	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	E	3
20HP1A0335	R2032031	HEAT TRANSFER	14	E	3
20HP1A0335	R2032032	DESIGN OF MACHINE MEMBERS-II	12	E	3
20HP1A0335	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	7	F	0
20HP1A0335	R2032034	HEAT TRANSFER LAB	12	C	1.5
20HP1A0335	R2032035	CAE&CAM LAB	7	F	0
20HP1A0335	R2032036	MEASUREMENTS & METROLOGY LAB	9	D	1.5
20HP1A0335	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0335	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
20HP1A0335	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	16	E	3
20HP1A0335	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	14	E	3
20HP1A0337	R2032031	HEAT TRANSFER	10	F	0
20HP1A0337	R2032032	DESIGN OF MACHINE MEMBERS-II	11	F	0
20HP1A0337	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	9	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0337	R2032034	HEAT TRANSFER LAB	7	AB	0
20HP1A0337	R2032035	CAE&CAM LAB	5	AB	0
20HP1A0337	R2032036	MEASUREMENTS & METROLOGY LAB	10	AB	0
20HP1A0337	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	AB	0
20HP1A0337	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0337	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	13	F	0
20HP1A0337	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	10	F	0
20HP1A0338	R2032031	HEAT TRANSFER	22	C	3
20HP1A0338	R2032032	DESIGN OF MACHINE MEMBERS-II	18	E	3
20HP1A0338	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	22	D	3
20HP1A0338	R2032034	HEAT TRANSFER LAB	14	A	1.5
20HP1A0338	R2032035	CAE&CAM LAB	7	D	1.5
20HP1A0338	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
20HP1A0338	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0338	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0338	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	25	C	3
20HP1A0338	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
20HP1A0340	R2032031	HEAT TRANSFER	18	C	3
20HP1A0340	R2032032	DESIGN OF MACHINE MEMBERS-II	18	D	3
20HP1A0340	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	D	3
20HP1A0340	R2032034	HEAT TRANSFER LAB	13	B	1.5
20HP1A0340	R2032035	CAE&CAM LAB	6	D	1.5
20HP1A0340	R2032036	MEASUREMENTS & METROLOGY LAB	10	C	1.5
20HP1A0340	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0340	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0340	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	C	3
20HP1A0340	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	B	3
20HP1A0341	R2032031	HEAT TRANSFER	23	D	3
20HP1A0341	R2032032	DESIGN OF MACHINE MEMBERS-II	19	D	3
20HP1A0341	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	E	3
20HP1A0341	R2032034	HEAT TRANSFER LAB	14	B	1.5
20HP1A0341	R2032035	CAE&CAM LAB	7	F	0
20HP1A0341	R2032036	MEASUREMENTS & METROLOGY LAB	10	B	1.5
20HP1A0341	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0341	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
20HP1A0341	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	C	3
20HP1A0341	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
20HP1A0342	R2032031	HEAT TRANSFER	15	F	0
20HP1A0342	R2032032	DESIGN OF MACHINE MEMBERS-II	17	F	0
20HP1A0342	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	12	F	0
20HP1A0342	R2032034	HEAT TRANSFER LAB	14	A	1.5
20HP1A0342	R2032035	CAE&CAM LAB	7	E	1.5
20HP1A0342	R2032036	MEASUREMENTS & METROLOGY LAB	9	D	1.5
20HP1A0342	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0342	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0342	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	D	3
20HP1A0342	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	E	3
20HP1A0343	R2032031	HEAT TRANSFER	24	C	3
20HP1A0343	R2032032	DESIGN OF MACHINE MEMBERS-II	19	D	3
20HP1A0343	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	22	D	3
20HP1A0343	R2032034	HEAT TRANSFER LAB	13	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0343	R2032035	CAE&CAM LAB	14	D	1.5
20HP1A0343	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0343	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0343	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
20HP1A0343	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	D	3
20HP1A0343	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	C	3
20HP1A0344	R2032031	HEAT TRANSFER	20	C	3
20HP1A0344	R2032032	DESIGN OF MACHINE MEMBERS-II	15	E	3
20HP1A0344	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
20HP1A0344	R2032034	HEAT TRANSFER LAB	14	A	1.5
20HP1A0344	R2032035	CAE&CAM LAB	14	C	1.5
20HP1A0344	R2032036	MEASUREMENTS & METROLOGY LAB	9	C	1.5
20HP1A0344	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0344	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0344	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	D	3
20HP1A0344	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	D	3
20HP1A0345	R2032031	HEAT TRANSFER	17	F	0
20HP1A0345	R2032032	DESIGN OF MACHINE MEMBERS-II	14	F	0
20HP1A0345	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	13	E	3
20HP1A0345	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0345	R2032035	CAE&CAM LAB	14	C	1.5
20HP1A0345	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0345	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0345	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0345	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	D	3
20HP1A0345	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	17	C	3
20HP1A0346	R2032031	HEAT TRANSFER	12	E	3
20HP1A0346	R2032032	DESIGN OF MACHINE MEMBERS-II	14	D	3
20HP1A0346	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
20HP1A0346	R2032034	HEAT TRANSFER LAB	12	C	1.5
20HP1A0346	R2032035	CAE&CAM LAB	11	D	1.5
20HP1A0346	R2032036	MEASUREMENTS & METROLOGY LAB	7	C	1.5
20HP1A0346	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0346	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
20HP1A0346	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	D	3
20HP1A0346	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	D	3
20HP1A0347	R2032031	HEAT TRANSFER	12	F	0
20HP1A0347	R2032032	DESIGN OF MACHINE MEMBERS-II	7	F	0
20HP1A0347	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	11	F	0
20HP1A0347	R2032034	HEAT TRANSFER LAB	12	C	1.5
20HP1A0347	R2032035	CAE&CAM LAB	13	F	0
20HP1A0347	R2032036	MEASUREMENTS & METROLOGY LAB	13	B	1.5
20HP1A0347	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0347	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0347	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	13	F	0
20HP1A0347	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	12	F	0
20HP1A0348	R2032031	HEAT TRANSFER	24	C	3
20HP1A0348	R2032032	DESIGN OF MACHINE MEMBERS-II	23	D	3
20HP1A0348	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	23	C	3
20HP1A0348	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0348	R2032035	CAE&CAM LAB	15	A+	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0348	R2032036	MEASUREMENTS & METROLOGY LAB	15	A+	1.5
20HP1A0348	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0348	R2032038	RESEARCH METHODOLOGY AND IPR	26	COMPLE	0
20HP1A0348	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	C	3
20HP1A0348	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	25	B	3
20HP1A0350	R2032031	HEAT TRANSFER	14	F	0
20HP1A0350	R2032032	DESIGN OF MACHINE MEMBERS-II	12	F	0
20HP1A0350	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	11	F	0
20HP1A0350	R2032034	HEAT TRANSFER LAB	12	C	1.5
20HP1A0350	R2032035	CAE&CAM LAB	13	D	1.5
20HP1A0350	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
20HP1A0350	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0350	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0350	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	11	F	0
20HP1A0350	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	E	3
20HP1A0352	R2032031	HEAT TRANSFER	25	C	3
20HP1A0352	R2032032	DESIGN OF MACHINE MEMBERS-II	21	C	3
20HP1A0352	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	D	3
20HP1A0352	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0352	R2032035	CAE&CAM LAB	13	B	1.5
20HP1A0352	R2032036	MEASUREMENTS & METROLOGY LAB	15	A	1.5
20HP1A0352	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0352	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
20HP1A0352	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	27	D	3
20HP1A0352	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	28	D	3
20HP1A0353	R2032031	HEAT TRANSFER	16	D	3
20HP1A0353	R2032032	DESIGN OF MACHINE MEMBERS-II	15	E	3
20HP1A0353	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	D	3
20HP1A0353	R2032034	HEAT TRANSFER LAB	14	C	1.5
20HP1A0353	R2032035	CAE&CAM LAB	12	D	1.5
20HP1A0353	R2032036	MEASUREMENTS & METROLOGY LAB	15	A	1.5
20HP1A0353	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0353	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0353	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	C	3
20HP1A0353	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	C	3
20HP1A0354	R2032031	HEAT TRANSFER	15	E	3
20HP1A0354	R2032032	DESIGN OF MACHINE MEMBERS-II	16	E	3
20HP1A0354	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
20HP1A0354	R2032034	HEAT TRANSFER LAB	14	C	1.5
20HP1A0354	R2032035	CAE&CAM LAB	11	C	1.5
20HP1A0354	R2032036	MEASUREMENTS & METROLOGY LAB	9	C	1.5
20HP1A0354	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0354	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
20HP1A0354	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	E	3
20HP1A0354	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	E	3
20HP1A0355	R2032031	HEAT TRANSFER	23	E	3
20HP1A0355	R2032032	DESIGN OF MACHINE MEMBERS-II	23	A	3
20HP1A0355	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	22	C	3
20HP1A0355	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0355	R2032035	CAE&CAM LAB	11	D	1.5
20HP1A0355	R2032036	MEASUREMENTS & METROLOGY LAB	13	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0355	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0355	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0355	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	B	3
20HP1A0355	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	22	B	3
20HP1A0356	R2032031	HEAT TRANSFER	9	F	0
20HP1A0356	R2032032	DESIGN OF MACHINE MEMBERS-II	2	F	0
20HP1A0356	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	6	F	0
20HP1A0356	R2032034	HEAT TRANSFER LAB	9	D	1.5
20HP1A0356	R2032035	CAE&CAM LAB	6	F	0
20HP1A0356	R2032036	MEASUREMENTS & METROLOGY LAB	6	E	1.5
20HP1A0356	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	F	0
20HP1A0356	R2032038	RESEARCH METHODOLOGY AND IPR	18	COMPLE	0
20HP1A0356	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	11	F	0
20HP1A0356	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	3	F	0
20HP1A0357	R2032031	HEAT TRANSFER	17	E	3
20HP1A0357	R2032032	DESIGN OF MACHINE MEMBERS-II	10	F	0
20HP1A0357	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
20HP1A0357	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0357	R2032035	CAE&CAM LAB	13	D	1.5
20HP1A0357	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0357	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0357	R2032038	RESEARCH METHODOLOGY AND IPR	21	COMPLE	0
20HP1A0357	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	16	E	3
20HP1A0357	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	F	0
20HP1A0359	R2032031	HEAT TRANSFER	20	E	3
20HP1A0359	R2032032	DESIGN OF MACHINE MEMBERS-II	17	E	3
20HP1A0359	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	D	3
20HP1A0359	R2032034	HEAT TRANSFER LAB	15	A+	1.5
20HP1A0359	R2032035	CAE&CAM LAB	14	B	1.5
20HP1A0359	R2032036	MEASUREMENTS & METROLOGY LAB	15	A+	1.5
20HP1A0359	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0359	R2032038	RESEARCH METHODOLOGY AND IPR	27	COMPLE	0
20HP1A0359	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	B	3
20HP1A0359	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	C	3
20HP1A0360	R2032031	HEAT TRANSFER	16	D	3
20HP1A0360	R2032032	DESIGN OF MACHINE MEMBERS-II	16	C	3
20HP1A0360	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	15	E	3
20HP1A0360	R2032034	HEAT TRANSFER LAB	15	B	1.5
20HP1A0360	R2032035	CAE&CAM LAB	12	D	1.5
20HP1A0360	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
20HP1A0360	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0360	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0360	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	C	3
20HP1A0360	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	C	3
20HP1A0361	R2032031	HEAT TRANSFER	18	D	3
20HP1A0361	R2032032	DESIGN OF MACHINE MEMBERS-II	17	D	3
20HP1A0361	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	D	3
20HP1A0361	R2032034	HEAT TRANSFER LAB	11	B	1.5
20HP1A0361	R2032035	CAE&CAM LAB	13	B	1.5
20HP1A0361	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
20HP1A0361	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0361	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
20HP1A0361	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	D	3
20HP1A0361	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
20HP1A0363	R2032031	HEAT TRANSFER	17	E	3
20HP1A0363	R2032032	DESIGN OF MACHINE MEMBERS-II	19	E	3
20HP1A0363	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
20HP1A0363	R2032034	HEAT TRANSFER LAB	14	A	1.5
20HP1A0363	R2032035	CAE&CAM LAB	14	C	1.5
20HP1A0363	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
20HP1A0363	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0363	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
20HP1A0363	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	E	3
20HP1A0363	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	D	3
20HP1A0364	R2032031	HEAT TRANSFER	20	F	0
20HP1A0364	R2032032	DESIGN OF MACHINE MEMBERS-II	15	E	3
20HP1A0364	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	D	3
20HP1A0364	R2032034	HEAT TRANSFER LAB	14	C	1.5
20HP1A0364	R2032035	CAE&CAM LAB	13	C	1.5
20HP1A0364	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
20HP1A0364	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0364	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
20HP1A0364	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	D	3
20HP1A0364	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	D	3
20HP1A0365	R2032031	HEAT TRANSFER	14	F	0
20HP1A0365	R2032032	DESIGN OF MACHINE MEMBERS-II	13	F	0
20HP1A0365	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
20HP1A0365	R2032034	HEAT TRANSFER LAB	15	C	1.5
20HP1A0365	R2032035	CAE&CAM LAB	13	D	1.5
20HP1A0365	R2032036	MEASUREMENTS & METROLOGY LAB	13	B	1.5
20HP1A0365	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0365	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
20HP1A0365	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	E	3
20HP1A0365	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	17	B	3
20HP1A0367	R2032031	HEAT TRANSFER	17	E	3
20HP1A0367	R2032032	DESIGN OF MACHINE MEMBERS-II	16	E	3
20HP1A0367	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	20	E	3
20HP1A0367	R2032034	HEAT TRANSFER LAB	13	A	1.5
20HP1A0367	R2032035	CAE&CAM LAB	14	B	1.5
20HP1A0367	R2032036	MEASUREMENTS & METROLOGY LAB	15	A+	1.5
20HP1A0367	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0367	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
20HP1A0367	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	E	3
20HP1A0367	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	D	3
20HP1A0368	R2032031	HEAT TRANSFER	13	E	3
20HP1A0368	R2032032	DESIGN OF MACHINE MEMBERS-II	8	F	0
20HP1A0368	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	D	3
20HP1A0368	R2032034	HEAT TRANSFER LAB	9	A	1.5
20HP1A0368	R2032035	CAE&CAM LAB	7	E	1.5
20HP1A0368	R2032036	MEASUREMENTS & METROLOGY LAB	13	B	1.5
20HP1A0368	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0368	R2032038	RESEARCH METHODOLOGY AND IPR	21	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0368	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	D	3
20HP1A0368	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	17	D	3
20HP1A0369	R2032031	HEAT TRANSFER	24	C	3
20HP1A0369	R2032032	DESIGN OF MACHINE MEMBERS-II	19	D	3
20HP1A0369	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	22	D	3
20HP1A0369	R2032034	HEAT TRANSFER LAB	14	A	1.5
20HP1A0369	R2032035	CAE&CAM LAB	13	A	1.5
20HP1A0369	R2032036	MEASUREMENTS & METROLOGY LAB	14	A	1.5
20HP1A0369	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0369	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0369	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	27	C	3
20HP1A0369	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	21	D	3
20HP1A0371	R2032031	HEAT TRANSFER	14	F	0
20HP1A0371	R2032032	DESIGN OF MACHINE MEMBERS-II	17	E	3
20HP1A0371	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	E	3
20HP1A0371	R2032034	HEAT TRANSFER LAB	14	C	1.5
20HP1A0371	R2032035	CAE&CAM LAB	6	E	1.5
20HP1A0371	R2032036	MEASUREMENTS & METROLOGY LAB	8	B	1.5
20HP1A0371	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0371	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
20HP1A0371	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	C	3
20HP1A0371	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
20HP1A0372	R2032031	HEAT TRANSFER	10	F	0
20HP1A0372	R2032032	DESIGN OF MACHINE MEMBERS-II	4	F	0
20HP1A0372	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	4	F	0
20HP1A0372	R2032034	HEAT TRANSFER LAB	0	F	0
20HP1A0372	R2032035	CAE&CAM LAB	0	F	0
20HP1A0372	R2032036	MEASUREMENTS & METROLOGY LAB	2	AB	0
20HP1A0372	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0372	R2032038	RESEARCH METHODOLOGY AND IPR	15	COMPLE	0
20HP1A0372	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	5	F	0
20HP1A0372	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	3	F	0
20HP1A0373	R2032031	HEAT TRANSFER	16	D	3
20HP1A0373	R2032032	DESIGN OF MACHINE MEMBERS-II	21	D	3
20HP1A0373	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
20HP1A0373	R2032034	HEAT TRANSFER LAB	13	C	1.5
20HP1A0373	R2032035	CAE&CAM LAB	12	B	1.5
20HP1A0373	R2032036	MEASUREMENTS & METROLOGY LAB	14	A	1.5
20HP1A0373	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0373	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
20HP1A0373	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	E	3
20HP1A0373	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
20HP1A0374	R2032031	HEAT TRANSFER	15	E	3
20HP1A0374	R2032032	DESIGN OF MACHINE MEMBERS-II	14	F	0
20HP1A0374	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	15	F	0
20HP1A0374	R2032034	HEAT TRANSFER LAB	14	C	1.5
20HP1A0374	R2032035	CAE&CAM LAB	13	D	1.5
20HP1A0374	R2032036	MEASUREMENTS & METROLOGY LAB	13	A	1.5
20HP1A0374	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0374	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
20HP1A0374	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0374	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	15	E	3
20HP1A0375	R2032031	HEAT TRANSFER	10	E	3
20HP1A0375	R2032032	DESIGN OF MACHINE MEMBERS-II	7	F	0
20HP1A0375	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	11	E	3
20HP1A0375	R2032034	HEAT TRANSFER LAB	11	C	1.5
20HP1A0375	R2032035	CAE&CAM LAB	7	F	0
20HP1A0375	R2032036	MEASUREMENTS & METROLOGY LAB	11	C	1.5
20HP1A0375	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0375	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
20HP1A0375	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	11	D	3
20HP1A0375	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	10	E	3
20HP1A0378	R2032031	HEAT TRANSFER	13	F	0
20HP1A0378	R2032032	DESIGN OF MACHINE MEMBERS-II	6	F	0
20HP1A0378	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	10	F	0
20HP1A0378	R2032034	HEAT TRANSFER LAB	11	AB	0
20HP1A0378	R2032035	CAE&CAM LAB	7	F	0
20HP1A0378	R2032036	MEASUREMENTS & METROLOGY LAB	3	F	0
20HP1A0378	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
20HP1A0378	R2032038	RESEARCH METHODOLOGY AND IPR	17	COMPLE	0
20HP1A0378	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	13	F	0
20HP1A0378	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	8	AB	0
20HP1A0379	R2032031	HEAT TRANSFER	9	F	0
20HP1A0379	R2032032	DESIGN OF MACHINE MEMBERS-II	6	F	0
20HP1A0379	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	9	F	0
20HP1A0379	R2032034	HEAT TRANSFER LAB	7	D	1.5
20HP1A0379	R2032035	CAE&CAM LAB	7	F	0
20HP1A0379	R2032036	MEASUREMENTS & METROLOGY LAB	6	F	0
20HP1A0379	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0379	R2032038	RESEARCH METHODOLOGY AND IPR	15	COMPLE	0
20HP1A0379	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	E	3
20HP1A0379	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	13	E	3
20HP1A0380	R2032031	HEAT TRANSFER	25	B	3
20HP1A0380	R2032032	DESIGN OF MACHINE MEMBERS-II	20	C	3
20HP1A0380	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	21	D	3
20HP1A0380	R2032034	HEAT TRANSFER LAB	14	A	1.5
20HP1A0380	R2032035	CAE&CAM LAB	13	A	1.5
20HP1A0380	R2032036	MEASUREMENTS & METROLOGY LAB	13	A	1.5
20HP1A0380	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
20HP1A0380	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
20HP1A0380	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	D	3
20HP1A0380	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	C	3
20HP1A0401	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	E	3
20HP1A0401	R2032042	VLSI DESIGN	24	D	3
20HP1A0401	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A0401	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	C	1.5
20HP1A0401	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0401	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0401	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0401	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0401	R203204B	MOBILE & CELLULAR COMMUNICATION	17	E	3
20HP1A0401	R203205K	COMPUTER NETWORKS	14	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0402	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	F	0
20HP1A0402	R2032042	VLSI DESIGN	22	E	3
20HP1A0402	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A0402	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	C	1.5
20HP1A0402	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0402	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0402	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0402	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0402	R203204B	MOBILE & CELLULAR COMMUNICATION	17	F	0
20HP1A0402	R203205K	COMPUTER NETWORKS	14	E	3
20HP1A0403	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	B	3
20HP1A0403	R2032042	VLSI DESIGN	29	B	3
20HP1A0403	R2032043	DIGITAL SIGNAL PROCESSING	29	B	3
20HP1A0403	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A+	1.5
20HP1A0403	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0403	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0403	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0403	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0403	R203204B	MOBILE & CELLULAR COMMUNICATION	26	B	3
20HP1A0403	R203205K	COMPUTER NETWORKS	24	C	3
20HP1A0404	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
20HP1A0404	R2032042	VLSI DESIGN	25	D	3
20HP1A0404	R2032043	DIGITAL SIGNAL PROCESSING	27	C	3
20HP1A0404	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0404	R2032045	VLSI DESIGN LAB	13	B	1.5
20HP1A0404	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0404	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0404	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0404	R203204B	MOBILE & CELLULAR COMMUNICATION	19	E	3
20HP1A0404	R203205K	COMPUTER NETWORKS	20	D	3
20HP1A0405	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	28	B	3
20HP1A0405	R2032042	VLSI DESIGN	29	B	3
20HP1A0405	R2032043	DIGITAL SIGNAL PROCESSING	29	B	3
20HP1A0405	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A+	1.5
20HP1A0405	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0405	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0405	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0405	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0405	R203204B	MOBILE & CELLULAR COMMUNICATION	26	C	3
20HP1A0405	R203205K	COMPUTER NETWORKS	22	C	3
20HP1A0406	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	F	0
20HP1A0406	R2032042	VLSI DESIGN	23	D	3
20HP1A0406	R2032043	DIGITAL SIGNAL PROCESSING	24	E	3
20HP1A0406	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	B	1.5
20HP1A0406	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0406	R2032046	DIGITAL SIGNAL PROCESSING LAB	10	C	1.5
20HP1A0406	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0406	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0406	R203204B	MOBILE & CELLULAR COMMUNICATION	20	D	3
20HP1A0406	R203205K	COMPUTER NETWORKS	11	D	3
20HP1A0407	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	B	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0407	R2032042	VLSI DESIGN	26	C	3
20HP1A0407	R2032043	DIGITAL SIGNAL PROCESSING	26	C	3
20HP1A0407	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A+	1.5
20HP1A0407	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A0407	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	B	1.5
20HP1A0407	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0407	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0407	R203204B	MOBILE & CELLULAR COMMUNICATION	16	E	3
20HP1A0407	R203205K	COMPUTER NETWORKS	22	D	3
20HP1A0408	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	19	C	3
20HP1A0408	R2032042	VLSI DESIGN	18	E	3
20HP1A0408	R2032043	DIGITAL SIGNAL PROCESSING	20	E	3
20HP1A0408	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
20HP1A0408	R2032045	VLSI DESIGN LAB	14	B	1.5
20HP1A0408	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0408	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0408	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0408	R203204B	MOBILE & CELLULAR COMMUNICATION	19	D	3
20HP1A0408	R203205K	COMPUTER NETWORKS	18	C	3
20HP1A0409	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0409	R2032042	VLSI DESIGN	24	C	3
20HP1A0409	R2032043	DIGITAL SIGNAL PROCESSING	24	D	3
20HP1A0409	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	8	B	1.5
20HP1A0409	R2032045	VLSI DESIGN LAB	12	A	1.5
20HP1A0409	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	B	1.5
20HP1A0409	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0409	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0409	R203204B	MOBILE & CELLULAR COMMUNICATION	21	D	3
20HP1A0409	R203205K	COMPUTER NETWORKS	19	C	3
20HP1A0410	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	E	3
20HP1A0410	R2032042	VLSI DESIGN	23	D	3
20HP1A0410	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A0410	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	B	1.5
20HP1A0410	R2032045	VLSI DESIGN LAB	13	C	1.5
20HP1A0410	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	A	1.5
20HP1A0410	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0410	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0410	R203204B	MOBILE & CELLULAR COMMUNICATION	19	D	3
20HP1A0410	R203205K	COMPUTER NETWORKS	13	C	3
20HP1A0411	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	D	3
20HP1A0411	R2032042	VLSI DESIGN	23	D	3
20HP1A0411	R2032043	DIGITAL SIGNAL PROCESSING	26	C	3
20HP1A0411	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	C	1.5
20HP1A0411	R2032045	VLSI DESIGN LAB	12	A	1.5
20HP1A0411	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
20HP1A0411	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0411	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0411	R203204B	MOBILE & CELLULAR COMMUNICATION	19	D	3
20HP1A0411	R203205K	COMPUTER NETWORKS	17	E	3
20HP1A0412	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	24	C	3
20HP1A0412	R2032042	VLSI DESIGN	19	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0412	R2032043	DIGITAL SIGNAL PROCESSING	21	D	3
20HP1A0412	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A+	1.5
20HP1A0412	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0412	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0412	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0412	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0412	R203204B	MOBILE & CELLULAR COMMUNICATION	17	E	3
20HP1A0412	R203205K	COMPUTER NETWORKS	24	D	3
20HP1A0413	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
20HP1A0413	R2032042	VLSI DESIGN	22	D	3
20HP1A0413	R2032043	DIGITAL SIGNAL PROCESSING	23	E	3
20HP1A0413	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0413	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0413	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	C	1.5
20HP1A0413	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0413	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0413	R203204B	MOBILE & CELLULAR COMMUNICATION	18	F	0
20HP1A0413	R203205K	COMPUTER NETWORKS	16	E	3
20HP1A0414	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	D	3
20HP1A0414	R2032042	VLSI DESIGN	27	C	3
20HP1A0414	R2032043	DIGITAL SIGNAL PROCESSING	26	B	3
20HP1A0414	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0414	R2032045	VLSI DESIGN LAB	13	A	1.5
20HP1A0414	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
20HP1A0414	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0414	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0414	R203204B	MOBILE & CELLULAR COMMUNICATION	23	D	3
20HP1A0414	R203205K	COMPUTER NETWORKS	20	A	3
20HP1A0415	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0415	R2032042	VLSI DESIGN	25	D	3
20HP1A0415	R2032043	DIGITAL SIGNAL PROCESSING	25	B	3
20HP1A0415	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0415	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0415	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A	1.5
20HP1A0415	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0415	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0415	R203204B	MOBILE & CELLULAR COMMUNICATION	17	D	3
20HP1A0415	R203205K	COMPUTER NETWORKS	20	D	3
20HP1A0416	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
20HP1A0416	R2032042	VLSI DESIGN	13	E	3
20HP1A0416	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A0416	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0416	R2032045	VLSI DESIGN LAB	15	B	1.5
20HP1A0416	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A	1.5
20HP1A0416	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0416	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0416	R203204B	MOBILE & CELLULAR COMMUNICATION	18	F	0
20HP1A0416	R203205K	COMPUTER NETWORKS	16	D	3
20HP1A0418	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0418	R2032042	VLSI DESIGN	26	C	3
20HP1A0418	R2032043	DIGITAL SIGNAL PROCESSING	24	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0418	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0418	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0418	R2032046	DIGITAL SIGNAL PROCESSING LAB	10	A	1.5
20HP1A0418	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0418	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0418	R203204B	MOBILE & CELLULAR COMMUNICATION	21	D	3
20HP1A0418	R203205K	COMPUTER NETWORKS	18	C	3
20HP1A0419	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	D	3
20HP1A0419	R2032042	VLSI DESIGN	20	D	3
20HP1A0419	R2032043	DIGITAL SIGNAL PROCESSING	26	C	3
20HP1A0419	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A+	1.5
20HP1A0419	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A0419	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A0419	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0419	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0419	R203204B	MOBILE & CELLULAR COMMUNICATION	20	C	3
20HP1A0419	R203205K	COMPUTER NETWORKS	19	B	3
20HP1A0420	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	D	3
20HP1A0420	R2032042	VLSI DESIGN	20	F	0
20HP1A0420	R2032043	DIGITAL SIGNAL PROCESSING	24	C	3
20HP1A0420	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0420	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0420	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0420	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0420	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0420	R203204B	MOBILE & CELLULAR COMMUNICATION	17	F	0
20HP1A0420	R203205K	COMPUTER NETWORKS	18	D	3
20HP1A0421	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	C	3
20HP1A0421	R2032042	VLSI DESIGN	22	D	3
20HP1A0421	R2032043	DIGITAL SIGNAL PROCESSING	27	B	3
20HP1A0421	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
20HP1A0421	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A0421	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	B	1.5
20HP1A0421	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0421	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0421	R203204B	MOBILE & CELLULAR COMMUNICATION	22	D	3
20HP1A0421	R203205K	COMPUTER NETWORKS	22	C	3
20HP1A0422	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	C	3
20HP1A0422	R2032042	VLSI DESIGN	24	D	3
20HP1A0422	R2032043	DIGITAL SIGNAL PROCESSING	25	C	3
20HP1A0422	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
20HP1A0422	R2032045	VLSI DESIGN LAB	13	C	1.5
20HP1A0422	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0422	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0422	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0422	R203204B	MOBILE & CELLULAR COMMUNICATION	21	D	3
20HP1A0422	R203205K	COMPUTER NETWORKS	22	C	3
20HP1A0424	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0424	R2032042	VLSI DESIGN	25	B	3
20HP1A0424	R2032043	DIGITAL SIGNAL PROCESSING	26	B	3
20HP1A0424	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0424	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A0424	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0424	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0424	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0424	R203204B	MOBILE & CELLULAR COMMUNICATION	21	C	3
20HP1A0424	R203205K	COMPUTER NETWORKS	21	C	3
20HP1A0425	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	D	3
20HP1A0425	R2032042	VLSI DESIGN	22	D	3
20HP1A0425	R2032043	DIGITAL SIGNAL PROCESSING	26	F	0
20HP1A0425	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	B	1.5
20HP1A0425	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0425	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	C	1.5
20HP1A0425	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0425	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0425	R203204B	MOBILE & CELLULAR COMMUNICATION	19	D	3
20HP1A0425	R203205K	COMPUTER NETWORKS	15	E	3
20HP1A0426	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0426	R2032042	VLSI DESIGN	21	C	3
20HP1A0426	R2032043	DIGITAL SIGNAL PROCESSING	21	D	3
20HP1A0426	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0426	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A0426	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0426	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0426	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0426	R203204B	MOBILE & CELLULAR COMMUNICATION	22	C	3
20HP1A0426	R203205K	COMPUTER NETWORKS	26	B	3
20HP1A0427	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	24	C	3
20HP1A0427	R2032042	VLSI DESIGN	26	C	3
20HP1A0427	R2032043	DIGITAL SIGNAL PROCESSING	26	B	3
20HP1A0427	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A+	1.5
20HP1A0427	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0427	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A0427	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0427	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0427	R203204B	MOBILE & CELLULAR COMMUNICATION	28	C	3
20HP1A0427	R203205K	COMPUTER NETWORKS	17	D	3
20HP1A0428	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	B	3
20HP1A0428	R2032042	VLSI DESIGN	23	C	3
20HP1A0428	R2032043	DIGITAL SIGNAL PROCESSING	21	C	3
20HP1A0428	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
20HP1A0428	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0428	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A	1.5
20HP1A0428	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0428	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0428	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
20HP1A0428	R203205K	COMPUTER NETWORKS	18	C	3
20HP1A0429	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0429	R2032042	VLSI DESIGN	26	C	3
20HP1A0429	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A0429	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
20HP1A0429	R2032045	VLSI DESIGN LAB	12	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0429	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A0429	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0429	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0429	R203204B	MOBILE & CELLULAR COMMUNICATION	23	D	3
20HP1A0429	R203205K	COMPUTER NETWORKS	20	E	3
20HP1A0430	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	B	3
20HP1A0430	R2032042	VLSI DESIGN	29	D	3
20HP1A0430	R2032043	DIGITAL SIGNAL PROCESSING	29	C	3
20HP1A0430	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0430	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0430	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0430	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0430	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0430	R203204B	MOBILE & CELLULAR COMMUNICATION	29	B	3
20HP1A0430	R203205K	COMPUTER NETWORKS	23	C	3
20HP1A0431	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	18	F	0
20HP1A0431	R2032042	VLSI DESIGN	19	F	0
20HP1A0431	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
20HP1A0431	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	3	AB	0
20HP1A0431	R2032045	VLSI DESIGN LAB	7	AB	0
20HP1A0431	R2032046	DIGITAL SIGNAL PROCESSING LAB	4	AB	0
20HP1A0431	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	AB	0
20HP1A0431	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0431	R203204B	MOBILE & CELLULAR COMMUNICATION	16	F	0
20HP1A0431	R203205K	COMPUTER NETWORKS	13	F	0
20HP1A0432	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	F	0
20HP1A0432	R2032042	VLSI DESIGN	11	F	0
20HP1A0432	R2032043	DIGITAL SIGNAL PROCESSING	19	F	0
20HP1A0432	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	1	AB	0
20HP1A0432	R2032045	VLSI DESIGN LAB	9	AB	0
20HP1A0432	R2032046	DIGITAL SIGNAL PROCESSING LAB	4	AB	0
20HP1A0432	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	AB	0
20HP1A0432	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0432	R203204B	MOBILE & CELLULAR COMMUNICATION	13	AB	0
20HP1A0432	R203205K	COMPUTER NETWORKS	10	AB	0
20HP1A0433	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	B	3
20HP1A0433	R2032042	VLSI DESIGN	28	B	3
20HP1A0433	R2032043	DIGITAL SIGNAL PROCESSING	28	B	3
20HP1A0433	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0433	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0433	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A0433	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0433	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0433	R203204B	MOBILE & CELLULAR COMMUNICATION	29	B	3
20HP1A0433	R203205K	COMPUTER NETWORKS	22	D	3
20HP1A0434	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	19	F	0
20HP1A0434	R2032042	VLSI DESIGN	23	F	0
20HP1A0434	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A0434	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	5	E	1.5
20HP1A0434	R2032045	VLSI DESIGN LAB	11	D	1.5
20HP1A0434	R2032046	DIGITAL SIGNAL PROCESSING LAB	6	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0434	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0434	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0434	R203204B	MOBILE & CELLULAR COMMUNICATION	18	F	0
20HP1A0434	R203205K	COMPUTER NETWORKS	13	E	3
20HP1A0435	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	E	3
20HP1A0435	R2032042	VLSI DESIGN	24	C	3
20HP1A0435	R2032043	DIGITAL SIGNAL PROCESSING	24	D	3
20HP1A0435	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
20HP1A0435	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A0435	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A	1.5
20HP1A0435	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0435	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0435	R203204B	MOBILE & CELLULAR COMMUNICATION	18	D	3
20HP1A0435	R203205K	COMPUTER NETWORKS	23	C	3
20HP1A0436	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	20	F	0
20HP1A0436	R2032042	VLSI DESIGN	25	F	0
20HP1A0436	R2032043	DIGITAL SIGNAL PROCESSING	20	F	0
20HP1A0436	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	9	F	0
20HP1A0436	R2032045	VLSI DESIGN LAB	10	C	1.5
20HP1A0436	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
20HP1A0436	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0436	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0436	R203204B	MOBILE & CELLULAR COMMUNICATION	16	F	0
20HP1A0436	R203205K	COMPUTER NETWORKS	15	F	0
20HP1A0437	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	19	E	3
20HP1A0437	R2032042	VLSI DESIGN	15	E	3
20HP1A0437	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
20HP1A0437	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	6	E	1.5
20HP1A0437	R2032045	VLSI DESIGN LAB	10	D	1.5
20HP1A0437	R2032046	DIGITAL SIGNAL PROCESSING LAB	10	A	1.5
20HP1A0437	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0437	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0437	R203204B	MOBILE & CELLULAR COMMUNICATION	16	F	0
20HP1A0437	R203205K	COMPUTER NETWORKS	18	F	0
20HP1A0438	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0438	R2032042	VLSI DESIGN	26	D	3
20HP1A0438	R2032043	DIGITAL SIGNAL PROCESSING	24	D	3
20HP1A0438	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	C	1.5
20HP1A0438	R2032045	VLSI DESIGN LAB	13	B	1.5
20HP1A0438	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0438	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0438	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0438	R203204B	MOBILE & CELLULAR COMMUNICATION	23	D	3
20HP1A0438	R203205K	COMPUTER NETWORKS	20	C	3
20HP1A0439	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	E	3
20HP1A0439	R2032042	VLSI DESIGN	18	E	3
20HP1A0439	R2032043	DIGITAL SIGNAL PROCESSING	23	E	3
20HP1A0439	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	8	E	1.5
20HP1A0439	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0439	R2032046	DIGITAL SIGNAL PROCESSING LAB	9	A	1.5
20HP1A0439	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0439	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0439	R203204B	MOBILE & CELLULAR COMMUNICATION	15	E	3
20HP1A0439	R203205K	COMPUTER NETWORKS	14	E	3
20HP1A0440	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
20HP1A0440	R2032042	VLSI DESIGN	24	C	3
20HP1A0440	R2032043	DIGITAL SIGNAL PROCESSING	27	D	3
20HP1A0440	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	9	C	1.5
20HP1A0440	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0440	R2032046	DIGITAL SIGNAL PROCESSING LAB	10	A	1.5
20HP1A0440	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0440	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0440	R203204B	MOBILE & CELLULAR COMMUNICATION	24	C	3
20HP1A0440	R203205K	COMPUTER NETWORKS	24	C	3
20HP1A0441	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	9	F	0
20HP1A0441	R2032042	VLSI DESIGN	8	F	0
20HP1A0441	R2032043	DIGITAL SIGNAL PROCESSING	13	F	0
20HP1A0441	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	2	AB	0
20HP1A0441	R2032045	VLSI DESIGN LAB	2	AB	0
20HP1A0441	R2032046	DIGITAL SIGNAL PROCESSING LAB	3	E	1.5
20HP1A0441	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	AB	0
20HP1A0441	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0441	R203204B	MOBILE & CELLULAR COMMUNICATION	8	AB	0
20HP1A0441	R203205K	COMPUTER NETWORKS	8	F	0
20HP1A0442	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0442	R2032042	VLSI DESIGN	26	D	3
20HP1A0442	R2032043	DIGITAL SIGNAL PROCESSING	27	D	3
20HP1A0442	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0442	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A0442	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0442	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0442	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0442	R203204B	MOBILE & CELLULAR COMMUNICATION	22	C	3
20HP1A0442	R203205K	COMPUTER NETWORKS	18	D	3
20HP1A0443	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	D	3
20HP1A0443	R2032042	VLSI DESIGN	20	D	3
20HP1A0443	R2032043	DIGITAL SIGNAL PROCESSING	25	C	3
20HP1A0443	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
20HP1A0443	R2032045	VLSI DESIGN LAB	13	A	1.5
20HP1A0443	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0443	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0443	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0443	R203204B	MOBILE & CELLULAR COMMUNICATION	17	D	3
20HP1A0443	R203205K	COMPUTER NETWORKS	18	D	3
20HP1A0444	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	F	0
20HP1A0444	R2032042	VLSI DESIGN	21	F	0
20HP1A0444	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
20HP1A0444	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	F	0
20HP1A0444	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0444	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	C	1.5
20HP1A0444	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0444	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0444	R203204B	MOBILE & CELLULAR COMMUNICATION	16	E	3
20HP1A0444	R203205K	COMPUTER NETWORKS	17	E	3
20HP1A0445	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
20HP1A0445	R2032042	VLSI DESIGN	18	E	3
20HP1A0445	R2032043	DIGITAL SIGNAL PROCESSING	25	F	0
20HP1A0445	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	C	1.5
20HP1A0445	R2032045	VLSI DESIGN LAB	12	B	1.5
20HP1A0445	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	D	1.5
20HP1A0445	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0445	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0445	R203204B	MOBILE & CELLULAR COMMUNICATION	20	E	3
20HP1A0445	R203205K	COMPUTER NETWORKS	17	E	3
20HP1A0446	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	C	3
20HP1A0446	R2032042	VLSI DESIGN	27	C	3
20HP1A0446	R2032043	DIGITAL SIGNAL PROCESSING	26	C	3
20HP1A0446	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A	1.5
20HP1A0446	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0446	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0446	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0446	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0446	R203204B	MOBILE & CELLULAR COMMUNICATION	24	C	3
20HP1A0446	R203205K	COMPUTER NETWORKS	23	C	3
20HP1A0447	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	C	3
20HP1A0447	R2032042	VLSI DESIGN	29	B	3
20HP1A0447	R2032043	DIGITAL SIGNAL PROCESSING	29	B	3
20HP1A0447	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A+	1.5
20HP1A0447	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0447	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0447	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0447	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0447	R203204B	MOBILE & CELLULAR COMMUNICATION	27	B	3
20HP1A0447	R203205K	COMPUTER NETWORKS	24	C	3
20HP1A0448	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	C	3
20HP1A0448	R2032042	VLSI DESIGN	28	C	3
20HP1A0448	R2032043	DIGITAL SIGNAL PROCESSING	27	C	3
20HP1A0448	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	A	1.5
20HP1A0448	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A0448	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0448	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0448	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0448	R203204B	MOBILE & CELLULAR COMMUNICATION	23	D	3
20HP1A0448	R203205K	COMPUTER NETWORKS	20	C	3
20HP1A0449	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	B	3
20HP1A0449	R2032042	VLSI DESIGN	30	C	3
20HP1A0449	R2032043	DIGITAL SIGNAL PROCESSING	29	A	3
20HP1A0449	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A	1.5
20HP1A0449	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0449	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A0449	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0449	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0449	R203204B	MOBILE & CELLULAR COMMUNICATION	24	B	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0449	R203205K	COMPUTER NETWORKS	23	C	3
20HP1A0450	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	D	3
20HP1A0450	R2032042	VLSI DESIGN	24	E	3
20HP1A0450	R2032043	DIGITAL SIGNAL PROCESSING	25	E	3
20HP1A0450	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
20HP1A0450	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0450	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	C	1.5
20HP1A0450	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0450	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0450	R203204B	MOBILE & CELLULAR COMMUNICATION	22	F	0
20HP1A0450	R203205K	COMPUTER NETWORKS	21	D	3
20HP1A0451	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0451	R2032042	VLSI DESIGN	22	D	3
20HP1A0451	R2032043	DIGITAL SIGNAL PROCESSING	25	A	3
20HP1A0451	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	A	1.5
20HP1A0451	R2032045	VLSI DESIGN LAB	12	B	1.5
20HP1A0451	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
20HP1A0451	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0451	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0451	R203204B	MOBILE & CELLULAR COMMUNICATION	25	C	3
20HP1A0451	R203205K	COMPUTER NETWORKS	19	B	3
20HP1A0452	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	C	3
20HP1A0452	R2032042	VLSI DESIGN	26	C	3
20HP1A0452	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A0452	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	8	F	0
20HP1A0452	R2032045	VLSI DESIGN LAB	12	B	1.5
20HP1A0452	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0452	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0452	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0452	R203204B	MOBILE & CELLULAR COMMUNICATION	21	E	3
20HP1A0452	R203205K	COMPUTER NETWORKS	19	C	3
20HP1A0453	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	20	E	3
20HP1A0453	R2032042	VLSI DESIGN	21	D	3
20HP1A0453	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
20HP1A0453	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	9	C	1.5
20HP1A0453	R2032045	VLSI DESIGN LAB	12	B	1.5
20HP1A0453	R2032046	DIGITAL SIGNAL PROCESSING LAB	11	C	1.5
20HP1A0453	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	E	2
20HP1A0453	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0453	R203204B	MOBILE & CELLULAR COMMUNICATION	17	E	3
20HP1A0453	R203205K	COMPUTER NETWORKS	13	E	3
20HP1A0454	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	19	E	3
20HP1A0454	R2032042	VLSI DESIGN	21	F	0
20HP1A0454	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
20HP1A0454	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	6	F	0
20HP1A0454	R2032045	VLSI DESIGN LAB	13	C	1.5
20HP1A0454	R2032046	DIGITAL SIGNAL PROCESSING LAB	10	C	1.5
20HP1A0454	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0454	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0454	R203204B	MOBILE & CELLULAR COMMUNICATION	16	F	0
20HP1A0454	R203205K	COMPUTER NETWORKS	21	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0455	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	D	3
20HP1A0455	R2032042	VLSI DESIGN	25	D	3
20HP1A0455	R2032043	DIGITAL SIGNAL PROCESSING	22	D	3
20HP1A0455	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	9	C	1.5
20HP1A0455	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0455	R2032046	DIGITAL SIGNAL PROCESSING LAB	10	C	1.5
20HP1A0455	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0455	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0455	R203204B	MOBILE & CELLULAR COMMUNICATION	18	E	3
20HP1A0455	R203205K	COMPUTER NETWORKS	16	C	3
20HP1A0456	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	F	0
20HP1A0456	R2032042	VLSI DESIGN	26	C	3
20HP1A0456	R2032043	DIGITAL SIGNAL PROCESSING	26	F	0
20HP1A0456	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	8	E	1.5
20HP1A0456	R2032045	VLSI DESIGN LAB	14	C	1.5
20HP1A0456	R2032046	DIGITAL SIGNAL PROCESSING LAB	11	C	1.5
20HP1A0456	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0456	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0456	R203204B	MOBILE & CELLULAR COMMUNICATION	19	E	3
20HP1A0456	R203205K	COMPUTER NETWORKS	21	D	3
20HP1A0457	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	20	F	0
20HP1A0457	R2032042	VLSI DESIGN	19	E	3
20HP1A0457	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
20HP1A0457	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0457	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0457	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	C	1.5
20HP1A0457	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0457	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0457	R203204B	MOBILE & CELLULAR COMMUNICATION	17	F	0
20HP1A0457	R203205K	COMPUTER NETWORKS	15	F	0
20HP1A0458	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	C	3
20HP1A0458	R2032042	VLSI DESIGN	22	E	3
20HP1A0458	R2032043	DIGITAL SIGNAL PROCESSING	18	F	0
20HP1A0458	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	7	C	1.5
20HP1A0458	R2032045	VLSI DESIGN LAB	11	B	1.5
20HP1A0458	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0458	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0458	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0458	R203204B	MOBILE & CELLULAR COMMUNICATION	16	F	0
20HP1A0458	R203205K	COMPUTER NETWORKS	15	E	3
20HP1A0459	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	17	F	0
20HP1A0459	R2032042	VLSI DESIGN	15	F	0
20HP1A0459	R2032043	DIGITAL SIGNAL PROCESSING	15	F	0
20HP1A0459	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	3	AB	0
20HP1A0459	R2032045	VLSI DESIGN LAB	2	AB	0
20HP1A0459	R2032046	DIGITAL SIGNAL PROCESSING LAB	3	AB	0
20HP1A0459	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	AB	0
20HP1A0459	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0459	R203204B	MOBILE & CELLULAR COMMUNICATION	15	E	3
20HP1A0459	R203205K	COMPUTER NETWORKS	5	F	0
20HP1A0460	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0460	R2032042	VLSI DESIGN	26	D	3
20HP1A0460	R2032043	DIGITAL SIGNAL PROCESSING	25	D	3
20HP1A0460	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0460	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0460	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0460	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0460	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0460	R203204B	MOBILE & CELLULAR COMMUNICATION	20	D	3
20HP1A0460	R203205K	COMPUTER NETWORKS	19	C	3
20HP1A0461	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	C	3
20HP1A0461	R2032042	VLSI DESIGN	27	D	3
20HP1A0461	R2032043	DIGITAL SIGNAL PROCESSING	27	C	3
20HP1A0461	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0461	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A0461	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	B	1.5
20HP1A0461	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0461	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0461	R203204B	MOBILE & CELLULAR COMMUNICATION	22	D	3
20HP1A0461	R203205K	COMPUTER NETWORKS	24	D	3
20HP1A0462	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	D	3
20HP1A0462	R2032042	VLSI DESIGN	24	F	0
20HP1A0462	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A0462	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0462	R2032045	VLSI DESIGN LAB	14	B	1.5
20HP1A0462	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0462	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0462	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0462	R203204B	MOBILE & CELLULAR COMMUNICATION	21	E	3
20HP1A0462	R203205K	COMPUTER NETWORKS	22	C	3
20HP1A0463	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	E	3
20HP1A0463	R2032042	VLSI DESIGN	27	C	3
20HP1A0463	R2032043	DIGITAL SIGNAL PROCESSING	25	D	3
20HP1A0463	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A0463	R2032045	VLSI DESIGN LAB	13	B	1.5
20HP1A0463	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	B	1.5
20HP1A0463	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0463	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0463	R203204B	MOBILE & CELLULAR COMMUNICATION	19	D	3
20HP1A0463	R203205K	COMPUTER NETWORKS	19	D	3
20HP1A0464	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	B	3
20HP1A0464	R2032042	VLSI DESIGN	28	C	3
20HP1A0464	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A0464	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A0464	R2032045	VLSI DESIGN LAB	15	B	1.5
20HP1A0464	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
20HP1A0464	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0464	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0464	R203204B	MOBILE & CELLULAR COMMUNICATION	28	C	3
20HP1A0464	R203205K	COMPUTER NETWORKS	20	B	3
20HP1A0466	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0466	R2032042	VLSI DESIGN	26	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0466	R2032043	DIGITAL SIGNAL PROCESSING	25	C	3
20HP1A0466	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A	1.5
20HP1A0466	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A0466	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0466	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0466	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0466	R203204B	MOBILE & CELLULAR COMMUNICATION	26	C	3
20HP1A0466	R203205K	COMPUTER NETWORKS	19	D	3
20HP1A0467	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	D	3
20HP1A0467	R2032042	VLSI DESIGN	25	D	3
20HP1A0467	R2032043	DIGITAL SIGNAL PROCESSING	25	D	3
20HP1A0467	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	C	1.5
20HP1A0467	R2032045	VLSI DESIGN LAB	13	C	1.5
20HP1A0467	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0467	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0467	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0467	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
20HP1A0467	R203205K	COMPUTER NETWORKS	18	E	3
20HP1A0468	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	D	3
20HP1A0468	R2032042	VLSI DESIGN	24	E	3
20HP1A0468	R2032043	DIGITAL SIGNAL PROCESSING	23	D	3
20HP1A0468	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	C	1.5
20HP1A0468	R2032045	VLSI DESIGN LAB	14	B	1.5
20HP1A0468	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0468	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0468	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0468	R203204B	MOBILE & CELLULAR COMMUNICATION	20	D	3
20HP1A0468	R203205K	COMPUTER NETWORKS	17	C	3
20HP1A0470	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
20HP1A0470	R2032042	VLSI DESIGN	25	D	3
20HP1A0470	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A0470	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	8	D	1.5
20HP1A0470	R2032045	VLSI DESIGN LAB	15	B	1.5
20HP1A0470	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0470	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0470	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0470	R203204B	MOBILE & CELLULAR COMMUNICATION	25	D	3
20HP1A0470	R203205K	COMPUTER NETWORKS	16	E	3
20HP1A0471	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	F	0
20HP1A0471	R2032042	VLSI DESIGN	28	C	3
20HP1A0471	R2032043	DIGITAL SIGNAL PROCESSING	21	F	0
20HP1A0471	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	E	1.5
20HP1A0471	R2032045	VLSI DESIGN LAB	14	B	1.5
20HP1A0471	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0471	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0471	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0471	R203204B	MOBILE & CELLULAR COMMUNICATION	22	E	3
20HP1A0471	R203205K	COMPUTER NETWORKS	18	E	3
20HP1A0472	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	B	3
20HP1A0472	R2032042	VLSI DESIGN	28	C	3
20HP1A0472	R2032043	DIGITAL SIGNAL PROCESSING	28	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0472	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	D	1.5
20HP1A0472	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A0472	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0472	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0472	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0472	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
20HP1A0472	R203205K	COMPUTER NETWORKS	20	B	3
20HP1A0473	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	F	0
20HP1A0473	R2032042	VLSI DESIGN	24	D	3
20HP1A0473	R2032043	DIGITAL SIGNAL PROCESSING	25	F	0
20HP1A0473	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	4	E	1.5
20HP1A0473	R2032045	VLSI DESIGN LAB	5	E	1.5
20HP1A0473	R2032046	DIGITAL SIGNAL PROCESSING LAB	8	D	1.5
20HP1A0473	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0473	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0473	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
20HP1A0473	R203205K	COMPUTER NETWORKS	16	D	3
20HP1A0474	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	F	0
20HP1A0474	R2032042	VLSI DESIGN	26	D	3
20HP1A0474	R2032043	DIGITAL SIGNAL PROCESSING	24	E	3
20HP1A0474	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	7	E	1.5
20HP1A0474	R2032045	VLSI DESIGN LAB	14	C	1.5
20HP1A0474	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	C	1.5
20HP1A0474	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0474	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0474	R203204B	MOBILE & CELLULAR COMMUNICATION	19	E	3
20HP1A0474	R203205K	COMPUTER NETWORKS	15	E	3
20HP1A0475	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	30	B	3
20HP1A0475	R2032042	VLSI DESIGN	29	B	3
20HP1A0475	R2032043	DIGITAL SIGNAL PROCESSING	29	B	3
20HP1A0475	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0475	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0475	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A0475	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0475	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0475	R203204B	MOBILE & CELLULAR COMMUNICATION	25	C	3
20HP1A0475	R203205K	COMPUTER NETWORKS	20	C	3
20HP1A0476	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	29	B	3
20HP1A0476	R2032042	VLSI DESIGN	29	C	3
20HP1A0476	R2032043	DIGITAL SIGNAL PROCESSING	28	C	3
20HP1A0476	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
20HP1A0476	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0476	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0476	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0476	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0476	R203204B	MOBILE & CELLULAR COMMUNICATION	26	C	3
20HP1A0476	R203205K	COMPUTER NETWORKS	22	B	3
20HP1A0477	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	F	0
20HP1A0477	R2032042	VLSI DESIGN	22	C	3
20HP1A0477	R2032043	DIGITAL SIGNAL PROCESSING	24	C	3
20HP1A0477	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	C	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0477	R2032045	VLSI DESIGN LAB	13	B	1.5
20HP1A0477	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	C	1.5
20HP1A0477	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0477	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0477	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
20HP1A0477	R203205K	COMPUTER NETWORKS	15	D	3
20HP1A0478	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	28	F	0
20HP1A0478	R2032042	VLSI DESIGN	24	D	3
20HP1A0478	R2032043	DIGITAL SIGNAL PROCESSING	24	E	3
20HP1A0478	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	D	1.5
20HP1A0478	R2032045	VLSI DESIGN LAB	13	C	1.5
20HP1A0478	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0478	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0478	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0478	R203204B	MOBILE & CELLULAR COMMUNICATION	26	D	3
20HP1A0478	R203205K	COMPUTER NETWORKS	17	D	3
20HP1A0479	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	24	B	3
20HP1A0479	R2032042	VLSI DESIGN	21	D	3
20HP1A0479	R2032043	DIGITAL SIGNAL PROCESSING	25	D	3
20HP1A0479	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	C	1.5
20HP1A0479	R2032045	VLSI DESIGN LAB	14	B	1.5
20HP1A0479	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	C	1.5
20HP1A0479	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0479	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0479	R203204B	MOBILE & CELLULAR COMMUNICATION	23	B	3
20HP1A0479	R203205K	COMPUTER NETWORKS	17	D	3
20HP1A0480	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0480	R2032042	VLSI DESIGN	24	D	3
20HP1A0480	R2032043	DIGITAL SIGNAL PROCESSING	27	D	3
20HP1A0480	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A0480	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0480	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0480	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0480	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0480	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
20HP1A0480	R203205K	COMPUTER NETWORKS	13	E	3
20HP1A0481	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	F	0
20HP1A0481	R2032042	VLSI DESIGN	21	E	3
20HP1A0481	R2032043	DIGITAL SIGNAL PROCESSING	27	D	3
20HP1A0481	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	E	1.5
20HP1A0481	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0481	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	C	1.5
20HP1A0481	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0481	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0481	R203204B	MOBILE & CELLULAR COMMUNICATION	22	E	3
20HP1A0481	R203205K	COMPUTER NETWORKS	17	E	3
20HP1A0482	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	C	3
20HP1A0482	R2032042	VLSI DESIGN	26	C	3
20HP1A0482	R2032043	DIGITAL SIGNAL PROCESSING	28	B	3
20HP1A0482	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	C	1.5
20HP1A0482	R2032045	VLSI DESIGN LAB	15	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0482	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0482	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0482	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0482	R203204B	MOBILE & CELLULAR COMMUNICATION	26	D	3
20HP1A0482	R203205K	COMPUTER NETWORKS	21	A	3
20HP1A0483	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0483	R2032042	VLSI DESIGN	20	D	3
20HP1A0483	R2032043	DIGITAL SIGNAL PROCESSING	25	F	0
20HP1A0483	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	B	1.5
20HP1A0483	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A0483	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0483	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0483	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0483	R203204B	MOBILE & CELLULAR COMMUNICATION	24	C	3
20HP1A0483	R203205K	COMPUTER NETWORKS	20	D	3
20HP1A0484	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	B	3
20HP1A0484	R2032042	VLSI DESIGN	22	D	3
20HP1A0484	R2032043	DIGITAL SIGNAL PROCESSING	26	C	3
20HP1A0484	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A0484	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0484	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0484	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0484	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0484	R203204B	MOBILE & CELLULAR COMMUNICATION	25	C	3
20HP1A0484	R203205K	COMPUTER NETWORKS	19	C	3
20HP1A0485	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	C	3
20HP1A0485	R2032042	VLSI DESIGN	28	C	3
20HP1A0485	R2032043	DIGITAL SIGNAL PROCESSING	27	B	3
20HP1A0485	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A0485	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0485	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0485	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0485	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0485	R203204B	MOBILE & CELLULAR COMMUNICATION	22	C	3
20HP1A0485	R203205K	COMPUTER NETWORKS	22	D	3
20HP1A0486	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0486	R2032042	VLSI DESIGN	27	D	3
20HP1A0486	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A0486	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	C	1.5
20HP1A0486	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0486	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0486	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0486	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0486	R203204B	MOBILE & CELLULAR COMMUNICATION	24	E	3
20HP1A0486	R203205K	COMPUTER NETWORKS	17	C	3
20HP1A0487	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0487	R2032042	VLSI DESIGN	27	C	3
20HP1A0487	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A0487	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A0487	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0487	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0487	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0487	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0487	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
20HP1A0487	R203205K	COMPUTER NETWORKS	17	E	3
20HP1A0488	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	29	B	3
20HP1A0488	R2032042	VLSI DESIGN	29	B	3
20HP1A0488	R2032043	DIGITAL SIGNAL PROCESSING	26	B	3
20HP1A0488	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A+	1.5
20HP1A0488	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0488	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0488	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0488	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0488	R203204B	MOBILE & CELLULAR COMMUNICATION	28	B	3
20HP1A0488	R203205K	COMPUTER NETWORKS	21	B	3
20HP1A0489	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	28	D	3
20HP1A0489	R2032042	VLSI DESIGN	27	C	3
20HP1A0489	R2032043	DIGITAL SIGNAL PROCESSING	27	D	3
20HP1A0489	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
20HP1A0489	R2032045	VLSI DESIGN LAB	13	B	1.5
20HP1A0489	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	C	1.5
20HP1A0489	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0489	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0489	R203204B	MOBILE & CELLULAR COMMUNICATION	25	C	3
20HP1A0489	R203205K	COMPUTER NETWORKS	16	E	3
20HP1A0490	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	28	D	3
20HP1A0490	R2032042	VLSI DESIGN	26	D	3
20HP1A0490	R2032043	DIGITAL SIGNAL PROCESSING	26	C	3
20HP1A0490	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	C	1.5
20HP1A0490	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A0490	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0490	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0490	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0490	R203204B	MOBILE & CELLULAR COMMUNICATION	24	C	3
20HP1A0490	R203205K	COMPUTER NETWORKS	17	C	3
20HP1A0491	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	18	F	0
20HP1A0491	R2032042	VLSI DESIGN	20	D	3
20HP1A0491	R2032043	DIGITAL SIGNAL PROCESSING	18	F	0
20HP1A0491	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	9	E	1.5
20HP1A0491	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A0491	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0491	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0491	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0491	R203204B	MOBILE & CELLULAR COMMUNICATION	16	E	3
20HP1A0491	R203205K	COMPUTER NETWORKS	15	D	3
20HP1A0493	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	30	B	3
20HP1A0493	R2032042	VLSI DESIGN	28	C	3
20HP1A0493	R2032043	DIGITAL SIGNAL PROCESSING	27	C	3
20HP1A0493	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A+	1.5
20HP1A0493	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A0493	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A0493	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0493	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A0493	R203204B	MOBILE & CELLULAR COMMUNICATION	28	A+	3
20HP1A0493	R203205K	COMPUTER NETWORKS	22	B	3
20HP1A0494	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0494	R2032042	VLSI DESIGN	28	C	3
20HP1A0494	R2032043	DIGITAL SIGNAL PROCESSING	27	B	3
20HP1A0494	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A0494	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A0494	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
20HP1A0494	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0494	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0494	R203204B	MOBILE & CELLULAR COMMUNICATION	25	B	3
20HP1A0494	R203205K	COMPUTER NETWORKS	23	B	3
20HP1A0495	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	F	0
20HP1A0495	R2032042	VLSI DESIGN	23	F	0
20HP1A0495	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A0495	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	B	1.5
20HP1A0495	R2032045	VLSI DESIGN LAB	11	C	1.5
20HP1A0495	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0495	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0495	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A0495	R203204B	MOBILE & CELLULAR COMMUNICATION	22	F	0
20HP1A0495	R203205K	COMPUTER NETWORKS	16	E	3
20HP1A0497	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	C	3
20HP1A0497	R2032042	VLSI DESIGN	27	C	3
20HP1A0497	R2032043	DIGITAL SIGNAL PROCESSING	27	B	3
20HP1A0497	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A0497	R2032045	VLSI DESIGN LAB	13	A	1.5
20HP1A0497	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0497	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0497	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A0497	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
20HP1A0497	R203205K	COMPUTER NETWORKS	20	D	3
20HP1A0498	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	D	3
20HP1A0498	R2032042	VLSI DESIGN	23	E	3
20HP1A0498	R2032043	DIGITAL SIGNAL PROCESSING	20	F	0
20HP1A0498	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	C	1.5
20HP1A0498	R2032045	VLSI DESIGN LAB	13	D	1.5
20HP1A0498	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A0498	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A0498	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A0498	R203204B	MOBILE & CELLULAR COMMUNICATION	23	D	3
20HP1A0498	R203205K	COMPUTER NETWORKS	16	C	3
20HP1A0499	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	D	3
20HP1A0499	R2032042	VLSI DESIGN	19	D	3
20HP1A0499	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A0499	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
20HP1A0499	R2032045	VLSI DESIGN LAB	14	C	1.5
20HP1A0499	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A0499	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A0499	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0499	R203204B	MOBILE & CELLULAR COMMUNICATION	22	C	3
20HP1A0499	R203205K	COMPUTER NETWORKS	16	D	3
20HP1A04A0	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	C	3
20HP1A04A0	R2032042	VLSI DESIGN	28	C	3
20HP1A04A0	R2032043	DIGITAL SIGNAL PROCESSING	28	C	3
20HP1A04A0	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	B	1.5
20HP1A04A0	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A04A0	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A04A0	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04A0	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A04A0	R203204B	MOBILE & CELLULAR COMMUNICATION	25	D	3
20HP1A04A0	R203205K	COMPUTER NETWORKS	16	C	3
20HP1A04A1	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	20	E	3
20HP1A04A1	R2032042	VLSI DESIGN	16	E	3
20HP1A04A1	R2032043	DIGITAL SIGNAL PROCESSING	18	E	3
20HP1A04A1	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	C	1.5
20HP1A04A1	R2032045	VLSI DESIGN LAB	11	C	1.5
20HP1A04A1	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	C	1.5
20HP1A04A1	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04A1	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A04A1	R203204B	MOBILE & CELLULAR COMMUNICATION	25	D	3
20HP1A04A1	R203205K	COMPUTER NETWORKS	19	F	0
20HP1A04A2	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	B	3
20HP1A04A2	R2032042	VLSI DESIGN	24	C	3
20HP1A04A2	R2032043	DIGITAL SIGNAL PROCESSING	27	C	3
20HP1A04A2	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A+	1.5
20HP1A04A2	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A04A2	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04A2	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04A2	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A04A2	R203204B	MOBILE & CELLULAR COMMUNICATION	24	C	3
20HP1A04A2	R203205K	COMPUTER NETWORKS	18	C	3
20HP1A04A4	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	19	F	0
20HP1A04A4	R2032042	VLSI DESIGN	22	F	0
20HP1A04A4	R2032043	DIGITAL SIGNAL PROCESSING	20	F	0
20HP1A04A4	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	9	D	1.5
20HP1A04A4	R2032045	VLSI DESIGN LAB	13	B	1.5
20HP1A04A4	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	C	1.5
20HP1A04A4	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	AB	0
20HP1A04A4	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A04A4	R203204B	MOBILE & CELLULAR COMMUNICATION	19	E	3
20HP1A04A4	R203205K	COMPUTER NETWORKS	16	E	3
20HP1A04A5	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	26	B	3
20HP1A04A5	R2032042	VLSI DESIGN	28	B	3
20HP1A04A5	R2032043	DIGITAL SIGNAL PROCESSING	29	B	3
20HP1A04A5	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A04A5	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A04A5	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04A5	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04A5	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A04A5	R203204B	MOBILE & CELLULAR COMMUNICATION	26	B	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A04A5	R203205K	COMPUTER NETWORKS	18	B	3
20HP1A04A6	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	18	F	0
20HP1A04A6	R2032042	VLSI DESIGN	24	D	3
20HP1A04A6	R2032043	DIGITAL SIGNAL PROCESSING	18	F	0
20HP1A04A6	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	11	D	1.5
20HP1A04A6	R2032045	VLSI DESIGN LAB	13	C	1.5
20HP1A04A6	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
20HP1A04A6	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A04A6	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A04A6	R203204B	MOBILE & CELLULAR COMMUNICATION	16	F	0
20HP1A04A6	R203205K	COMPUTER NETWORKS	15	E	3
20HP1A04A7	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	29	B	3
20HP1A04A7	R2032042	VLSI DESIGN	29	B	3
20HP1A04A7	R2032043	DIGITAL SIGNAL PROCESSING	28	C	3
20HP1A04A7	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A04A7	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A04A7	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04A7	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04A7	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A04A7	R203204B	MOBILE & CELLULAR COMMUNICATION	26	B	3
20HP1A04A7	R203205K	COMPUTER NETWORKS	23	C	3
20HP1A04A9	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	E	3
20HP1A04A9	R2032042	VLSI DESIGN	20	D	3
20HP1A04A9	R2032043	DIGITAL SIGNAL PROCESSING	20	D	3
20HP1A04A9	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
20HP1A04A9	R2032045	VLSI DESIGN LAB	13	B	1.5
20HP1A04A9	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	C	1.5
20HP1A04A9	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A04A9	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A04A9	R203204B	MOBILE & CELLULAR COMMUNICATION	23	D	3
20HP1A04A9	R203205K	COMPUTER NETWORKS	21	C	3
20HP1A04B0	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	F	0
20HP1A04B0	R2032042	VLSI DESIGN	23	D	3
20HP1A04B0	R2032043	DIGITAL SIGNAL PROCESSING	25	E	3
20HP1A04B0	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	7	E	1.5
20HP1A04B0	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A04B0	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04B0	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A04B0	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A04B0	R203204B	MOBILE & CELLULAR COMMUNICATION	23	F	0
20HP1A04B0	R203205K	COMPUTER NETWORKS	17	D	3
20HP1A04B1	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	B	3
20HP1A04B1	R2032042	VLSI DESIGN	28	C	3
20HP1A04B1	R2032043	DIGITAL SIGNAL PROCESSING	27	C	3
20HP1A04B1	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	C	1.5
20HP1A04B1	R2032045	VLSI DESIGN LAB	14	B	1.5
20HP1A04B1	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A04B1	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A04B1	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A04B1	R203204B	MOBILE & CELLULAR COMMUNICATION	25	C	3
20HP1A04B1	R203205K	COMPUTER NETWORKS	22	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A04B2	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	28	B	3
20HP1A04B2	R2032042	VLSI DESIGN	28	D	3
20HP1A04B2	R2032043	DIGITAL SIGNAL PROCESSING	28	B	3
20HP1A04B2	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A+	1.5
20HP1A04B2	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A04B2	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04B2	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04B2	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A04B2	R203204B	MOBILE & CELLULAR COMMUNICATION	27	C	3
20HP1A04B2	R203205K	COMPUTER NETWORKS	24	B	3
20HP1A04B3	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	28	B	3
20HP1A04B3	R2032042	VLSI DESIGN	28	B	3
20HP1A04B3	R2032043	DIGITAL SIGNAL PROCESSING	26	B	3
20HP1A04B3	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	A+	1.5
20HP1A04B3	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A04B3	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04B3	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04B3	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A04B3	R203204B	MOBILE & CELLULAR COMMUNICATION	26	B	3
20HP1A04B3	R203205K	COMPUTER NETWORKS	23	B	3
20HP1A04B4	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	29	C	3
20HP1A04B4	R2032042	VLSI DESIGN	28	C	3
20HP1A04B4	R2032043	DIGITAL SIGNAL PROCESSING	24	C	3
20HP1A04B4	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	B	1.5
20HP1A04B4	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A04B4	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04B4	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04B4	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A04B4	R203204B	MOBILE & CELLULAR COMMUNICATION	25	D	3
20HP1A04B4	R203205K	COMPUTER NETWORKS	18	A	3
20HP1A04B5	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	24	D	3
20HP1A04B5	R2032042	VLSI DESIGN	25	C	3
20HP1A04B5	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
20HP1A04B5	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
20HP1A04B5	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A04B5	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A	1.5
20HP1A04B5	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04B5	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A04B5	R203204B	MOBILE & CELLULAR COMMUNICATION	24	C	3
20HP1A04B5	R203205K	COMPUTER NETWORKS	18	D	3
20HP1A04B6	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	29	B	3
20HP1A04B6	R2032042	VLSI DESIGN	29	C	3
20HP1A04B6	R2032043	DIGITAL SIGNAL PROCESSING	27	D	3
20HP1A04B6	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	B	1.5
20HP1A04B6	R2032045	VLSI DESIGN LAB	15	A+	1.5
20HP1A04B6	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04B6	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04B6	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A04B6	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
20HP1A04B6	R203205K	COMPUTER NETWORKS	20	B	3
20HP1A04B7	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	21	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A04B7	R2032042	VLSI DESIGN	23	D	3
20HP1A04B7	R2032043	DIGITAL SIGNAL PROCESSING	23	D	3
20HP1A04B7	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	C	1.5
20HP1A04B7	R2032045	VLSI DESIGN LAB	15	A	1.5
20HP1A04B7	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
20HP1A04B7	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A04B7	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A04B7	R203204B	MOBILE & CELLULAR COMMUNICATION	18	D	3
20HP1A04B7	R203205K	COMPUTER NETWORKS	16	D	3
20HP1A04B8	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	24	B	3
20HP1A04B8	R2032042	VLSI DESIGN	28	B	3
20HP1A04B8	R2032043	DIGITAL SIGNAL PROCESSING	29	B	3
20HP1A04B8	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	B	1.5
20HP1A04B8	R2032045	VLSI DESIGN LAB	14	B	1.5
20HP1A04B8	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A04B8	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A04B8	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
20HP1A04B8	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
20HP1A04B8	R203205K	COMPUTER NETWORKS	22	A	3
20HP1A04B9	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	C	3
20HP1A04B9	R2032042	VLSI DESIGN	21	D	3
20HP1A04B9	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
20HP1A04B9	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	B	1.5
20HP1A04B9	R2032045	VLSI DESIGN LAB	12	C	1.5
20HP1A04B9	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	A+	1.5
20HP1A04B9	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
20HP1A04B9	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A04B9	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
20HP1A04B9	R203205K	COMPUTER NETWORKS	21	D	3
20HP1A04C0	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	18	D	3
20HP1A04C0	R2032042	VLSI DESIGN	20	E	3
20HP1A04C0	R2032043	DIGITAL SIGNAL PROCESSING	19	F	0
20HP1A04C0	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	B	1.5
20HP1A04C0	R2032045	VLSI DESIGN LAB	15	B	1.5
20HP1A04C0	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
20HP1A04C0	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04C0	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A04C0	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
20HP1A04C0	R203205K	COMPUTER NETWORKS	19	D	3
20HP1A04C1	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	29	B	3
20HP1A04C1	R2032042	VLSI DESIGN	29	B	3
20HP1A04C1	R2032043	DIGITAL SIGNAL PROCESSING	29	A	3
20HP1A04C1	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	15	A+	1.5
20HP1A04C1	R2032045	VLSI DESIGN LAB	14	A+	1.5
20HP1A04C1	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04C1	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04C1	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A04C1	R203204B	MOBILE & CELLULAR COMMUNICATION	27	B	3
20HP1A04C1	R203205K	COMPUTER NETWORKS	25	B	3
20HP1A04C2	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	28	C	3
20HP1A04C2	R2032042	VLSI DESIGN	27	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A04C2	R2032043	DIGITAL SIGNAL PROCESSING	26	D	3
20HP1A04C2	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	D	1.5
20HP1A04C2	R2032045	VLSI DESIGN LAB	15	B	1.5
20HP1A04C2	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
20HP1A04C2	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04C2	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
20HP1A04C2	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
20HP1A04C2	R203205K	COMPUTER NETWORKS	20	B	3
20HP1A04C3	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	C	3
20HP1A04C3	R2032042	VLSI DESIGN	28	C	3
20HP1A04C3	R2032043	DIGITAL SIGNAL PROCESSING	22	D	3
20HP1A04C3	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	B	1.5
20HP1A04C3	R2032045	VLSI DESIGN LAB	14	A	1.5
20HP1A04C3	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	A+	1.5
20HP1A04C3	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
20HP1A04C3	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
20HP1A04C3	R203204B	MOBILE & CELLULAR COMMUNICATION	25	C	3
20HP1A04C3	R203205K	COMPUTER NETWORKS	19	D	3
20HP1A04C4	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	16	E	3
20HP1A04C4	R2032042	VLSI DESIGN	19	F	0
20HP1A04C4	R2032043	DIGITAL SIGNAL PROCESSING	18	F	0
20HP1A04C4	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	3	F	0
20HP1A04C4	R2032045	VLSI DESIGN LAB	9	C	1.5
20HP1A04C4	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A	1.5
20HP1A04C4	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	AB	0
20HP1A04C4	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
20HP1A04C4	R203204B	MOBILE & CELLULAR COMMUNICATION	15	F	0
20HP1A04C4	R203205K	COMPUTER NETWORKS	14	F	0
20HP1A0501	R203204L	IOT AND APPLICATIONS	27	F	0
20HP1A0501	R2032051	MACHINE LEARNING	23	F	0
20HP1A0501	R2032052	COMPILER DESIGN	19	F	0
20HP1A0501	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	F	0
20HP1A0501	R2032054	MACHINE LEARNING USING PYTHON LAB	11	B	1.5
20HP1A0501	R2032055	COMPILER DESIGN LAB	13	A	1.5
20HP1A0501	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0501	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0501	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0501	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	E	3
20HP1A0502	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0502	R2032051	MACHINE LEARNING	28	C	3
20HP1A0502	R2032052	COMPILER DESIGN	22	D	3
20HP1A0502	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	B	3
20HP1A0502	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0502	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0502	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0502	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0502	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0502	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A0503	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0503	R2032051	MACHINE LEARNING	29	C	3
20HP1A0503	R2032052	COMPILER DESIGN	27	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0503	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A0503	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0503	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0503	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A0503	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0503	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0503	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	D	3
20HP1A0504	R203204L	IOT AND APPLICATIONS	28	C	3
20HP1A0504	R2032051	MACHINE LEARNING	29	B	3
20HP1A0504	R2032052	COMPILER DESIGN	26	C	3
20HP1A0504	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A0504	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0504	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0504	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0504	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0504	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0504	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	C	3
20HP1A0505	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0505	R2032051	MACHINE LEARNING	27	C	3
20HP1A0505	R2032052	COMPILER DESIGN	25	B	3
20HP1A0505	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A0505	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0505	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0505	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0505	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0505	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0505	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	B	3
20HP1A0506	R203204L	IOT AND APPLICATIONS	26	C	3
20HP1A0506	R2032051	MACHINE LEARNING	26	C	3
20HP1A0506	R2032052	COMPILER DESIGN	26	D	3
20HP1A0506	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	B	3
20HP1A0506	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0506	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0506	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0506	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0506	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0506	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
20HP1A0507	R203204L	IOT AND APPLICATIONS	27	B	3
20HP1A0507	R2032051	MACHINE LEARNING	28	C	3
20HP1A0507	R2032052	COMPILER DESIGN	25	C	3
20HP1A0507	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0507	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A0507	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0507	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0507	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0507	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0507	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0508	R203204L	IOT AND APPLICATIONS	25	D	3
20HP1A0508	R2032051	MACHINE LEARNING	30	B	3
20HP1A0508	R2032052	COMPILER DESIGN	28	C	3
20HP1A0508	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0508	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0508	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0508	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0508	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0508	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0508	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A0509	R203204L	IOT AND APPLICATIONS	29	C	3
20HP1A0509	R2032051	MACHINE LEARNING	30	A	3
20HP1A0509	R2032052	COMPILER DESIGN	29	A	3
20HP1A0509	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	B	3
20HP1A0509	R2032054	MACHINE LEARNING USING PYTHON LAB	10	B	1.5
20HP1A0509	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0509	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A0509	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0509	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0509	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	A	3
20HP1A0510	R203204L	IOT AND APPLICATIONS	27	B	3
20HP1A0510	R2032051	MACHINE LEARNING	29	B	3
20HP1A0510	R2032052	COMPILER DESIGN	28	C	3
20HP1A0510	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	A	3
20HP1A0510	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0510	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0510	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0510	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0510	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0510	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
20HP1A0511	R203204L	IOT AND APPLICATIONS	27	A	3
20HP1A0511	R2032051	MACHINE LEARNING	27	C	3
20HP1A0511	R2032052	COMPILER DESIGN	26	C	3
20HP1A0511	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0511	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0511	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0511	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0511	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0511	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0511	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0512	R203204L	IOT AND APPLICATIONS	26	D	3
20HP1A0512	R2032051	MACHINE LEARNING	29	C	3
20HP1A0512	R2032052	COMPILER DESIGN	28	B	3
20HP1A0512	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	C	3
20HP1A0512	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0512	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0512	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0512	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0512	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0512	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	C	3
20HP1A0513	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0513	R2032051	MACHINE LEARNING	26	C	3
20HP1A0513	R2032052	COMPILER DESIGN	20	D	3
20HP1A0513	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	C	3
20HP1A0513	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0513	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0513	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0513	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0513	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0513	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0514	R203204L	IOT AND APPLICATIONS	28	C	3
20HP1A0514	R2032051	MACHINE LEARNING	30	B	3
20HP1A0514	R2032052	COMPILER DESIGN	28	C	3
20HP1A0514	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	A	3
20HP1A0514	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0514	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0514	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0514	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0514	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0514	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A0515	R203204L	IOT AND APPLICATIONS	28	B	3
20HP1A0515	R2032051	MACHINE LEARNING	29	B	3
20HP1A0515	R2032052	COMPILER DESIGN	28	C	3
20HP1A0515	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0515	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0515	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0515	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0515	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0515	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0515	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0516	R203204L	IOT AND APPLICATIONS	26	D	3
20HP1A0516	R2032051	MACHINE LEARNING	28	C	3
20HP1A0516	R2032052	COMPILER DESIGN	25	C	3
20HP1A0516	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0516	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0516	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0516	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0516	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0516	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0516	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0517	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0517	R2032051	MACHINE LEARNING	28	C	3
20HP1A0517	R2032052	COMPILER DESIGN	22	C	3
20HP1A0517	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0517	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A+	1.5
20HP1A0517	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0517	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0517	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0517	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0517	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A0518	R203204L	IOT AND APPLICATIONS	24	B	3
20HP1A0518	R2032051	MACHINE LEARNING	28	B	3
20HP1A0518	R2032052	COMPILER DESIGN	25	D	3
20HP1A0518	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	A	3
20HP1A0518	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A0518	R2032055	COMPILER DESIGN LAB	14	A+	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0518	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0518	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0518	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0518	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A0519	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0519	R2032051	MACHINE LEARNING	30	B	3
20HP1A0519	R2032052	COMPILER DESIGN	27	C	3
20HP1A0519	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	B	3
20HP1A0519	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0519	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0519	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0519	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0519	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0519	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	B	3
20HP1A0520	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A0520	R2032051	MACHINE LEARNING	30	B	3
20HP1A0520	R2032052	COMPILER DESIGN	21	C	3
20HP1A0520	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	C	3
20HP1A0520	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0520	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0520	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0520	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0520	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0520	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A0521	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0521	R2032051	MACHINE LEARNING	23	C	3
20HP1A0521	R2032052	COMPILER DESIGN	24	C	3
20HP1A0521	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	C	3
20HP1A0521	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0521	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0521	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0521	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0521	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0521	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	B	3
20HP1A0522	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0522	R2032051	MACHINE LEARNING	28	C	3
20HP1A0522	R2032052	COMPILER DESIGN	28	C	3
20HP1A0522	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A0522	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0522	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0522	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0522	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0522	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0522	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0523	R203204L	IOT AND APPLICATIONS	27	B	3
20HP1A0523	R2032051	MACHINE LEARNING	25	C	3
20HP1A0523	R2032052	COMPILER DESIGN	19	E	3
20HP1A0523	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A0523	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0523	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0523	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0523	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0523	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0523	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0524	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0524	R2032051	MACHINE LEARNING	28	C	3
20HP1A0524	R2032052	COMPILER DESIGN	22	D	3
20HP1A0524	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	D	3
20HP1A0524	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0524	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0524	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0524	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0524	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0524	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0525	R203204L	IOT AND APPLICATIONS	20	AB	0
20HP1A0525	R2032051	MACHINE LEARNING	12	AB	0
20HP1A0525	R2032052	COMPILER DESIGN	19	AB	0
20HP1A0525	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	AB	0
20HP1A0525	R2032054	MACHINE LEARNING USING PYTHON LAB	10	AB	0
20HP1A0525	R2032055	COMPILER DESIGN LAB	10	AB	0
20HP1A0525	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	7	AB	0
20HP1A0525	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	AB	0
20HP1A0525	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0525	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	17	AB	0
20HP1A0526	R203204L	IOT AND APPLICATIONS	29	C	3
20HP1A0526	R2032051	MACHINE LEARNING	27	C	3
20HP1A0526	R2032052	COMPILER DESIGN	21	D	3
20HP1A0526	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A0526	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0526	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0526	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0526	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0526	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0526	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A0527	R203204L	IOT AND APPLICATIONS	26	C	3
20HP1A0527	R2032051	MACHINE LEARNING	25	A	3
20HP1A0527	R2032052	COMPILER DESIGN	22	D	3
20HP1A0527	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A0527	R2032054	MACHINE LEARNING USING PYTHON LAB	9	B	1.5
20HP1A0527	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0527	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0527	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A0527	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0527	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A0528	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A0528	R2032051	MACHINE LEARNING	29	B	3
20HP1A0528	R2032052	COMPILER DESIGN	26	C	3
20HP1A0528	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A0528	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0528	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0528	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0528	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0528	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0528	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	C	3
20HP1A0529	R203204L	IOT AND APPLICATIONS	28	C	3
20HP1A0529	R2032051	MACHINE LEARNING	30	B	3
20HP1A0529	R2032052	COMPILER DESIGN	27	B	3
20HP1A0529	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A0529	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
20HP1A0529	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0529	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0529	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0529	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0529	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	A	3
20HP1A0530	R203204L	IOT AND APPLICATIONS	23	C	3
20HP1A0530	R2032051	MACHINE LEARNING	24	C	3
20HP1A0530	R2032052	COMPILER DESIGN	22	D	3
20HP1A0530	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	B	3
20HP1A0530	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0530	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0530	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A0530	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0530	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0530	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	C	3
20HP1A0531	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A0531	R2032051	MACHINE LEARNING	28	C	3
20HP1A0531	R2032052	COMPILER DESIGN	23	D	3
20HP1A0531	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A0531	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0531	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0531	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0531	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0531	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0531	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0532	R203204L	IOT AND APPLICATIONS	26	C	3
20HP1A0532	R2032051	MACHINE LEARNING	28	C	3
20HP1A0532	R2032052	COMPILER DESIGN	26	C	3
20HP1A0532	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A0532	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0532	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0532	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0532	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0532	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0532	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	D	3
20HP1A0533	R203204L	IOT AND APPLICATIONS	29	C	3
20HP1A0533	R2032051	MACHINE LEARNING	30	B	3
20HP1A0533	R2032052	COMPILER DESIGN	29	B	3
20HP1A0533	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	B	3
20HP1A0533	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0533	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0533	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A0533	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0533	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0533	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	30	B	3
20HP1A0534	R203204L	IOT AND APPLICATIONS	28	C	3
20HP1A0534	R2032051	MACHINE LEARNING	27	C	3
20HP1A0534	R2032052	COMPILER DESIGN	28	C	3
20HP1A0534	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	A	3
20HP1A0534	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0534	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0534	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0534	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0534	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A0534	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0535	R203204L	IOT AND APPLICATIONS	24	C	3
20HP1A0535	R2032051	MACHINE LEARNING	24	C	3
20HP1A0535	R2032052	COMPILER DESIGN	18	E	3
20HP1A0535	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	17	D	3
20HP1A0535	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0535	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0535	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
20HP1A0535	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0535	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0535	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	20	E	3
20HP1A0536	R203204L	IOT AND APPLICATIONS	26	D	3
20HP1A0536	R2032051	MACHINE LEARNING	28	C	3
20HP1A0536	R2032052	COMPILER DESIGN	25	D	3
20HP1A0536	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	C	3
20HP1A0536	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0536	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0536	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0536	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0536	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0536	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	C	3
20HP1A0537	R203204L	IOT AND APPLICATIONS	24	E	3
20HP1A0537	R2032051	MACHINE LEARNING	21	E	3
20HP1A0537	R2032052	COMPILER DESIGN	19	E	3
20HP1A0537	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	18	E	3
20HP1A0537	R2032054	MACHINE LEARNING USING PYTHON LAB	14	C	1.5
20HP1A0537	R2032055	COMPILER DESIGN LAB	13	A	1.5
20HP1A0537	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0537	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A0537	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0537	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	C	3
20HP1A0538	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0538	R2032051	MACHINE LEARNING	24	C	3
20HP1A0538	R2032052	COMPILER DESIGN	21	D	3
20HP1A0538	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	18	C	3
20HP1A0538	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0538	R2032055	COMPILER DESIGN LAB	13	A	1.5
20HP1A0538	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A0538	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0538	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0538	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0539	R203204L	IOT AND APPLICATIONS	28	C	3
20HP1A0539	R2032051	MACHINE LEARNING	27	D	3
20HP1A0539	R2032052	COMPILER DESIGN	23	D	3
20HP1A0539	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A0539	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0539	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0539	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A0539	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0539	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0539	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0540	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0540	R2032051	MACHINE LEARNING	28	C	3
20HP1A0540	R2032052	COMPILER DESIGN	27	D	3
20HP1A0540	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	C	3
20HP1A0540	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0540	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0540	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0540	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0540	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A0540	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
20HP1A0541	R203204L	IOT AND APPLICATIONS	24	D	3
20HP1A0541	R2032051	MACHINE LEARNING	28	C	3
20HP1A0541	R2032052	COMPILER DESIGN	23	C	3
20HP1A0541	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	D	3
20HP1A0541	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0541	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0541	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0541	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0541	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A0541	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	C	3
20HP1A0542	R203204L	IOT AND APPLICATIONS	26	B	3
20HP1A0542	R2032051	MACHINE LEARNING	29	C	3
20HP1A0542	R2032052	COMPILER DESIGN	27	D	3
20HP1A0542	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A0542	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0542	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0542	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0542	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0542	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0542	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0544	R203204L	IOT AND APPLICATIONS	28	B	3
20HP1A0544	R2032051	MACHINE LEARNING	30	B	3
20HP1A0544	R2032052	COMPILER DESIGN	24	D	3
20HP1A0544	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A0544	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0544	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0544	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0544	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0544	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0544	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	D	3
20HP1A0545	R203204L	IOT AND APPLICATIONS	25	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0545	R2032051	MACHINE LEARNING	26	D	3
20HP1A0545	R2032052	COMPILER DESIGN	23	D	3
20HP1A0545	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A0545	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0545	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0545	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A0545	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0545	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0545	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	C	3
20HP1A0546	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0546	R2032051	MACHINE LEARNING	22	D	3
20HP1A0546	R2032052	COMPILER DESIGN	21	C	3
20HP1A0546	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	D	3
20HP1A0546	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0546	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0546	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0546	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0546	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0546	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	C	3
20HP1A0547	R203204L	IOT AND APPLICATIONS	28	B	3
20HP1A0547	R2032051	MACHINE LEARNING	29	C	3
20HP1A0547	R2032052	COMPILER DESIGN	26	D	3
20HP1A0547	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	B	3
20HP1A0547	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0547	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0547	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0547	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0547	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0547	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	D	3
20HP1A0548	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0548	R2032051	MACHINE LEARNING	26	B	3
20HP1A0548	R2032052	COMPILER DESIGN	24	D	3
20HP1A0548	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A0548	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0548	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0548	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0548	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0548	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0548	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0549	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0549	R2032051	MACHINE LEARNING	27	C	3
20HP1A0549	R2032052	COMPILER DESIGN	27	C	3
20HP1A0549	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0549	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0549	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0549	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0549	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0549	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0549	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
20HP1A0550	R203204L	IOT AND APPLICATIONS	26	D	3
20HP1A0550	R2032051	MACHINE LEARNING	25	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0550	R2032052	COMPILER DESIGN	24	E	3
20HP1A0550	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
20HP1A0550	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0550	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0550	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0550	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0550	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0550	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0551	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0551	R2032051	MACHINE LEARNING	27	C	3
20HP1A0551	R2032052	COMPILER DESIGN	23	E	3
20HP1A0551	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	B	3
20HP1A0551	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0551	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0551	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	B	1.5
20HP1A0551	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A0551	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0551	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0552	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0552	R2032051	MACHINE LEARNING	27	C	3
20HP1A0552	R2032052	COMPILER DESIGN	21	D	3
20HP1A0552	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A0552	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0552	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0552	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0552	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0552	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0552	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	E	3
20HP1A0553	R203204L	IOT AND APPLICATIONS	24	D	3
20HP1A0553	R2032051	MACHINE LEARNING	27	B	3
20HP1A0553	R2032052	COMPILER DESIGN	24	C	3
20HP1A0553	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A0553	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0553	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0553	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0553	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0553	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A0553	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	C	3
20HP1A0554	R203204L	IOT AND APPLICATIONS	24	C	3
20HP1A0554	R2032051	MACHINE LEARNING	21	D	3
20HP1A0554	R2032052	COMPILER DESIGN	15	E	3
20HP1A0554	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	18	F	0
20HP1A0554	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0554	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0554	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0554	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0554	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0554	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	C	3
20HP1A0555	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0555	R2032051	MACHINE LEARNING	30	C	3
20HP1A0555	R2032052	COMPILER DESIGN	30	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0555	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	A	3
20HP1A0555	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0555	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0555	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0555	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0555	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A0555	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	D	3
20HP1A0556	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0556	R2032051	MACHINE LEARNING	29	C	3
20HP1A0556	R2032052	COMPILER DESIGN	26	D	3
20HP1A0556	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A0556	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
20HP1A0556	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0556	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0556	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0556	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A0556	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0558	R203204L	IOT AND APPLICATIONS	19	E	3
20HP1A0558	R2032051	MACHINE LEARNING	17	E	3
20HP1A0558	R2032052	COMPILER DESIGN	19	E	3
20HP1A0558	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	19	E	3
20HP1A0558	R2032054	MACHINE LEARNING USING PYTHON LAB	14	C	1.5
20HP1A0558	R2032055	COMPILER DESIGN LAB	12	A	1.5
20HP1A0558	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	B	1.5
20HP1A0558	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A0558	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0558	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	D	3
20HP1A0559	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0559	R2032051	MACHINE LEARNING	25	C	3
20HP1A0559	R2032052	COMPILER DESIGN	26	C	3
20HP1A0559	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A0559	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0559	R2032055	COMPILER DESIGN LAB	12	A+	1.5
20HP1A0559	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A0559	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0559	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0559	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	B	3
20HP1A0560	R203204L	IOT AND APPLICATIONS	16	AB	0
20HP1A0560	R2032051	MACHINE LEARNING	17	F	0
20HP1A0560	R2032052	COMPILER DESIGN	15	F	0
20HP1A0560	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	16	F	0
20HP1A0560	R2032054	MACHINE LEARNING USING PYTHON LAB	9	C	1.5
20HP1A0560	R2032055	COMPILER DESIGN LAB	10	A	1.5
20HP1A0560	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	C	1.5
20HP1A0560	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A0560	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0560	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	AB	0
20HP1A0561	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0561	R2032051	MACHINE LEARNING	28	B	3
20HP1A0561	R2032052	COMPILER DESIGN	26	C	3
20HP1A0561	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0561	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0561	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0561	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A0561	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0561	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0561	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	C	3
20HP1A0562	R203204L	IOT AND APPLICATIONS	26	D	3
20HP1A0562	R2032051	MACHINE LEARNING	29	C	3
20HP1A0562	R2032052	COMPILER DESIGN	24	D	3
20HP1A0562	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	D	3
20HP1A0562	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0562	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0562	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0562	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0562	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0562	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	D	3
20HP1A0564	R203204L	IOT AND APPLICATIONS	24	C	3
20HP1A0564	R2032051	MACHINE LEARNING	27	C	3
20HP1A0564	R2032052	COMPILER DESIGN	23	B	3
20HP1A0564	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	C	3
20HP1A0564	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0564	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0564	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0564	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0564	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0564	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	19	C	3
20HP1A0565	R203204L	IOT AND APPLICATIONS	28	B	3
20HP1A0565	R2032051	MACHINE LEARNING	28	B	3
20HP1A0565	R2032052	COMPILER DESIGN	26	C	3
20HP1A0565	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	A	3
20HP1A0565	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0565	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0565	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A0565	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0565	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0565	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	D	3
20HP1A0566	R203204L	IOT AND APPLICATIONS	26	B	3
20HP1A0566	R2032051	MACHINE LEARNING	30	B	3
20HP1A0566	R2032052	COMPILER DESIGN	26	B	3
20HP1A0566	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0566	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A0566	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0566	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0566	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0566	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0566	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	30	C	3
20HP1A0567	R203204L	IOT AND APPLICATIONS	25	D	3
20HP1A0567	R2032051	MACHINE LEARNING	28	C	3
20HP1A0567	R2032052	COMPILER DESIGN	27	B	3
20HP1A0567	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A0567	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0567	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0567	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0567	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0567	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0567	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	30	B	3
20HP1A0568	R203204L	IOT AND APPLICATIONS	25	B	3
20HP1A0568	R2032051	MACHINE LEARNING	19	D	3
20HP1A0568	R2032052	COMPILER DESIGN	24	C	3
20HP1A0568	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	A	3
20HP1A0568	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
20HP1A0568	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0568	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0568	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0568	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0568	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	21	C	3
20HP1A0569	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0569	R2032051	MACHINE LEARNING	26	C	3
20HP1A0569	R2032052	COMPILER DESIGN	27	C	3
20HP1A0569	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	B	3
20HP1A0569	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0569	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0569	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0569	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0569	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0569	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	D	3
20HP1A0570	R203204L	IOT AND APPLICATIONS	20	D	3
20HP1A0570	R2032051	MACHINE LEARNING	26	D	3
20HP1A0570	R2032052	COMPILER DESIGN	11	F	0
20HP1A0570	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	16	F	0
20HP1A0570	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0570	R2032055	COMPILER DESIGN LAB	10	A	1.5
20HP1A0570	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	C	1.5
20HP1A0570	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	E	2
20HP1A0570	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0570	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	F	0
20HP1A0571	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A0571	R2032051	MACHINE LEARNING	29	C	3
20HP1A0571	R2032052	COMPILER DESIGN	26	C	3
20HP1A0571	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0571	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0571	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0571	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A0571	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0571	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0571	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0572	R203204L	IOT AND APPLICATIONS	19	E	3
20HP1A0572	R2032051	MACHINE LEARNING	19	E	3
20HP1A0572	R2032052	COMPILER DESIGN	16	E	3
20HP1A0572	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	15	E	3
20HP1A0572	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0572	R2032055	COMPILER DESIGN LAB	13	A	1.5

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20HP1A0572	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	9	B	1.5
20HP1A0572	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0572	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0572	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	17	D	3
20HP1A0573	R203204L	IOT AND APPLICATIONS	26	B	3
20HP1A0573	R2032051	MACHINE LEARNING	25	C	3
20HP1A0573	R2032052	COMPILER DESIGN	27	D	3
20HP1A0573	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	A	3
20HP1A0573	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0573	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0573	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0573	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0573	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0573	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	29	B	3
20HP1A0574	R203204L	IOT AND APPLICATIONS	25	D	3
20HP1A0574	R2032051	MACHINE LEARNING	22	D	3
20HP1A0574	R2032052	COMPILER DESIGN	13	F	0
20HP1A0574	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	F	0
20HP1A0574	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0574	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0574	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A0574	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0574	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0574	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	F	0
20HP1A0575	R203204L	IOT AND APPLICATIONS	24	E	3
20HP1A0575	R2032051	MACHINE LEARNING	23	E	3
20HP1A0575	R2032052	COMPILER DESIGN	20	E	3
20HP1A0575	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	21	E	3
20HP1A0575	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0575	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0575	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0575	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0575	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0575	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	D	3
20HP1A0576	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0576	R2032051	MACHINE LEARNING	22	C	3
20HP1A0576	R2032052	COMPILER DESIGN	23	C	3
20HP1A0576	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	B	3
20HP1A0576	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0576	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0576	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0576	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0576	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0576	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	21	C	3
20HP1A0577	R203204L	IOT AND APPLICATIONS	26	B	3
20HP1A0577	R2032051	MACHINE LEARNING	24	C	3
20HP1A0577	R2032052	COMPILER DESIGN	24	D	3
20HP1A0577	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	D	3
20HP1A0577	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0577	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0577	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0577	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0577	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0577	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
20HP1A0578	R203204L	IOT AND APPLICATIONS	28	C	3
20HP1A0578	R2032051	MACHINE LEARNING	29	A	3
20HP1A0578	R2032052	COMPILER DESIGN	26	C	3
20HP1A0578	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A0578	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0578	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0578	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0578	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0578	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0578	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A0579	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0579	R2032051	MACHINE LEARNING	30	C	3
20HP1A0579	R2032052	COMPILER DESIGN	26	D	3
20HP1A0579	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	C	3
20HP1A0579	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0579	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0579	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0579	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0579	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0579	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	F	0
20HP1A0580	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A0580	R2032051	MACHINE LEARNING	29	B	3
20HP1A0580	R2032052	COMPILER DESIGN	27	B	3
20HP1A0580	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	C	3
20HP1A0580	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0580	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0580	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0580	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A0580	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0580	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	B	3
20HP1A0581	R203204L	IOT AND APPLICATIONS	28	B	3
20HP1A0581	R2032051	MACHINE LEARNING	25	B	3
20HP1A0581	R2032052	COMPILER DESIGN	24	D	3
20HP1A0581	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	B	3
20HP1A0581	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0581	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0581	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A0581	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0581	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0581	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A0582	R203204L	IOT AND APPLICATIONS	22	B	3
20HP1A0582	R2032051	MACHINE LEARNING	24	B	3
20HP1A0582	R2032052	COMPILER DESIGN	24	D	3
20HP1A0582	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	C	3
20HP1A0582	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0582	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A0582	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0582	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0582	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0582	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A0583	R203204L	IOT AND APPLICATIONS	24	D	3
20HP1A0583	R2032051	MACHINE LEARNING	19	E	3
20HP1A0583	R2032052	COMPILER DESIGN	25	D	3
20HP1A0583	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	D	3
20HP1A0583	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0583	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0583	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0583	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0583	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0583	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	D	3
20HP1A0584	R203204L	IOT AND APPLICATIONS	22	E	3
20HP1A0584	R2032051	MACHINE LEARNING	25	D	3
20HP1A0584	R2032052	COMPILER DESIGN	18	F	0
20HP1A0584	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	D	3
20HP1A0584	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
20HP1A0584	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0584	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0584	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0584	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0584	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0585	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A0585	R2032051	MACHINE LEARNING	29	B	3
20HP1A0585	R2032052	COMPILER DESIGN	26	C	3
20HP1A0585	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	D	3
20HP1A0585	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0585	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0585	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0585	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0585	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0585	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0586	R203204L	IOT AND APPLICATIONS	26	B	3
20HP1A0586	R2032051	MACHINE LEARNING	25	D	3
20HP1A0586	R2032052	COMPILER DESIGN	19	E	3
20HP1A0586	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	C	3
20HP1A0586	R2032054	MACHINE LEARNING USING PYTHON LAB	10	C	1.5
20HP1A0586	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0586	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0586	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0586	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0586	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	20	E	3
20HP1A0587	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A0587	R2032051	MACHINE LEARNING	29	C	3
20HP1A0587	R2032052	COMPILER DESIGN	25	D	3
20HP1A0587	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	D	3
20HP1A0587	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0587	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0587	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0587	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0587	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0587	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	D	3
20HP1A0588	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0588	R2032051	MACHINE LEARNING	23	C	3
20HP1A0588	R2032052	COMPILER DESIGN	21	C	3
20HP1A0588	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A0588	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0588	R2032055	COMPILER DESIGN LAB	12	A+	1.5
20HP1A0588	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0588	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0588	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0588	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	B	3
20HP1A0589	R203204L	IOT AND APPLICATIONS	21	E	3
20HP1A0589	R2032051	MACHINE LEARNING	20	F	0
20HP1A0589	R2032052	COMPILER DESIGN	19	F	0
20HP1A0589	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	B	3
20HP1A0589	R2032054	MACHINE LEARNING USING PYTHON LAB	12	B	1.5
20HP1A0589	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0589	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0589	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A0589	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0589	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A0590	R203204L	IOT AND APPLICATIONS	26	B	3
20HP1A0590	R2032051	MACHINE LEARNING	21	C	3
20HP1A0590	R2032052	COMPILER DESIGN	22	D	3
20HP1A0590	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	D	3
20HP1A0590	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0590	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0590	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0590	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0590	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0590	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	D	3
20HP1A0591	R203204L	IOT AND APPLICATIONS	25	D	3
20HP1A0591	R2032051	MACHINE LEARNING	28	C	3
20HP1A0591	R2032052	COMPILER DESIGN	26	C	3
20HP1A0591	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	C	3
20HP1A0591	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0591	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0591	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0591	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0591	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0591	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A0592	R203204L	IOT AND APPLICATIONS	21	E	3
20HP1A0592	R2032051	MACHINE LEARNING	24	D	3
20HP1A0592	R2032052	COMPILER DESIGN	21	F	0
20HP1A0592	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	D	3
20HP1A0592	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A0592	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0592	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0592	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0592	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A0592	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0593	R203204L	IOT AND APPLICATIONS	25	A	3
20HP1A0593	R2032051	MACHINE LEARNING	25	B	3
20HP1A0593	R2032052	COMPILER DESIGN	27	C	3
20HP1A0593	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	B	3
20HP1A0593	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A0593	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A0593	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0593	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0593	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A0593	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
20HP1A0594	R203204L	IOT AND APPLICATIONS	28	B	3
20HP1A0594	R2032051	MACHINE LEARNING	27	B	3
20HP1A0594	R2032052	COMPILER DESIGN	26	C	3
20HP1A0594	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A0594	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0594	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0594	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0594	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0594	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0594	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A0595	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A0595	R2032051	MACHINE LEARNING	22	D	3
20HP1A0595	R2032052	COMPILER DESIGN	26	C	3
20HP1A0595	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	C	3
20HP1A0595	R2032054	MACHINE LEARNING USING PYTHON LAB	13	B	1.5
20HP1A0595	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0595	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0595	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A0595	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A0595	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	C	3
20HP1A0596	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A0596	R2032051	MACHINE LEARNING	28	C	3
20HP1A0596	R2032052	COMPILER DESIGN	26	B	3
20HP1A0596	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A0596	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A0596	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0596	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0596	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0596	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A0596	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	B	3
20HP1A0597	R203204L	IOT AND APPLICATIONS	28	B	3
20HP1A0597	R2032051	MACHINE LEARNING	30	B	3
20HP1A0597	R2032052	COMPILER DESIGN	29	D	3
20HP1A0597	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	F	0
20HP1A0597	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A0597	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0597	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0597	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0597	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A0597	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
20HP1A0598	R203204L	IOT AND APPLICATIONS	23	A	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A0598	R2032051	MACHINE LEARNING	20	B	3
20HP1A0598	R2032052	COMPILER DESIGN	23	C	3
20HP1A0598	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A0598	R2032054	MACHINE LEARNING USING PYTHON LAB	11	B	1.5
20HP1A0598	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0598	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0598	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A0598	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0598	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	B	3
20HP1A0599	R203204L	IOT AND APPLICATIONS	23	D	3
20HP1A0599	R2032051	MACHINE LEARNING	20	E	3
20HP1A0599	R2032052	COMPILER DESIGN	21	D	3
20HP1A0599	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
20HP1A0599	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A0599	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A0599	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A0599	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A0599	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A0599	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	D	3
20HP1A05A0	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A05A0	R2032051	MACHINE LEARNING	25	D	3
20HP1A05A0	R2032052	COMPILER DESIGN	17	D	3
20HP1A05A0	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	19	D	3
20HP1A05A0	R2032054	MACHINE LEARNING USING PYTHON LAB	11	C	1.5
20HP1A05A0	R2032055	COMPILER DESIGN LAB	13	A	1.5
20HP1A05A0	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A05A0	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A05A0	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A05A0	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	B	3
20HP1A05A1	R203204L	IOT AND APPLICATIONS	26	B	3
20HP1A05A1	R2032051	MACHINE LEARNING	26	B	3
20HP1A05A1	R2032052	COMPILER DESIGN	27	D	3
20HP1A05A1	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A05A1	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A05A1	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A05A1	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A05A1	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A05A1	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A05A1	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A05A2	R203204L	IOT AND APPLICATIONS	25	C	3
20HP1A05A2	R2032051	MACHINE LEARNING	25	C	3
20HP1A05A2	R2032052	COMPILER DESIGN	22	C	3
20HP1A05A2	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A05A2	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
20HP1A05A2	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05A2	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05A2	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A05A2	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A05A2	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A05A3	R203204L	IOT AND APPLICATIONS	24	D	3
20HP1A05A3	R2032051	MACHINE LEARNING	24	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A05A3	R2032052	COMPILER DESIGN	27	C	3
20HP1A05A3	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A05A3	R2032054	MACHINE LEARNING USING PYTHON LAB	0	D	1.5
20HP1A05A3	R2032055	COMPILER DESIGN LAB	10	A	1.5
20HP1A05A3	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	9	B	1.5
20HP1A05A3	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A05A3	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A05A3	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A05A4	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A05A4	R2032051	MACHINE LEARNING	29	B	3
20HP1A05A4	R2032052	COMPILER DESIGN	27	A	3
20HP1A05A4	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	B	3
20HP1A05A4	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A05A4	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05A4	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A05A4	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A05A4	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A05A4	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	B	3
20HP1A05A5	R203204L	IOT AND APPLICATIONS	26	F	0
20HP1A05A5	R2032051	MACHINE LEARNING	22	E	3
20HP1A05A5	R2032052	COMPILER DESIGN	17	E	3
20HP1A05A5	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	20	F	0
20HP1A05A5	R2032054	MACHINE LEARNING USING PYTHON LAB	6	C	1.5
20HP1A05A5	R2032055	COMPILER DESIGN LAB	12	A	1.5
20HP1A05A5	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A05A5	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A05A5	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A05A5	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	E	3
20HP1A05A6	R203204L	IOT AND APPLICATIONS	23	F	0
20HP1A05A6	R2032051	MACHINE LEARNING	24	D	3
20HP1A05A6	R2032052	COMPILER DESIGN	20	F	0
20HP1A05A6	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	20	E	3
20HP1A05A6	R2032054	MACHINE LEARNING USING PYTHON LAB	7	D	1.5
20HP1A05A6	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A05A6	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05A6	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A05A6	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A05A6	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
20HP1A05A7	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A05A7	R2032051	MACHINE LEARNING	26	D	3
20HP1A05A7	R2032052	COMPILER DESIGN	26	D	3
20HP1A05A7	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A05A7	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A05A7	R2032055	COMPILER DESIGN LAB	12	A+	1.5
20HP1A05A7	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A05A7	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A05A7	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A05A7	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A05A8	R203204L	IOT AND APPLICATIONS	21	D	3
20HP1A05A8	R2032051	MACHINE LEARNING	24	D	3
20HP1A05A8	R2032052	COMPILER DESIGN	22	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A05A8	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	D	3
20HP1A05A8	R2032054	MACHINE LEARNING USING PYTHON LAB	7	C	1.5
20HP1A05A8	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A05A8	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05A8	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05A8	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A05A8	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	C	3
20HP1A05A9	R203204L	IOT AND APPLICATIONS	24	C	3
20HP1A05A9	R2032051	MACHINE LEARNING	27	C	3
20HP1A05A9	R2032052	COMPILER DESIGN	25	C	3
20HP1A05A9	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A05A9	R2032054	MACHINE LEARNING USING PYTHON LAB	7	D	1.5
20HP1A05A9	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05A9	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05A9	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A05A9	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A05A9	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	E	3
20HP1A05B0	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A05B0	R2032051	MACHINE LEARNING	28	D	3
20HP1A05B0	R2032052	COMPILER DESIGN	24	D	3
20HP1A05B0	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A05B0	R2032054	MACHINE LEARNING USING PYTHON LAB	12	B	1.5
20HP1A05B0	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A05B0	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05B0	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05B0	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A05B0	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	D	3
20HP1A05B1	R203204L	IOT AND APPLICATIONS	29	C	3
20HP1A05B1	R2032051	MACHINE LEARNING	28	C	3
20HP1A05B1	R2032052	COMPILER DESIGN	29	C	3
20HP1A05B1	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A05B1	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A05B1	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A05B1	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A05B1	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05B1	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A05B1	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A05B2	R203204L	IOT AND APPLICATIONS	26	D	3
20HP1A05B2	R2032051	MACHINE LEARNING	21	D	3
20HP1A05B2	R2032052	COMPILER DESIGN	24	B	3
20HP1A05B2	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	C	3
20HP1A05B2	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A05B2	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A05B2	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A05B2	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A05B2	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A05B2	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	D	3
20HP1A05B3	R203204L	IOT AND APPLICATIONS	23	C	3
20HP1A05B3	R2032051	MACHINE LEARNING	24	D	3
20HP1A05B3	R2032052	COMPILER DESIGN	27	D	3
20HP1A05B3	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A05B3	R2032054	MACHINE LEARNING USING PYTHON LAB	12	B	1.5
20HP1A05B3	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05B3	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A05B3	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05B3	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A05B3	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	D	3
20HP1A05B4	R203204L	IOT AND APPLICATIONS	21	C	3
20HP1A05B4	R2032051	MACHINE LEARNING	25	D	3
20HP1A05B4	R2032052	COMPILER DESIGN	22	F	0
20HP1A05B4	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	D	3
20HP1A05B4	R2032054	MACHINE LEARNING USING PYTHON LAB	6	D	1.5
20HP1A05B4	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05B4	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05B4	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A05B4	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A05B4	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	D	3
20HP1A05B5	R203204L	IOT AND APPLICATIONS	16	E	3
20HP1A05B5	R2032051	MACHINE LEARNING	22	F	0
20HP1A05B5	R2032052	COMPILER DESIGN	18	F	0
20HP1A05B5	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	19	F	0
20HP1A05B5	R2032054	MACHINE LEARNING USING PYTHON LAB	0	E	1.5
20HP1A05B5	R2032055	COMPILER DESIGN LAB	13	A	1.5
20HP1A05B5	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	A	1.5
20HP1A05B5	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
20HP1A05B5	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A05B5	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	F	0
20HP1A05B6	R203204L	IOT AND APPLICATIONS	25	D	3
20HP1A05B6	R2032051	MACHINE LEARNING	28	C	3
20HP1A05B6	R2032052	COMPILER DESIGN	26	A	3
20HP1A05B6	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A05B6	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A05B6	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A05B6	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A05B6	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05B6	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A05B6	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A05B7	R203204L	IOT AND APPLICATIONS	25	F	0
20HP1A05B7	R2032051	MACHINE LEARNING	22	D	3
20HP1A05B7	R2032052	COMPILER DESIGN	20	E	3
20HP1A05B7	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	D	3
20HP1A05B7	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A05B7	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05B7	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A05B7	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A05B7	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A05B7	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	E	3
20HP1A05B8	R203204L	IOT AND APPLICATIONS	27	C	3
20HP1A05B8	R2032051	MACHINE LEARNING	26	C	3
20HP1A05B8	R2032052	COMPILER DESIGN	27	F	0
20HP1A05B8	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A05B8	R2032054	MACHINE LEARNING USING PYTHON LAB	11	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A05B8	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05B8	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05B8	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A05B8	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A05B8	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A05B9	R203204L	IOT AND APPLICATIONS	28	D	3
20HP1A05B9	R2032051	MACHINE LEARNING	26	C	3
20HP1A05B9	R2032052	COMPILER DESIGN	26	C	3
20HP1A05B9	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	D	3
20HP1A05B9	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A05B9	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05B9	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05B9	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
20HP1A05B9	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A05B9	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
20HP1A05C0	R203204L	IOT AND APPLICATIONS	19	D	3
20HP1A05C0	R2032051	MACHINE LEARNING	20	D	3
20HP1A05C0	R2032052	COMPILER DESIGN	20	F	0
20HP1A05C0	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A05C0	R2032054	MACHINE LEARNING USING PYTHON LAB	7	B	1.5
20HP1A05C0	R2032055	COMPILER DESIGN LAB	13	A+	1.5
20HP1A05C0	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A05C0	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05C0	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A05C0	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	C	3
20HP1A05C1	R203204L	IOT AND APPLICATIONS	27	B	3
20HP1A05C1	R2032051	MACHINE LEARNING	24	C	3
20HP1A05C1	R2032052	COMPILER DESIGN	27	C	3
20HP1A05C1	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
20HP1A05C1	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A05C1	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A05C1	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05C1	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A+	2
20HP1A05C1	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A05C1	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A05C2	R203204L	IOT AND APPLICATIONS	25	D	3
20HP1A05C2	R2032051	MACHINE LEARNING	24	C	3
20HP1A05C2	R2032052	COMPILER DESIGN	24	F	0
20HP1A05C2	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A05C2	R2032054	MACHINE LEARNING USING PYTHON LAB	11	B	1.5
20HP1A05C2	R2032055	COMPILER DESIGN LAB	14	A+	1.5
20HP1A05C2	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05C2	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	E	2
20HP1A05C2	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A05C2	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	C	3
20HP1A05C3	R203204L	IOT AND APPLICATIONS	27	D	3
20HP1A05C3	R2032051	MACHINE LEARNING	27	D	3
20HP1A05C3	R2032052	COMPILER DESIGN	25	D	3
20HP1A05C3	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A05C3	R2032054	MACHINE LEARNING USING PYTHON LAB	11	B	1.5
20HP1A05C3	R2032055	COMPILER DESIGN LAB	14	A+	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A05C3	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A05C3	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
20HP1A05C3	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A05C3	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A05C4	R203204L	IOT AND APPLICATIONS	22	C	3
20HP1A05C4	R2032051	MACHINE LEARNING	17	E	3
20HP1A05C4	R2032052	COMPILER DESIGN	24	C	3
20HP1A05C4	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A05C4	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A05C4	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A05C4	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A05C4	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05C4	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A05C4	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	C	3
20HP1A05C5	R203204L	IOT AND APPLICATIONS	23	C	3
20HP1A05C5	R2032051	MACHINE LEARNING	25	C	3
20HP1A05C5	R2032052	COMPILER DESIGN	29	C	3
20HP1A05C5	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	D	3
20HP1A05C5	R2032054	MACHINE LEARNING USING PYTHON LAB	13	B	1.5
20HP1A05C5	R2032055	COMPILER DESIGN LAB	15	A+	1.5
20HP1A05C5	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A05C5	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
20HP1A05C5	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A05C5	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
20HP1A1201	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	30	A	3
20HP1A1201	R2032051	MACHINE LEARNING	30	A	3
20HP1A1201	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A1201	R2032054	MACHINE LEARNING USING PYTHON LAB	15	A+	1.5
20HP1A1201	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A+	1.5
20HP1A1201	R203205A	MOBILE COMPUTING	27	B	3
20HP1A1201	R2032121	BIG DATA ANALYTICS	30	B	3
20HP1A1201	R2032122	BIG DATA ANALYTICS LAB	15	A+	1.5
20HP1A1201	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1201	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1202	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	19	C	3
20HP1A1202	R2032051	MACHINE LEARNING	28	C	3
20HP1A1202	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	B	3
20HP1A1202	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1202	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	B	1.5
20HP1A1202	R203205A	MOBILE COMPUTING	22	D	3
20HP1A1202	R2032121	BIG DATA ANALYTICS	19	D	3
20HP1A1202	R2032122	BIG DATA ANALYTICS LAB	13	C	1.5
20HP1A1202	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1202	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1203	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	26	B	3
20HP1A1203	R2032051	MACHINE LEARNING	28	C	3
20HP1A1203	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A1203	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
20HP1A1203	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A+	1.5
20HP1A1203	R203205A	MOBILE COMPUTING	23	B	3
20HP1A1203	R2032121	BIG DATA ANALYTICS	29	A	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1203	R2032122	BIG DATA ANALYTICS LAB	15	A+	1.5
20HP1A1203	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1203	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1204	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	25	B	3
20HP1A1204	R2032051	MACHINE LEARNING	29	C	3
20HP1A1204	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A1204	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1204	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A+	1.5
20HP1A1204	R203205A	MOBILE COMPUTING	27	B	3
20HP1A1204	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1204	R2032122	BIG DATA ANALYTICS LAB	14	B	1.5
20HP1A1204	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1204	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1205	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	18	D	3
20HP1A1205	R2032051	MACHINE LEARNING	26	C	3
20HP1A1205	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	20	E	3
20HP1A1205	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1205	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A1205	R203205A	MOBILE COMPUTING	26	C	3
20HP1A1205	R2032121	BIG DATA ANALYTICS	25	C	3
20HP1A1205	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1205	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1205	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1206	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	18	F	0
20HP1A1206	R2032051	MACHINE LEARNING	26	F	0
20HP1A1206	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	19	F	0
20HP1A1206	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1206	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	B	1.5
20HP1A1206	R203205A	MOBILE COMPUTING	18	F	0
20HP1A1206	R2032121	BIG DATA ANALYTICS	23	E	3
20HP1A1206	R2032122	BIG DATA ANALYTICS LAB	12	B	1.5
20HP1A1206	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1206	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1207	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	20	D	3
20HP1A1207	R2032051	MACHINE LEARNING	24	D	3
20HP1A1207	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A1207	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1207	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	B	1.5
20HP1A1207	R203205A	MOBILE COMPUTING	20	C	3
20HP1A1207	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1207	R2032122	BIG DATA ANALYTICS LAB	14	B	1.5
20HP1A1207	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1207	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1208	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	E	3
20HP1A1208	R2032051	MACHINE LEARNING	29	D	3
20HP1A1208	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
20HP1A1208	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1208	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A1208	R203205A	MOBILE COMPUTING	22	D	3
20HP1A1208	R2032121	BIG DATA ANALYTICS	27	D	3
20HP1A1208	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1208	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1208	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1209	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	25	B	3
20HP1A1209	R2032051	MACHINE LEARNING	30	A	3
20HP1A1209	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	B	3
20HP1A1209	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1209	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A+	1.5
20HP1A1209	R203205A	MOBILE COMPUTING	27	B	3
20HP1A1209	R2032121	BIG DATA ANALYTICS	30	A+	3
20HP1A1209	R2032122	BIG DATA ANALYTICS LAB	15	A+	1.5
20HP1A1209	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1209	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1210	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	C	3
20HP1A1210	R2032051	MACHINE LEARNING	29	B	3
20HP1A1210	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	A	3
20HP1A1210	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1210	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1210	R203205A	MOBILE COMPUTING	25	C	3
20HP1A1210	R2032121	BIG DATA ANALYTICS	27	C	3
20HP1A1210	R2032122	BIG DATA ANALYTICS LAB	14	A+	1.5
20HP1A1210	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1210	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1211	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	C	3
20HP1A1211	R2032051	MACHINE LEARNING	29	B	3
20HP1A1211	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A1211	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1211	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A+	1.5
20HP1A1211	R203205A	MOBILE COMPUTING	25	C	3
20HP1A1211	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1211	R2032122	BIG DATA ANALYTICS LAB	15	A+	1.5
20HP1A1211	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1211	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1212	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	28	C	3
20HP1A1212	R2032051	MACHINE LEARNING	30	B	3
20HP1A1212	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	A	3
20HP1A1212	R2032054	MACHINE LEARNING USING PYTHON LAB	15	A+	1.5
20HP1A1212	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A	1.5
20HP1A1212	R203205A	MOBILE COMPUTING	24	B	3
20HP1A1212	R2032121	BIG DATA ANALYTICS	29	C	3
20HP1A1212	R2032122	BIG DATA ANALYTICS LAB	15	A+	1.5
20HP1A1212	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1212	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1213	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	19	E	3
20HP1A1213	R2032051	MACHINE LEARNING	27	C	3
20HP1A1213	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	21	E	3
20HP1A1213	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1213	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
20HP1A1213	R203205A	MOBILE COMPUTING	22	D	3
20HP1A1213	R2032121	BIG DATA ANALYTICS	26	C	3
20HP1A1213	R2032122	BIG DATA ANALYTICS LAB	12	C	1.5
20HP1A1213	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1213	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1214	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	D	3
20HP1A1214	R2032051	MACHINE LEARNING	23	C	3
20HP1A1214	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A1214	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A+	1.5
20HP1A1214	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A1214	R203205A	MOBILE COMPUTING	24	D	3
20HP1A1214	R2032121	BIG DATA ANALYTICS	27	C	3
20HP1A1214	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1214	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1214	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1215	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	D	3
20HP1A1215	R2032051	MACHINE LEARNING	28	C	3
20HP1A1215	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A1215	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
20HP1A1215	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A+	1.5
20HP1A1215	R203205A	MOBILE COMPUTING	24	B	3
20HP1A1215	R2032121	BIG DATA ANALYTICS	29	A	3
20HP1A1215	R2032122	BIG DATA ANALYTICS LAB	15	A+	1.5
20HP1A1215	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1215	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1216	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	D	3
20HP1A1216	R2032051	MACHINE LEARNING	30	C	3
20HP1A1216	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	C	3
20HP1A1216	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1216	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1216	R203205A	MOBILE COMPUTING	24	B	3
20HP1A1216	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1216	R2032122	BIG DATA ANALYTICS LAB	14	A+	1.5
20HP1A1216	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1216	R2032125	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A1217	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	21	C	3
20HP1A1217	R2032051	MACHINE LEARNING	26	C	3
20HP1A1217	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	B	3
20HP1A1217	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A+	1.5
20HP1A1217	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1217	R203205A	MOBILE COMPUTING	20	C	3
20HP1A1217	R2032121	BIG DATA ANALYTICS	25	B	3
20HP1A1217	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1217	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1217	R2032125	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A1218	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	21	C	3
20HP1A1218	R2032051	MACHINE LEARNING	27	B	3
20HP1A1218	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	D	3
20HP1A1218	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1218	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1218	R203205A	MOBILE COMPUTING	23	D	3
20HP1A1218	R2032121	BIG DATA ANALYTICS	27	C	3
20HP1A1218	R2032122	BIG DATA ANALYTICS LAB	14	A+	1.5
20HP1A1218	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1218	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1219	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	15	F	0
20HP1A1219	R2032051	MACHINE LEARNING	25	E	3
20HP1A1219	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	21	D	3
20HP1A1219	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A1219	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	C	1.5
20HP1A1219	R203205A	MOBILE COMPUTING	18	F	0
20HP1A1219	R2032121	BIG DATA ANALYTICS	28	C	3
20HP1A1219	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1219	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1219	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1220	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	17	F	0
20HP1A1220	R2032051	MACHINE LEARNING	24	D	3
20HP1A1220	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	C	3
20HP1A1220	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A1220	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	9	C	1.5
20HP1A1220	R203205A	MOBILE COMPUTING	20	C	3
20HP1A1220	R2032121	BIG DATA ANALYTICS	24	B	3
20HP1A1220	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1220	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1220	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1221	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	24	C	3
20HP1A1221	R2032051	MACHINE LEARNING	27	C	3
20HP1A1221	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	C	3
20HP1A1221	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A1221	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A1221	R203205A	MOBILE COMPUTING	24	C	3
20HP1A1221	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1221	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1221	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1221	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1222	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	27	D	3
20HP1A1222	R2032051	MACHINE LEARNING	27	C	3
20HP1A1222	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A1222	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A1222	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A1222	R203205A	MOBILE COMPUTING	26	C	3
20HP1A1222	R2032121	BIG DATA ANALYTICS	29	B	3
20HP1A1222	R2032122	BIG DATA ANALYTICS LAB	14	A+	1.5
20HP1A1222	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1222	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1223	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	27	D	3
20HP1A1223	R2032051	MACHINE LEARNING	28	C	3
20HP1A1223	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	C	3
20HP1A1223	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A+	1.5
20HP1A1223	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	A	1.5
20HP1A1223	R203205A	MOBILE COMPUTING	24	D	3
20HP1A1223	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1223	R2032122	BIG DATA ANALYTICS LAB	13	A+	1.5
20HP1A1223	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1223	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1224	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1224	R2032051	MACHINE LEARNING	29	A	3
20HP1A1224	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	C	3
20HP1A1224	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
20HP1A1224	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A1224	R203205A	MOBILE COMPUTING	22	B	3
20HP1A1224	R2032121	BIG DATA ANALYTICS	29	A	3
20HP1A1224	R2032122	BIG DATA ANALYTICS LAB	15	A+	1.5
20HP1A1224	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1224	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1225	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	27	B	3
20HP1A1225	R2032051	MACHINE LEARNING	28	B	3
20HP1A1225	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A1225	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A+	1.5
20HP1A1225	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A1225	R203205A	MOBILE COMPUTING	24	C	3
20HP1A1225	R2032121	BIG DATA ANALYTICS	29	A	3
20HP1A1225	R2032122	BIG DATA ANALYTICS LAB	15	A	1.5
20HP1A1225	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1225	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1226	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	26	A	3
20HP1A1226	R2032051	MACHINE LEARNING	29	A	3
20HP1A1226	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	30	A	3
20HP1A1226	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1226	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A+	1.5
20HP1A1226	R203205A	MOBILE COMPUTING	26	C	3
20HP1A1226	R2032121	BIG DATA ANALYTICS	30	A+	3
20HP1A1226	R2032122	BIG DATA ANALYTICS LAB	10	A	1.5
20HP1A1226	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1226	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1227	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	12	F	0
20HP1A1227	R2032051	MACHINE LEARNING	24	F	0
20HP1A1227	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	F	0
20HP1A1227	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1227	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	9	C	1.5
20HP1A1227	R203205A	MOBILE COMPUTING	15	F	0
20HP1A1227	R2032121	BIG DATA ANALYTICS	24	F	0
20HP1A1227	R2032122	BIG DATA ANALYTICS LAB	14	B	1.5
20HP1A1227	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1227	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1228	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	D	3
20HP1A1228	R2032051	MACHINE LEARNING	27	C	3
20HP1A1228	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	B	3
20HP1A1228	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1228	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1228	R203205A	MOBILE COMPUTING	23	A	3
20HP1A1228	R2032121	BIG DATA ANALYTICS	24	A	3
20HP1A1228	R2032122	BIG DATA ANALYTICS LAB	14	C	1.5
20HP1A1228	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1228	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1229	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	15	E	3
20HP1A1229	R2032051	MACHINE LEARNING	27	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1229	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	D	3
20HP1A1229	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A1229	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
20HP1A1229	R203205A	MOBILE COMPUTING	22	C	3
20HP1A1229	R2032121	BIG DATA ANALYTICS	24	C	3
20HP1A1229	R2032122	BIG DATA ANALYTICS LAB	11	B	1.5
20HP1A1229	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1229	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1230	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	8	F	0
20HP1A1230	R2032051	MACHINE LEARNING	17	F	0
20HP1A1230	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	14	F	0
20HP1A1230	R2032054	MACHINE LEARNING USING PYTHON LAB	6	AB	0
20HP1A1230	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	2	AB	0
20HP1A1230	R203205A	MOBILE COMPUTING	8	F	0
20HP1A1230	R2032121	BIG DATA ANALYTICS	15	F	0
20HP1A1230	R2032122	BIG DATA ANALYTICS LAB	2	AB	0
20HP1A1230	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	AB	0
20HP1A1230	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1231	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	D	3
20HP1A1231	R2032051	MACHINE LEARNING	25	E	3
20HP1A1231	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
20HP1A1231	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1231	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1231	R203205A	MOBILE COMPUTING	24	D	3
20HP1A1231	R2032121	BIG DATA ANALYTICS	28	A	3
20HP1A1231	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1231	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1231	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1232	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	B	3
20HP1A1232	R2032051	MACHINE LEARNING	26	D	3
20HP1A1232	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A1232	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A1232	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	A	1.5
20HP1A1232	R203205A	MOBILE COMPUTING	20	C	3
20HP1A1232	R2032121	BIG DATA ANALYTICS	29	B	3
20HP1A1232	R2032122	BIG DATA ANALYTICS LAB	13	B	1.5
20HP1A1232	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1232	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1233	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	C	3
20HP1A1233	R2032051	MACHINE LEARNING	30	B	3
20HP1A1233	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A1233	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1233	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	B	1.5
20HP1A1233	R203205A	MOBILE COMPUTING	24	C	3
20HP1A1233	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1233	R2032122	BIG DATA ANALYTICS LAB	13	B	1.5
20HP1A1233	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1233	R2032125	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A1234	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	28	B	3
20HP1A1234	R2032051	MACHINE LEARNING	29	B	3
20HP1A1234	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1234	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1234	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A1234	R203205A	MOBILE COMPUTING	24	D	3
20HP1A1234	R2032121	BIG DATA ANALYTICS	30	A	3
20HP1A1234	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1234	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1234	R2032125	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A1235	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	E	3
20HP1A1235	R2032051	MACHINE LEARNING	27	D	3
20HP1A1235	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
20HP1A1235	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1235	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1235	R203205A	MOBILE COMPUTING	20	E	3
20HP1A1235	R2032121	BIG DATA ANALYTICS	27	B	3
20HP1A1235	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1235	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1235	R2032125	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A1236	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	19	E	3
20HP1A1236	R2032051	MACHINE LEARNING	28	C	3
20HP1A1236	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	D	3
20HP1A1236	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A1236	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	B	1.5
20HP1A1236	R203205A	MOBILE COMPUTING	18	C	3
20HP1A1236	R2032121	BIG DATA ANALYTICS	26	C	3
20HP1A1236	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1236	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1236	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1237	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	D	3
20HP1A1237	R2032051	MACHINE LEARNING	27	C	3
20HP1A1237	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	C	3
20HP1A1237	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1237	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A	1.5
20HP1A1237	R203205A	MOBILE COMPUTING	24	C	3
20HP1A1237	R2032121	BIG DATA ANALYTICS	30	B	3
20HP1A1237	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1237	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1237	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1238	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	7	F	0
20HP1A1238	R2032051	MACHINE LEARNING	23	E	3
20HP1A1238	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	18	F	0
20HP1A1238	R2032054	MACHINE LEARNING USING PYTHON LAB	8	B	1.5
20HP1A1238	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	6	D	1.5
20HP1A1238	R203205A	MOBILE COMPUTING	14	E	3
20HP1A1238	R2032121	BIG DATA ANALYTICS	20	E	3
20HP1A1238	R2032122	BIG DATA ANALYTICS LAB	10	C	1.5
20HP1A1238	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1238	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1239	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	C	3
20HP1A1239	R2032051	MACHINE LEARNING	19	E	3
20HP1A1239	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	C	3
20HP1A1239	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1239	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A1239	R203205A	MOBILE COMPUTING	21	F	0
20HP1A1239	R2032121	BIG DATA ANALYTICS	27	C	3
20HP1A1239	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1239	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1239	R2032125	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A1240	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	28	B	3
20HP1A1240	R2032051	MACHINE LEARNING	29	C	3
20HP1A1240	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
20HP1A1240	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1240	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	15	A	1.5
20HP1A1240	R203205A	MOBILE COMPUTING	26	B	3
20HP1A1240	R2032121	BIG DATA ANALYTICS	30	A	3
20HP1A1240	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1240	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1240	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1241	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	18	E	3
20HP1A1241	R2032051	MACHINE LEARNING	27	C	3
20HP1A1241	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
20HP1A1241	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
20HP1A1241	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	B	1.5
20HP1A1241	R203205A	MOBILE COMPUTING	18	D	3
20HP1A1241	R2032121	BIG DATA ANALYTICS	25	D	3
20HP1A1241	R2032122	BIG DATA ANALYTICS LAB	13	B	1.5
20HP1A1241	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1241	R2032125	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A1242	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	C	3
20HP1A1242	R2032051	MACHINE LEARNING	27	D	3
20HP1A1242	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	D	3
20HP1A1242	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1242	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1242	R203205A	MOBILE COMPUTING	21	E	3
20HP1A1242	R2032121	BIG DATA ANALYTICS	27	D	3
20HP1A1242	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1242	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1242	R2032125	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A1243	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	D	3
20HP1A1243	R2032051	MACHINE LEARNING	28	D	3
20HP1A1243	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	E	3
20HP1A1243	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1243	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
20HP1A1243	R203205A	MOBILE COMPUTING	22	E	3
20HP1A1243	R2032121	BIG DATA ANALYTICS	26	D	3
20HP1A1243	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1243	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1243	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1244	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	24	D	3
20HP1A1244	R2032051	MACHINE LEARNING	28	C	3
20HP1A1244	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	D	3
20HP1A1244	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1244	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	9	C	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1244	R203205A	MOBILE COMPUTING	25	B	3
20HP1A1244	R2032121	BIG DATA ANALYTICS	28	C	3
20HP1A1244	R2032122	BIG DATA ANALYTICS LAB	14	B	1.5
20HP1A1244	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1244	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1245	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	23	C	3
20HP1A1245	R2032051	MACHINE LEARNING	29	A	3
20HP1A1245	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A1245	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1245	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A1245	R203205A	MOBILE COMPUTING	22	C	3
20HP1A1245	R2032121	BIG DATA ANALYTICS	29	B	3
20HP1A1245	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1245	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1245	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1246	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	19	D	3
20HP1A1246	R2032051	MACHINE LEARNING	26	D	3
20HP1A1246	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
20HP1A1246	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A1246	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	C	1.5
20HP1A1246	R203205A	MOBILE COMPUTING	15	E	3
20HP1A1246	R2032121	BIG DATA ANALYTICS	25	F	0
20HP1A1246	R2032122	BIG DATA ANALYTICS LAB	10	D	1.5
20HP1A1246	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1246	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1247	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	20	C	3
20HP1A1247	R2032051	MACHINE LEARNING	29	C	3
20HP1A1247	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	C	3
20HP1A1247	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1247	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1247	R203205A	MOBILE COMPUTING	24	C	3
20HP1A1247	R2032121	BIG DATA ANALYTICS	28	B	3
20HP1A1247	R2032122	BIG DATA ANALYTICS LAB	13	B	1.5
20HP1A1247	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1247	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1248	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	16	F	0
20HP1A1248	R2032051	MACHINE LEARNING	26	F	0
20HP1A1248	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	18	E	3
20HP1A1248	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
20HP1A1248	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
20HP1A1248	R203205A	MOBILE COMPUTING	16	E	3
20HP1A1248	R2032121	BIG DATA ANALYTICS	20	F	0
20HP1A1248	R2032122	BIG DATA ANALYTICS LAB	12	B	1.5
20HP1A1248	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1248	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1249	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	8	F	0
20HP1A1249	R2032051	MACHINE LEARNING	24	F	0
20HP1A1249	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	15	E	3
20HP1A1249	R2032054	MACHINE LEARNING USING PYTHON LAB	8	B	1.5
20HP1A1249	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
20HP1A1249	R203205A	MOBILE COMPUTING	18	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1249	R2032121	BIG DATA ANALYTICS	21	F	0
20HP1A1249	R2032122	BIG DATA ANALYTICS LAB	10	B	1.5
20HP1A1249	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1249	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
20HP1A1250	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	14	E	3
20HP1A1250	R2032051	MACHINE LEARNING	26	D	3
20HP1A1250	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	20	D	3
20HP1A1250	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1250	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
20HP1A1250	R203205A	MOBILE COMPUTING	18	E	3
20HP1A1250	R2032121	BIG DATA ANALYTICS	24	D	3
20HP1A1250	R2032122	BIG DATA ANALYTICS LAB	11	B	1.5
20HP1A1250	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1250	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1251	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	E	3
20HP1A1251	R2032051	MACHINE LEARNING	25	F	0
20HP1A1251	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	D	3
20HP1A1251	R2032054	MACHINE LEARNING USING PYTHON LAB	9	B	1.5
20HP1A1251	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	B	1.5
20HP1A1251	R203205A	MOBILE COMPUTING	21	D	3
20HP1A1251	R2032121	BIG DATA ANALYTICS	28	C	3
20HP1A1251	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
20HP1A1251	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1251	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1252	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	21	E	3
20HP1A1252	R2032051	MACHINE LEARNING	27	C	3
20HP1A1252	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	20	E	3
20HP1A1252	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1252	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
20HP1A1252	R203205A	MOBILE COMPUTING	18	C	3
20HP1A1252	R2032121	BIG DATA ANALYTICS	23	C	3
20HP1A1252	R2032122	BIG DATA ANALYTICS LAB	12	B	1.5
20HP1A1252	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1252	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
20HP1A1253	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	24	C	3
20HP1A1253	R2032051	MACHINE LEARNING	26	C	3
20HP1A1253	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	D	3
20HP1A1253	R2032054	MACHINE LEARNING USING PYTHON LAB	12	A	1.5
20HP1A1253	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
20HP1A1253	R203205A	MOBILE COMPUTING	23	C	3
20HP1A1253	R2032121	BIG DATA ANALYTICS	25	C	3
20HP1A1253	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1253	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1253	R2032125	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A1254	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	11	D	3
20HP1A1254	R2032051	MACHINE LEARNING	23	D	3
20HP1A1254	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	18	D	3
20HP1A1254	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1254	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	C	1.5
20HP1A1254	R203205A	MOBILE COMPUTING	16	E	3
20HP1A1254	R2032121	BIG DATA ANALYTICS	25	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1254	R2032122	BIG DATA ANALYTICS LAB	12	C	1.5
20HP1A1254	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
20HP1A1254	R2032125	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A1256	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	19	E	3
20HP1A1256	R2032051	MACHINE LEARNING	24	E	3
20HP1A1256	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	D	3
20HP1A1256	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1256	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	9	C	1.5
20HP1A1256	R203205A	MOBILE COMPUTING	19	E	3
20HP1A1256	R2032121	BIG DATA ANALYTICS	24	C	3
20HP1A1256	R2032122	BIG DATA ANALYTICS LAB	12	A	1.5
20HP1A1256	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1256	R2032125	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A1257	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	26	D	3
20HP1A1257	R2032051	MACHINE LEARNING	28	B	3
20HP1A1257	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
20HP1A1257	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A+	1.5
20HP1A1257	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A1257	R203205A	MOBILE COMPUTING	23	B	3
20HP1A1257	R2032121	BIG DATA ANALYTICS	29	C	3
20HP1A1257	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
20HP1A1257	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1257	R2032125	EMPLOYABILITY SKILLS-II	21	COMPLE	0
20HP1A1258	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	17	E	3
20HP1A1258	R2032051	MACHINE LEARNING	25	D	3
20HP1A1258	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	21	E	3
20HP1A1258	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1258	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	B	1.5
20HP1A1258	R203205A	MOBILE COMPUTING	15	D	3
20HP1A1258	R2032121	BIG DATA ANALYTICS	27	C	3
20HP1A1258	R2032122	BIG DATA ANALYTICS LAB	11	E	1.5
20HP1A1258	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1258	R2032125	EMPLOYABILITY SKILLS-II	20	COMPLE	0
20HP1A1259	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	25	C	3
20HP1A1259	R2032051	MACHINE LEARNING	27	D	3
20HP1A1259	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
20HP1A1259	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
20HP1A1259	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	B	1.5
20HP1A1259	R203205A	MOBILE COMPUTING	20	D	3
20HP1A1259	R2032121	BIG DATA ANALYTICS	28	D	3
20HP1A1259	R2032122	BIG DATA ANALYTICS LAB	12	C	1.5
20HP1A1259	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1259	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP1A1260	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	15	F	0
20HP1A1260	R2032051	MACHINE LEARNING	24	E	3
20HP1A1260	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	20	D	3
20HP1A1260	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
20HP1A1260	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	7	D	1.5
20HP1A1260	R203205A	MOBILE COMPUTING	13	F	0
20HP1A1260	R2032121	BIG DATA ANALYTICS	25	C	3
20HP1A1260	R2032122	BIG DATA ANALYTICS LAB	11	C	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
20HP1A1260	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
20HP1A1260	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
20HP1A1261	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	16	E	3
20HP1A1261	R2032051	MACHINE LEARNING	26	C	3
20HP1A1261	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	E	3
20HP1A1261	R2032054	MACHINE LEARNING USING PYTHON LAB	10	B	1.5
20HP1A1261	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	A	1.5
20HP1A1261	R203205A	MOBILE COMPUTING	11	E	3
20HP1A1261	R2032121	BIG DATA ANALYTICS	27	D	3
20HP1A1261	R2032122	BIG DATA ANALYTICS LAB	13	B	1.5
20HP1A1261	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
20HP1A1261	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0
20HP5A0224	R1932024	DIGITAL CONTROL SYSTEMS	22	B	3
20HP5A0224	R193204I	ARTIFICIAL NEURAL NETWORKS	18	D	3
20HP5A0229	R1932023	DATA STRUCTURES	18	C	3
20HP5A0229	R1932024	DIGITAL CONTROL SYSTEMS	23	D	3
20HP5A0229	R193204I	ARTIFICIAL NEURAL NETWORKS	15	D	3
20HP5A0306	R1932032	HEAT TRANSFER	18	C	3
20HP5A0313	R1932032	HEAT TRANSFER	15	C	3
20HP5A0314	R1932032	HEAT TRANSFER	16	F	0
20HP5A0315	R1932032	HEAT TRANSFER	17	C	3
20HP5A0316	R1932031	OPERATIONS RESEARCH	16	D	3
20HP5A0316	R1932032	HEAT TRANSFER	12	F	0
20HP5A0317	R1932032	HEAT TRANSFER	13	D	3
20HP5A0321	R1932032	HEAT TRANSFER	15	C	3
20HP5A0324	R1932032	HEAT TRANSFER	15	D	3
20HP5A0325	R1932032	HEAT TRANSFER	15	F	0
20HP5A0328	R1932032	HEAT TRANSFER	17	F	0
20HP5A0333	R1932032	HEAT TRANSFER	18	C	3
20HP5A0334	R1932032	HEAT TRANSFER	19	F	0
20HP5A0334	R193203I	MECHATRONICS	14	ABSENT	0
20HP5A0335	R1932031	OPERATIONS RESEARCH	7	D	3
20HP5A0335	R1932032	HEAT TRANSFER	16	F	0
20HP5A0338	R1932032	HEAT TRANSFER	17	C	3
20HP5A0342	R1932031	OPERATIONS RESEARCH	17	C	3
20HP5A0344	R1932032	HEAT TRANSFER	18	D	3
20HP5A0347	R1932032	HEAT TRANSFER	13	D	3
20HP5A0348	R1932032	HEAT TRANSFER	15	F	0
20HP5A0349	R1932031	OPERATIONS RESEARCH	15	F	0
20HP5A0349	R1932033	CAD/CAM	16	D	3
20HP5A0350	R1932032	HEAT TRANSFER	14	D	3
20HP5A0352	R1932032	HEAT TRANSFER	14	D	3
20HP5A0353	R1932032	HEAT TRANSFER	13	D	3
20HP5A0354	R1932032	HEAT TRANSFER	13	D	3
20HP5A0356	R1932032	HEAT TRANSFER	14	D	3
20HP5A0357	R1932032	HEAT TRANSFER	18	C	3
20HP5A0359	R1932032	HEAT TRANSFER	14	D	3
20HP5A0360	R1932032	HEAT TRANSFER	14	B	3
20HP5A0365	R1932032	HEAT TRANSFER	14	C	3
20HP5A0370	R1932032	HEAT TRANSFER	15	C	3
21HP5A0101	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	30	B	3

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0101	R2032012	WATER RESOURCE ENGINEERING	23	A	3
21HP5A0101	R2032013	GEOTECHNICAL ENGINEERING-II	25	B	3
21HP5A0101	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0101	R2032015	REMOTE SENSING & GIS LAB	15	A+	1.5
21HP5A0101	R2032016	CIVIL ENGINEERING PRACTICE	14	A+	1.5
21HP5A0101	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
21HP5A0101	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	28	COMPLE	0
21HP5A0101	R203201D	TRAFFIC ENGINEERING	22	A	3
21HP5A0101	R203201K	REMOTE SENSING AND GIS	24	C	3
21HP5A0102	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	29	A	3
21HP5A0102	R2032012	WATER RESOURCE ENGINEERING	26	B	3
21HP5A0102	R2032013	GEOTECHNICAL ENGINEERING-II	26	B	3
21HP5A0102	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0102	R2032015	REMOTE SENSING & GIS LAB	15	A+	1.5
21HP5A0102	R2032016	CIVIL ENGINEERING PRACTICE	15	A+	1.5
21HP5A0102	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
21HP5A0102	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	27	COMPLE	0
21HP5A0102	R203201D	TRAFFIC ENGINEERING	26	A	3
21HP5A0102	R203201K	REMOTE SENSING AND GIS	26	C	3
21HP5A0103	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	29	A	3
21HP5A0103	R2032012	WATER RESOURCE ENGINEERING	24	C	3
21HP5A0103	R2032013	GEOTECHNICAL ENGINEERING-II	26	A	3
21HP5A0103	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0103	R2032015	REMOTE SENSING & GIS LAB	14	A+	1.5
21HP5A0103	R2032016	CIVIL ENGINEERING PRACTICE	14	A+	1.5
21HP5A0103	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
21HP5A0103	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	27	COMPLE	0
21HP5A0103	R203201D	TRAFFIC ENGINEERING	24	D	3
21HP5A0103	R203201K	REMOTE SENSING AND GIS	24	C	3
21HP5A0104	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	30	B	3
21HP5A0104	R2032012	WATER RESOURCE ENGINEERING	19	D	3
21HP5A0104	R2032013	GEOTECHNICAL ENGINEERING-II	21	C	3
21HP5A0104	R2032014	ESTIMATION COSTING AND CONTRACTS	13	A+	1.5
21HP5A0104	R2032015	REMOTE SENSING & GIS LAB	13	A	1.5
21HP5A0104	R2032016	CIVIL ENGINEERING PRACTICE	13	A	1.5
21HP5A0104	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
21HP5A0104	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
21HP5A0104	R203201D	TRAFFIC ENGINEERING	20	A	3
21HP5A0104	R203201K	REMOTE SENSING AND GIS	24	D	3
21HP5A0105	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	26	C	3
21HP5A0105	R2032012	WATER RESOURCE ENGINEERING	19	F	0
21HP5A0105	R2032013	GEOTECHNICAL ENGINEERING-II	24	B	3
21HP5A0105	R2032014	ESTIMATION COSTING AND CONTRACTS	13	A+	1.5
21HP5A0105	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
21HP5A0105	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
21HP5A0105	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
21HP5A0105	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
21HP5A0105	R203201D	TRAFFIC ENGINEERING	17	D	3
21HP5A0105	R203201K	REMOTE SENSING AND GIS	20	E	3
21HP5A0106	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	30	B	3
21HP5A0106	R2032012	WATER RESOURCE ENGINEERING	23	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0106	R2032013	GEOTECHNICAL ENGINEERING-II	26	B	3
21HP5A0106	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0106	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
21HP5A0106	R2032016	CIVIL ENGINEERING PRACTICE	14	A	1.5
21HP5A0106	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
21HP5A0106	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	28	COMPLE	0
21HP5A0106	R203201D	TRAFFIC ENGINEERING	21	C	3
21HP5A0106	R203201K	REMOTE SENSING AND GIS	23	E	3
21HP5A0107	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	10	E	3
21HP5A0107	R2032012	WATER RESOURCE ENGINEERING	16	E	3
21HP5A0107	R2032013	GEOTECHNICAL ENGINEERING-II	24	C	3
21HP5A0107	R2032014	ESTIMATION COSTING AND CONTRACTS	11	A	1.5
21HP5A0107	R2032015	REMOTE SENSING & GIS LAB	11	A	1.5
21HP5A0107	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
21HP5A0107	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
21HP5A0107	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
21HP5A0107	R203201D	TRAFFIC ENGINEERING	14	E	3
21HP5A0107	R203201K	REMOTE SENSING AND GIS	13	F	0
21HP5A0108	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	10	E	3
21HP5A0108	R2032012	WATER RESOURCE ENGINEERING	17	E	3
21HP5A0108	R2032013	GEOTECHNICAL ENGINEERING-II	17	D	3
21HP5A0108	R2032014	ESTIMATION COSTING AND CONTRACTS	11	A+	1.5
21HP5A0108	R2032015	REMOTE SENSING & GIS LAB	13	A	1.5
21HP5A0108	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
21HP5A0108	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	B	2
21HP5A0108	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
21HP5A0108	R203201D	TRAFFIC ENGINEERING	16	D	3
21HP5A0108	R203201K	REMOTE SENSING AND GIS	19	E	3
21HP5A0109	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	30	C	3
21HP5A0109	R2032012	WATER RESOURCE ENGINEERING	16	F	0
21HP5A0109	R2032013	GEOTECHNICAL ENGINEERING-II	20	D	3
21HP5A0109	R2032014	ESTIMATION COSTING AND CONTRACTS	13	A+	1.5
21HP5A0109	R2032015	REMOTE SENSING & GIS LAB	12	B	1.5
21HP5A0109	R2032016	CIVIL ENGINEERING PRACTICE	11	B	1.5
21HP5A0109	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
21HP5A0109	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
21HP5A0109	R203201D	TRAFFIC ENGINEERING	16	D	3
21HP5A0109	R203201K	REMOTE SENSING AND GIS	17	F	0
21HP5A0110	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	29	B	3
21HP5A0110	R2032012	WATER RESOURCE ENGINEERING	20	D	3
21HP5A0110	R2032013	GEOTECHNICAL ENGINEERING-II	21	D	3
21HP5A0110	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0110	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
21HP5A0110	R2032016	CIVIL ENGINEERING PRACTICE	12	A	1.5
21HP5A0110	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
21HP5A0110	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
21HP5A0110	R203201D	TRAFFIC ENGINEERING	15	D	3
21HP5A0110	R203201K	REMOTE SENSING AND GIS	22	F	0
21HP5A0111	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	29	A+	3
21HP5A0111	R2032012	WATER RESOURCE ENGINEERING	20	D	3
21HP5A0111	R2032013	GEOTECHNICAL ENGINEERING-II	25	C	3

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0111	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0111	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
21HP5A0111	R2032016	CIVIL ENGINEERING PRACTICE	12	A	1.5
21HP5A0111	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
21HP5A0111	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
21HP5A0111	R203201D	TRAFFIC ENGINEERING	22	B	3
21HP5A0111	R203201K	REMOTE SENSING AND GIS	21	E	3
21HP5A0112	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	14	D	3
21HP5A0112	R2032012	WATER RESOURCE ENGINEERING	19	E	3
21HP5A0112	R2032013	GEOTECHNICAL ENGINEERING-II	20	C	3
21HP5A0112	R2032014	ESTIMATION COSTING AND CONTRACTS	13	A+	1.5
21HP5A0112	R2032015	REMOTE SENSING & GIS LAB	13	B	1.5
21HP5A0112	R2032016	CIVIL ENGINEERING PRACTICE	13	A	1.5
21HP5A0112	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
21HP5A0112	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
21HP5A0112	R203201D	TRAFFIC ENGINEERING	19	C	3
21HP5A0112	R203201K	REMOTE SENSING AND GIS	21	F	0
21HP5A0113	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	30	C	3
21HP5A0113	R2032012	WATER RESOURCE ENGINEERING	21	D	3
21HP5A0113	R2032013	GEOTECHNICAL ENGINEERING-II	22	C	3
21HP5A0113	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0113	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
21HP5A0113	R2032016	CIVIL ENGINEERING PRACTICE	13	A+	1.5
21HP5A0113	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
21HP5A0113	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	22	COMPLE	0
21HP5A0113	R203201D	TRAFFIC ENGINEERING	23	B	3
21HP5A0113	R203201K	REMOTE SENSING AND GIS	17	E	3
21HP5A0114	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	30	A+	3
21HP5A0114	R2032012	WATER RESOURCE ENGINEERING	18	C	3
21HP5A0114	R2032013	GEOTECHNICAL ENGINEERING-II	23	C	3
21HP5A0114	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0114	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
21HP5A0114	R2032016	CIVIL ENGINEERING PRACTICE	13	A	1.5
21HP5A0114	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A+	2
21HP5A0114	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	24	COMPLE	0
21HP5A0114	R203201D	TRAFFIC ENGINEERING	17	B	3
21HP5A0114	R203201K	REMOTE SENSING AND GIS	23	E	3
21HP5A0115	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	22	C	3
21HP5A0115	R2032012	WATER RESOURCE ENGINEERING	17	D	3
21HP5A0115	R2032013	GEOTECHNICAL ENGINEERING-II	21	D	3
21HP5A0115	R2032014	ESTIMATION COSTING AND CONTRACTS	14	A+	1.5
21HP5A0115	R2032015	REMOTE SENSING & GIS LAB	10	B	1.5
21HP5A0115	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
21HP5A0115	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
21HP5A0115	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
21HP5A0115	R203201D	TRAFFIC ENGINEERING	14	C	3
21HP5A0115	R203201K	REMOTE SENSING AND GIS	19	F	0
21HP5A0116	R2032011	DESIGN AND DRAWING OF STEEL STRUCTURES	24	E	3
21HP5A0116	R2032012	WATER RESOURCE ENGINEERING	16	D	3
21HP5A0116	R2032013	GEOTECHNICAL ENGINEERING-II	22	C	3
21HP5A0116	R2032014	ESTIMATION COSTING AND CONTRACTS	13	A+	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0116	R2032015	REMOTE SENSING & GIS LAB	12	A	1.5
21HP5A0116	R2032016	CIVIL ENGINEERING PRACTICE	10	B	1.5
21HP5A0116	R2032017	SKILL ADVANCED COURSE/ SOFT SKILL COURSE	0	A	2
21HP5A0116	R2032018	MANDATORY COURSE (AICTE) (EMPLOYABILITY	23	COMPLE	0
21HP5A0116	R203201D	TRAFFIC ENGINEERING	16	E	3
21HP5A0116	R203201K	REMOTE SENSING AND GIS	18	E	3
21HP5A0201	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	24	D	3
21HP5A0201	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	C	3
21HP5A0201	R2032023	POWER SYSTEM ANALYSIS	22	B	3
21HP5A0201	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
21HP5A0201	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
21HP5A0201	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
21HP5A0201	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0201	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
21HP5A0201	R203202B	ELECTRIC DRIVES	21	B	3
21HP5A0201	R203205K	COMPUTER NETWORKS	20	D	3
21HP5A0202	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	D	3
21HP5A0202	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	A	3
21HP5A0202	R2032023	POWER SYSTEM ANALYSIS	21	B	3
21HP5A0202	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A+	1.5
21HP5A0202	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5
21HP5A0202	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
21HP5A0202	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
21HP5A0202	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
21HP5A0202	R203202B	ELECTRIC DRIVES	23	C	3
21HP5A0202	R203205K	COMPUTER NETWORKS	18	D	3
21HP5A0203	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	21	D	3
21HP5A0203	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	C	3
21HP5A0203	R2032023	POWER SYSTEM ANALYSIS	24	B	3
21HP5A0203	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	A	1.5
21HP5A0203	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
21HP5A0203	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
21HP5A0203	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0203	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
21HP5A0203	R203202B	ELECTRIC DRIVES	18	D	3
21HP5A0203	R203205K	COMPUTER NETWORKS	20	D	3
21HP5A0204	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	D	3
21HP5A0204	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	E	3
21HP5A0204	R2032023	POWER SYSTEM ANALYSIS	20	C	3
21HP5A0204	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
21HP5A0204	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
21HP5A0204	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A+	1.5
21HP5A0204	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0204	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
21HP5A0204	R203202B	ELECTRIC DRIVES	20	C	3
21HP5A0204	R203205K	COMPUTER NETWORKS	17	D	3
21HP5A0205	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	D	3
21HP5A0205	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	26	B	3
21HP5A0205	R2032023	POWER SYSTEM ANALYSIS	21	C	3
21HP5A0205	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A+	1.5
21HP5A0205	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0205	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
21HP5A0205	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0205	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
21HP5A0205	R203202B	ELECTRIC DRIVES	23	D	3
21HP5A0205	R203205K	COMPUTER NETWORKS	20	D	3
21HP5A0206	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	D	3
21HP5A0206	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	B	3
21HP5A0206	R2032023	POWER SYSTEM ANALYSIS	18	D	3
21HP5A0206	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	10	A	1.5
21HP5A0206	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	10	A	1.5
21HP5A0206	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
21HP5A0206	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
21HP5A0206	R2032028	RESEARCH METHODOLOGY	18	COMPLE	0
21HP5A0206	R203202B	ELECTRIC DRIVES	22	B	3
21HP5A0206	R203205K	COMPUTER NETWORKS	21	D	3
21HP5A0207	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	24	C	3
21HP5A0207	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	25	D	3
21HP5A0207	R2032023	POWER SYSTEM ANALYSIS	23	D	3
21HP5A0207	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
21HP5A0207	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	C	1.5
21HP5A0207	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A	1.5
21HP5A0207	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0207	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
21HP5A0207	R203202B	ELECTRIC DRIVES	23	C	3
21HP5A0207	R203205K	COMPUTER NETWORKS	19	E	3
21HP5A0208	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	E	3
21HP5A0208	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	22	F	0
21HP5A0208	R2032023	POWER SYSTEM ANALYSIS	15	F	0
21HP5A0208	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	A	1.5
21HP5A0208	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
21HP5A0208	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	B	1.5
21HP5A0208	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0208	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
21HP5A0208	R203202B	ELECTRIC DRIVES	21	E	3
21HP5A0208	R203205K	COMPUTER NETWORKS	15	E	3
21HP5A0210	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	B	3
21HP5A0210	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	B	3
21HP5A0210	R2032023	POWER SYSTEM ANALYSIS	26	A	3
21HP5A0210	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A	1.5
21HP5A0210	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5
21HP5A0210	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
21HP5A0210	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A+	2
21HP5A0210	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
21HP5A0210	R203202B	ELECTRIC DRIVES	24	B	3
21HP5A0210	R203205K	COMPUTER NETWORKS	23	C	3
21HP5A0211	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	22	E	3
21HP5A0211	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	21	C	3
21HP5A0211	R2032023	POWER SYSTEM ANALYSIS	19	B	3
21HP5A0211	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	A	1.5
21HP5A0211	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	A	1.5
21HP5A0211	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0211	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0211	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
21HP5A0211	R203202B	ELECTRIC DRIVES	17	D	3
21HP5A0211	R203205K	COMPUTER NETWORKS	16	E	3
21HP5A0213	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	20	E	3
21HP5A0213	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	19	D	3
21HP5A0213	R2032023	POWER SYSTEM ANALYSIS	17	E	3
21HP5A0213	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	A	1.5
21HP5A0213	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	B	1.5
21HP5A0213	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
21HP5A0213	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0213	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
21HP5A0213	R203202B	ELECTRIC DRIVES	19	E	3
21HP5A0213	R203205K	COMPUTER NETWORKS	19	F	0
21HP5A0214	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	12	F	0
21HP5A0214	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	F	0
21HP5A0214	R2032023	POWER SYSTEM ANALYSIS	15	E	3
21HP5A0214	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
21HP5A0214	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
21HP5A0214	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	B	1.5
21HP5A0214	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0214	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
21HP5A0214	R203202B	ELECTRIC DRIVES	13	F	0
21HP5A0214	R203205K	COMPUTER NETWORKS	17	E	3
21HP5A0215	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	10	E	3
21HP5A0215	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	E	3
21HP5A0215	R2032023	POWER SYSTEM ANALYSIS	9	E	3
21HP5A0215	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	6	B	1.5
21HP5A0215	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	4	F	0
21HP5A0215	R2032026	POWER SYSTEMS AND SIMULATION LAB	9	C	1.5
21HP5A0215	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0215	R2032028	RESEARCH METHODOLOGY	15	COMPLE	0
21HP5A0215	R203202B	ELECTRIC DRIVES	6	F	0
21HP5A0215	R203205K	COMPUTER NETWORKS	0	E	3
21HP5A0216	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	26	D	3
21HP5A0216	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	23	C	3
21HP5A0216	R2032023	POWER SYSTEM ANALYSIS	22	B	3
21HP5A0216	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	11	A	1.5
21HP5A0216	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	11	B	1.5
21HP5A0216	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A	1.5
21HP5A0216	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0216	R2032028	RESEARCH METHODOLOGY	19	COMPLE	0
21HP5A0216	R203202B	ELECTRIC DRIVES	18	B	3
21HP5A0216	R203205K	COMPUTER NETWORKS	22	D	3
21HP5A0217	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	25	E	3
21HP5A0217	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	20	E	3
21HP5A0217	R2032023	POWER SYSTEM ANALYSIS	19	C	3
21HP5A0217	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	13	A	1.5
21HP5A0217	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	13	A	1.5
21HP5A0217	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A+	1.5
21HP5A0217	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0217	R2032028	RESEARCH METHODOLOGY	21	COMPLE	0
21HP5A0217	R203202B	ELECTRIC DRIVES	21	D	3
21HP5A0217	R203205K	COMPUTER NETWORKS	21	D	3
21HP5A0218	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	23	C	3
21HP5A0218	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	25	D	3
21HP5A0218	R2032023	POWER SYSTEM ANALYSIS	21	C	3
21HP5A0218	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	12	A	1.5
21HP5A0218	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	12	A	1.5
21HP5A0218	R2032026	POWER SYSTEMS AND SIMULATION LAB	12	A	1.5
21HP5A0218	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0218	R2032028	RESEARCH METHODOLOGY	20	COMPLE	0
21HP5A0218	R203202B	ELECTRIC DRIVES	16	E	3
21HP5A0218	R203205K	COMPUTER NETWORKS	20	E	3
21HP5A0219	R2032021	MICROPROCESSORS AND MICROCONTROLLERS	19	E	3
21HP5A0219	R2032022	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	25	C	3
21HP5A0219	R2032023	POWER SYSTEM ANALYSIS	17	E	3
21HP5A0219	R2032024	ELECTRICAL MEASUREMENTS AND INSTRUMENTAT	14	A+	1.5
21HP5A0219	R2032025	MICROPROCESSORS AND MICROCONTROLLERS LAB	14	A+	1.5
21HP5A0219	R2032026	POWER SYSTEMS AND SIMULATION LAB	15	A	1.5
21HP5A0219	R2032027	SKILL ADVANCED COURSE: MACHINE LEARNING	0	A	2
21HP5A0219	R2032028	RESEARCH METHODOLOGY	22	COMPLE	0
21HP5A0219	R203202B	ELECTRIC DRIVES	17	F	0
21HP5A0219	R203205K	COMPUTER NETWORKS	17	D	3
21HP5A0301	R2032031	HEAT TRANSFER	21	D	3
21HP5A0301	R2032032	DESIGN OF MACHINE MEMBERS-II	23	C	3
21HP5A0301	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	E	3
21HP5A0301	R2032034	HEAT TRANSFER LAB	12	C	1.5
21HP5A0301	R2032035	CAE&CAM LAB	8	E	1.5
21HP5A0301	R2032036	MEASUREMENTS & METROLOGY LAB	9	D	1.5
21HP5A0301	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0301	R2032038	RESEARCH METHODOLOGY AND IPR	26	COMPLE	0
21HP5A0301	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	D	3
21HP5A0301	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	21	B	3
21HP5A0302	R2032031	HEAT TRANSFER	24	B	3
21HP5A0302	R2032032	DESIGN OF MACHINE MEMBERS-II	25	B	3
21HP5A0302	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	21	C	3
21HP5A0302	R2032034	HEAT TRANSFER LAB	14	B	1.5
21HP5A0302	R2032035	CAE&CAM LAB	14	A	1.5
21HP5A0302	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0302	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0302	R2032038	RESEARCH METHODOLOGY AND IPR	26	COMPLE	0
21HP5A0302	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	29	C	3
21HP5A0302	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	26	A	3
21HP5A0303	R2032031	HEAT TRANSFER	21	D	3
21HP5A0303	R2032032	DESIGN OF MACHINE MEMBERS-II	21	E	3
21HP5A0303	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	19	D	3
21HP5A0303	R2032034	HEAT TRANSFER LAB	13	B	1.5
21HP5A0303	R2032035	CAE&CAM LAB	8	D	1.5
21HP5A0303	R2032036	MEASUREMENTS & METROLOGY LAB	13	A	1.5
21HP5A0303	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0303	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0303	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	25	C	3
21HP5A0303	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	25	C	3
21HP5A0304	R2032031	HEAT TRANSFER	18	F	0
21HP5A0304	R2032032	DESIGN OF MACHINE MEMBERS-II	24	D	3
21HP5A0304	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	22	D	3
21HP5A0304	R2032034	HEAT TRANSFER LAB	15	A	1.5
21HP5A0304	R2032035	CAE&CAM LAB	14	A	1.5
21HP5A0304	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0304	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0304	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0304	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	D	3
21HP5A0304	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	25	B	3
21HP5A0305	R2032031	HEAT TRANSFER	25	B	3
21HP5A0305	R2032032	DESIGN OF MACHINE MEMBERS-II	26	A	3
21HP5A0305	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	22	D	3
21HP5A0305	R2032034	HEAT TRANSFER LAB	14	A	1.5
21HP5A0305	R2032035	CAE&CAM LAB	13	B	1.5
21HP5A0305	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0305	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0305	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0305	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	B	3
21HP5A0305	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	25	B	3
21HP5A0306	R2032031	HEAT TRANSFER	13	E	3
21HP5A0306	R2032032	DESIGN OF MACHINE MEMBERS-II	20	D	3
21HP5A0306	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	15	E	3
21HP5A0306	R2032034	HEAT TRANSFER LAB	14	A+	1.5
21HP5A0306	R2032035	CAE&CAM LAB	14	C	1.5
21HP5A0306	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0306	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0306	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
21HP5A0306	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	D	3
21HP5A0306	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	D	3
21HP5A0307	R2032031	HEAT TRANSFER	23	C	3
21HP5A0307	R2032032	DESIGN OF MACHINE MEMBERS-II	28	C	3
21HP5A0307	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	23	D	3
21HP5A0307	R2032034	HEAT TRANSFER LAB	15	A+	1.5
21HP5A0307	R2032035	CAE&CAM LAB	14	B	1.5
21HP5A0307	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0307	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0307	R2032038	RESEARCH METHODOLOGY AND IPR	26	COMPLE	0
21HP5A0307	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	26	C	3
21HP5A0307	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	24	B	3
21HP5A0308	R2032031	HEAT TRANSFER	20	A+	3
21HP5A0308	R2032032	DESIGN OF MACHINE MEMBERS-II	21	D	3
21HP5A0308	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	D	3
21HP5A0308	R2032034	HEAT TRANSFER LAB	13	C	1.5
21HP5A0308	R2032035	CAE&CAM LAB	14	A	1.5
21HP5A0308	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0308	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0308	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
21HP5A0308	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0308	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	C	3
21HP5A0309	R2032031	HEAT TRANSFER	15	E	3
21HP5A0309	R2032032	DESIGN OF MACHINE MEMBERS-II	19	D	3
21HP5A0309	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	21	E	3
21HP5A0309	R2032034	HEAT TRANSFER LAB	13	B	1.5
21HP5A0309	R2032035	CAE&CAM LAB	10	B	1.5
21HP5A0309	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0309	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0309	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0309	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	24	C	3
21HP5A0309	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	22	C	3
21HP5A0310	R2032031	HEAT TRANSFER	16	C	3
21HP5A0310	R2032032	DESIGN OF MACHINE MEMBERS-II	14	C	3
21HP5A0310	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	13	E	3
21HP5A0310	R2032034	HEAT TRANSFER LAB	14	A	1.5
21HP5A0310	R2032035	CAE&CAM LAB	10	C	1.5
21HP5A0310	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0310	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0310	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0310	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	16	D	3
21HP5A0310	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	D	3
21HP5A0311	R2032031	HEAT TRANSFER	22	D	3
21HP5A0311	R2032032	DESIGN OF MACHINE MEMBERS-II	19	D	3
21HP5A0311	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	D	3
21HP5A0311	R2032034	HEAT TRANSFER LAB	15	A+	1.5
21HP5A0311	R2032035	CAE&CAM LAB	14	B	1.5
21HP5A0311	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0311	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0311	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
21HP5A0311	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	C	3
21HP5A0311	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	B	3
21HP5A0313	R2032031	HEAT TRANSFER	16	E	3
21HP5A0313	R2032032	DESIGN OF MACHINE MEMBERS-II	18	E	3
21HP5A0313	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	E	3
21HP5A0313	R2032034	HEAT TRANSFER LAB	14	C	1.5
21HP5A0313	R2032035	CAE&CAM LAB	10	C	1.5
21HP5A0313	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0313	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0313	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0313	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	D	3
21HP5A0313	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	C	3
21HP5A0314	R2032031	HEAT TRANSFER	19	D	3
21HP5A0314	R2032032	DESIGN OF MACHINE MEMBERS-II	19	C	3
21HP5A0314	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	E	3
21HP5A0314	R2032034	HEAT TRANSFER LAB	14	A+	1.5
21HP5A0314	R2032035	CAE&CAM LAB	10	C	1.5
21HP5A0314	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0314	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0314	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
21HP5A0314	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	D	3
21HP5A0314	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	16	D	3

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0315	R2032031	HEAT TRANSFER	16	E	3
21HP5A0315	R2032032	DESIGN OF MACHINE MEMBERS-II	19	E	3
21HP5A0315	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	12	E	3
21HP5A0315	R2032034	HEAT TRANSFER LAB	15	A	1.5
21HP5A0315	R2032035	CAE&CAM LAB	10	C	1.5
21HP5A0315	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0315	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0315	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
21HP5A0315	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	D	3
21HP5A0315	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	C	3
21HP5A0316	R2032031	HEAT TRANSFER	16	E	3
21HP5A0316	R2032032	DESIGN OF MACHINE MEMBERS-II	20	D	3
21HP5A0316	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
21HP5A0316	R2032034	HEAT TRANSFER LAB	15	A+	1.5
21HP5A0316	R2032035	CAE&CAM LAB	14	A+	1.5
21HP5A0316	R2032036	MEASUREMENTS & METROLOGY LAB	10	C	1.5
21HP5A0316	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0316	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0316	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	E	3
21HP5A0316	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	22	C	3
21HP5A0317	R2032031	HEAT TRANSFER	10	F	0
21HP5A0317	R2032032	DESIGN OF MACHINE MEMBERS-II	9	F	0
21HP5A0317	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	F	0
21HP5A0317	R2032034	HEAT TRANSFER LAB	7	F	0
21HP5A0317	R2032035	CAE&CAM LAB	6	F	0
21HP5A0317	R2032036	MEASUREMENTS & METROLOGY LAB	6	E	1.5
21HP5A0317	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	F	0
21HP5A0317	R2032038	RESEARCH METHODOLOGY AND IPR	13	COMPLE	0
21HP5A0317	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	15	AB	0
21HP5A0317	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	17	AB	0
21HP5A0319	R2032031	HEAT TRANSFER	17	F	0
21HP5A0319	R2032032	DESIGN OF MACHINE MEMBERS-II	21	C	3
21HP5A0319	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	F	0
21HP5A0319	R2032034	HEAT TRANSFER LAB	13	A	1.5
21HP5A0319	R2032035	CAE&CAM LAB	12	C	1.5
21HP5A0319	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0319	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0319	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
21HP5A0319	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	B	3
21HP5A0319	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	22	D	3
21HP5A0320	R2032031	HEAT TRANSFER	9	F	0
21HP5A0320	R2032032	DESIGN OF MACHINE MEMBERS-II	2	F	0
21HP5A0320	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	4	F	0
21HP5A0320	R2032034	HEAT TRANSFER LAB	7	D	1.5
21HP5A0320	R2032035	CAE&CAM LAB	6	F	0
21HP5A0320	R2032036	MEASUREMENTS & METROLOGY LAB	6	F	0
21HP5A0320	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	F	0
21HP5A0320	R2032038	RESEARCH METHODOLOGY AND IPR	15	COMPLE	0
21HP5A0320	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	11	AB	0
21HP5A0320	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	10	AB	0
21HP5A0321	R2032031	HEAT TRANSFER	17	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0321	R2032032	DESIGN OF MACHINE MEMBERS-II	15	E	3
21HP5A0321	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	20	E	3
21HP5A0321	R2032034	HEAT TRANSFER LAB	13	A	1.5
21HP5A0321	R2032035	CAE&CAM LAB	13	A	1.5
21HP5A0321	R2032036	MEASUREMENTS & METROLOGY LAB	13	A	1.5
21HP5A0321	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0321	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
21HP5A0321	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	E	3
21HP5A0321	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	C	3
21HP5A0322	R2032031	HEAT TRANSFER	17	F	0
21HP5A0322	R2032032	DESIGN OF MACHINE MEMBERS-II	13	E	3
21HP5A0322	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
21HP5A0322	R2032034	HEAT TRANSFER LAB	13	B	1.5
21HP5A0322	R2032035	CAE&CAM LAB	11	A+	1.5
21HP5A0322	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0322	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0322	R2032038	RESEARCH METHODOLOGY AND IPR	21	COMPLE	0
21HP5A0322	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	D	3
21HP5A0322	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	18	C	3
21HP5A0323	R2032031	HEAT TRANSFER	24	C	3
21HP5A0323	R2032032	DESIGN OF MACHINE MEMBERS-II	25	D	3
21HP5A0323	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	21	E	3
21HP5A0323	R2032034	HEAT TRANSFER LAB	14	C	1.5
21HP5A0323	R2032035	CAE&CAM LAB	14	A	1.5
21HP5A0323	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0323	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0323	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
21HP5A0323	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	D	3
21HP5A0323	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	26	B	3
21HP5A0324	R2032031	HEAT TRANSFER	19	E	3
21HP5A0324	R2032032	DESIGN OF MACHINE MEMBERS-II	17	E	3
21HP5A0324	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	E	3
21HP5A0324	R2032034	HEAT TRANSFER LAB	13	A	1.5
21HP5A0324	R2032035	CAE&CAM LAB	10	C	1.5
21HP5A0324	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0324	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0324	R2032038	RESEARCH METHODOLOGY AND IPR	24	COMPLE	0
21HP5A0324	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	E	3
21HP5A0324	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	D	3
21HP5A0325	R2032031	HEAT TRANSFER	22	D	3
21HP5A0325	R2032032	DESIGN OF MACHINE MEMBERS-II	23	F	0
21HP5A0325	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
21HP5A0325	R2032034	HEAT TRANSFER LAB	13	C	1.5
21HP5A0325	R2032035	CAE&CAM LAB	10	D	1.5
21HP5A0325	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0325	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0325	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
21HP5A0325	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	E	3
21HP5A0325	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	22	C	3
21HP5A0326	R2032031	HEAT TRANSFER	17	E	3
21HP5A0326	R2032032	DESIGN OF MACHINE MEMBERS-II	14	E	3

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0326	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	14	E	3
21HP5A0326	R2032034	HEAT TRANSFER LAB	12	A	1.5
21HP5A0326	R2032035	CAE&CAM LAB	8	B	1.5
21HP5A0326	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0326	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0326	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0326	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	20	D	3
21HP5A0326	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	D	3
21HP5A0327	R2032031	HEAT TRANSFER	17	D	3
21HP5A0327	R2032032	DESIGN OF MACHINE MEMBERS-II	15	E	3
21HP5A0327	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	18	E	3
21HP5A0327	R2032034	HEAT TRANSFER LAB	14	A	1.5
21HP5A0327	R2032035	CAE&CAM LAB	10	B	1.5
21HP5A0327	R2032036	MEASUREMENTS & METROLOGY LAB	11	A	1.5
21HP5A0327	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0327	R2032038	RESEARCH METHODOLOGY AND IPR	20	COMPLE	0
21HP5A0327	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	D	3
21HP5A0327	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	E	3
21HP5A0328	R2032031	HEAT TRANSFER	18	D	3
21HP5A0328	R2032032	DESIGN OF MACHINE MEMBERS-II	17	D	3
21HP5A0328	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	21	F	0
21HP5A0328	R2032034	HEAT TRANSFER LAB	13	B	1.5
21HP5A0328	R2032035	CAE&CAM LAB	11	A	1.5
21HP5A0328	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0328	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0328	R2032038	RESEARCH METHODOLOGY AND IPR	21	COMPLE	0
21HP5A0328	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	14	E	3
21HP5A0328	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	21	D	3
21HP5A0329	R2032031	HEAT TRANSFER	25	B	3
21HP5A0329	R2032032	DESIGN OF MACHINE MEMBERS-II	21	D	3
21HP5A0329	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	E	3
21HP5A0329	R2032034	HEAT TRANSFER LAB	15	A+	1.5
21HP5A0329	R2032035	CAE&CAM LAB	13	A+	1.5
21HP5A0329	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0329	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0329	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
21HP5A0329	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	25	C	3
21HP5A0329	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	B	3
21HP5A0330	R2032031	HEAT TRANSFER	19	B	3
21HP5A0330	R2032032	DESIGN OF MACHINE MEMBERS-II	21	D	3
21HP5A0330	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	20	D	3
21HP5A0330	R2032034	HEAT TRANSFER LAB	14	A	1.5
21HP5A0330	R2032035	CAE&CAM LAB	13	A	1.5
21HP5A0330	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0330	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0330	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
21HP5A0330	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	23	D	3
21HP5A0330	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	21	C	3
21HP5A0331	R2032031	HEAT TRANSFER	21	D	3
21HP5A0331	R2032032	DESIGN OF MACHINE MEMBERS-II	18	E	3
21HP5A0331	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	19	F	0

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0331	R2032034	HEAT TRANSFER LAB	12	A+	1.5
21HP5A0331	R2032035	CAE&CAM LAB	10	C	1.5
21HP5A0331	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0331	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0331	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
21HP5A0331	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	18	D	3
21HP5A0331	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	C	3
21HP5A0332	R2032031	HEAT TRANSFER	21	D	3
21HP5A0332	R2032032	DESIGN OF MACHINE MEMBERS-II	25	D	3
21HP5A0332	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	21	D	3
21HP5A0332	R2032034	HEAT TRANSFER LAB	15	A+	1.5
21HP5A0332	R2032035	CAE&CAM LAB	11	A	1.5
21HP5A0332	R2032036	MEASUREMENTS & METROLOGY LAB	12	B	1.5
21HP5A0332	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	E	2
21HP5A0332	R2032038	RESEARCH METHODOLOGY AND IPR	22	COMPLE	0
21HP5A0332	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	17	D	3
21HP5A0332	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	22	C	3
21HP5A0333	R2032031	HEAT TRANSFER	14	E	3
21HP5A0333	R2032032	DESIGN OF MACHINE MEMBERS-II	15	F	0
21HP5A0333	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	19	D	3
21HP5A0333	R2032034	HEAT TRANSFER LAB	15	A+	1.5
21HP5A0333	R2032035	CAE&CAM LAB	11	C	1.5
21HP5A0333	R2032036	MEASUREMENTS & METROLOGY LAB	12	A	1.5
21HP5A0333	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0333	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
21HP5A0333	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	D	3
21HP5A0333	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	23	B	3
21HP5A0334	R2032031	HEAT TRANSFER	17	D	3
21HP5A0334	R2032032	DESIGN OF MACHINE MEMBERS-II	13	D	3
21HP5A0334	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	16	E	3
21HP5A0334	R2032034	HEAT TRANSFER LAB	14	A	1.5
21HP5A0334	R2032035	CAE&CAM LAB	11	B	1.5
21HP5A0334	R2032036	MEASUREMENTS & METROLOGY LAB	10	B	1.5
21HP5A0334	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0334	R2032038	RESEARCH METHODOLOGY AND IPR	19	COMPLE	0
21HP5A0334	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	21	C	3
21HP5A0334	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	20	D	3
21HP5A0335	R2032031	HEAT TRANSFER	15	F	0
21HP5A0335	R2032032	DESIGN OF MACHINE MEMBERS-II	17	E	3
21HP5A0335	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	19	E	3
21HP5A0335	R2032034	HEAT TRANSFER LAB	13	A	1.5
21HP5A0335	R2032035	CAE&CAM LAB	13	C	1.5
21HP5A0335	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0335	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0335	R2032038	RESEARCH METHODOLOGY AND IPR	23	COMPLE	0
21HP5A0335	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	22	E	3
21HP5A0335	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	21	C	3
21HP5A0336	R2032031	HEAT TRANSFER	19	F	0
21HP5A0336	R2032032	DESIGN OF MACHINE MEMBERS-II	16	E	3
21HP5A0336	R2032033	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	17	F	0
21HP5A0336	R2032034	HEAT TRANSFER LAB	14	B	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0336	R2032035	CAE&CAM LAB	13	C	1.5
21HP5A0336	R2032036	MEASUREMENTS & METROLOGY LAB	11	B	1.5
21HP5A0336	R2032037	ARTIFICIAL INTELLIGENCE AND MACHINE LEAR	0	D	2
21HP5A0336	R2032038	RESEARCH METHODOLOGY AND IPR	25	COMPLE	0
21HP5A0336	R203203E	INDUSTRIAL HYDRAULICS AND PNEUMATICS	19	E	3
21HP5A0336	R203203J	INTRODUCTION TO AUTOMOBILE ENGINEERING	19	D	3
21HP5A0401	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	25	C	3
21HP5A0401	R2032042	VLSI DESIGN	23	B	3
21HP5A0401	R2032043	DIGITAL SIGNAL PROCESSING	25	C	3
21HP5A0401	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
21HP5A0401	R2032045	VLSI DESIGN LAB	14	B	1.5
21HP5A0401	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	B	1.5
21HP5A0401	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0401	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
21HP5A0401	R203204B	MOBILE & CELLULAR COMMUNICATION	23	C	3
21HP5A0401	R203205K	COMPUTER NETWORKS	22	D	3
21HP5A0402	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	23	C	3
21HP5A0402	R2032042	VLSI DESIGN	23	D	3
21HP5A0402	R2032043	DIGITAL SIGNAL PROCESSING	21	E	3
21HP5A0402	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
21HP5A0402	R2032045	VLSI DESIGN LAB	14	A	1.5
21HP5A0402	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
21HP5A0402	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0402	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
21HP5A0402	R203204B	MOBILE & CELLULAR COMMUNICATION	23	E	3
21HP5A0402	R203205K	COMPUTER NETWORKS	25	A	3
21HP5A0403	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	18	E	3
21HP5A0403	R2032042	VLSI DESIGN	14	E	3
21HP5A0403	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
21HP5A0403	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	10	C	1.5
21HP5A0403	R2032045	VLSI DESIGN LAB	12	C	1.5
21HP5A0403	R2032046	DIGITAL SIGNAL PROCESSING LAB	12	A	1.5
21HP5A0403	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0403	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
21HP5A0403	R203204B	MOBILE & CELLULAR COMMUNICATION	19	F	0
21HP5A0403	R203205K	COMPUTER NETWORKS	12	E	3
21HP5A0404	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	24	C	3
21HP5A0404	R2032042	VLSI DESIGN	22	D	3
21HP5A0404	R2032043	DIGITAL SIGNAL PROCESSING	23	E	3
21HP5A0404	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	13	A	1.5
21HP5A0404	R2032045	VLSI DESIGN LAB	13	B	1.5
21HP5A0404	R2032046	DIGITAL SIGNAL PROCESSING LAB	15	B	1.5
21HP5A0404	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0404	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
21HP5A0404	R203204B	MOBILE & CELLULAR COMMUNICATION	22	D	3
21HP5A0404	R203205K	COMPUTER NETWORKS	22	C	3
21HP5A0406	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	C	3
21HP5A0406	R2032042	VLSI DESIGN	27	B	3
21HP5A0406	R2032043	DIGITAL SIGNAL PROCESSING	25	C	3
21HP5A0406	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
21HP5A0406	R2032045	VLSI DESIGN LAB	14	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0406	R2032046	DIGITAL SIGNAL PROCESSING LAB	10	C	1.5
21HP5A0406	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0406	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
21HP5A0406	R203204B	MOBILE & CELLULAR COMMUNICATION	25	D	3
21HP5A0406	R203205K	COMPUTER NETWORKS	19	D	3
21HP5A0407	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	20	C	3
21HP5A0407	R2032042	VLSI DESIGN	25	B	3
21HP5A0407	R2032043	DIGITAL SIGNAL PROCESSING	26	C	3
21HP5A0407	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	C	1.5
21HP5A0407	R2032045	VLSI DESIGN LAB	13	B	1.5
21HP5A0407	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
21HP5A0407	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0407	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
21HP5A0407	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
21HP5A0407	R203205K	COMPUTER NETWORKS	21	B	3
21HP5A0408	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	27	D	3
21HP5A0408	R2032042	VLSI DESIGN	26	D	3
21HP5A0408	R2032043	DIGITAL SIGNAL PROCESSING	23	F	0
21HP5A0408	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	12	D	1.5
21HP5A0408	R2032045	VLSI DESIGN LAB	13	C	1.5
21HP5A0408	R2032046	DIGITAL SIGNAL PROCESSING LAB	14	C	1.5
21HP5A0408	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
21HP5A0408	R2032048	RESEARCH METHODOLOGY	22	COMPLE	0
21HP5A0408	R203204B	MOBILE & CELLULAR COMMUNICATION	24	D	3
21HP5A0408	R203205K	COMPUTER NETWORKS	15	E	3
21HP5A0409	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
21HP5A0409	R2032042	VLSI DESIGN	23	E	3
21HP5A0409	R2032043	DIGITAL SIGNAL PROCESSING	22	F	0
21HP5A0409	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	8	C	1.5
21HP5A0409	R2032045	VLSI DESIGN LAB	13	B	1.5
21HP5A0409	R2032046	DIGITAL SIGNAL PROCESSING LAB	9	D	1.5
21HP5A0409	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
21HP5A0409	R2032048	RESEARCH METHODOLOGY	28	COMPLE	0
21HP5A0409	R203204B	MOBILE & CELLULAR COMMUNICATION	17	E	3
21HP5A0409	R203205K	COMPUTER NETWORKS	21	D	3
21HP5A0410	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	22	D	3
21HP5A0410	R2032042	VLSI DESIGN	25	B	3
21HP5A0410	R2032043	DIGITAL SIGNAL PROCESSING	23	D	3
21HP5A0410	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	7	C	1.5
21HP5A0410	R2032045	VLSI DESIGN LAB	13	B	1.5
21HP5A0410	R2032046	DIGITAL SIGNAL PROCESSING LAB	9	D	1.5
21HP5A0410	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	C	2
21HP5A0410	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
21HP5A0410	R203204B	MOBILE & CELLULAR COMMUNICATION	23	D	3
21HP5A0410	R203205K	COMPUTER NETWORKS	18	C	3
21HP5A0411	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	17	F	0
21HP5A0411	R2032042	VLSI DESIGN	21	F	0
21HP5A0411	R2032043	DIGITAL SIGNAL PROCESSING	18	F	0
21HP5A0411	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	2	F	0
21HP5A0411	R2032045	VLSI DESIGN LAB	4	E	1.5
21HP5A0411	R2032046	DIGITAL SIGNAL PROCESSING LAB	5	D	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0411	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0411	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
21HP5A0411	R203204B	MOBILE & CELLULAR COMMUNICATION	18	F	0
21HP5A0411	R203205K	COMPUTER NETWORKS	15	F	0
21HP5A0412	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	18	E	3
21HP5A0412	R2032042	VLSI DESIGN	19	D	3
21HP5A0412	R2032043	DIGITAL SIGNAL PROCESSING	22	C	3
21HP5A0412	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	14	C	1.5
21HP5A0412	R2032045	VLSI DESIGN LAB	13	C	1.5
21HP5A0412	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	C	1.5
21HP5A0412	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0412	R2032048	RESEARCH METHODOLOGY	29	COMPLE	0
21HP5A0412	R203204B	MOBILE & CELLULAR COMMUNICATION	19	D	3
21HP5A0412	R203205K	COMPUTER NETWORKS	18	E	3
21HP5A0413	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	13	E	3
21HP5A0413	R2032042	VLSI DESIGN	17	F	0
21HP5A0413	R2032043	DIGITAL SIGNAL PROCESSING	15	F	0
21HP5A0413	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	7	F	0
21HP5A0413	R2032045	VLSI DESIGN LAB	11	C	1.5
21HP5A0413	R2032046	DIGITAL SIGNAL PROCESSING LAB	8	D	1.5
21HP5A0413	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0413	R2032048	RESEARCH METHODOLOGY	30	COMPLE	0
21HP5A0413	R203204B	MOBILE & CELLULAR COMMUNICATION	15	F	0
21HP5A0413	R203205K	COMPUTER NETWORKS	14	E	3
21HP5A0414	R2032041	MICROPROCESSOR AND MICROCONTROLLERS	24	C	3
21HP5A0414	R2032042	VLSI DESIGN	22	C	3
21HP5A0414	R2032043	DIGITAL SIGNAL PROCESSING	24	D	3
21HP5A0414	R2032044	MICROPROCESSOR AND MICROCONTROLLERS LAB	7	D	1.5
21HP5A0414	R2032045	VLSI DESIGN LAB	15	B	1.5
21HP5A0414	R2032046	DIGITAL SIGNAL PROCESSING LAB	13	A+	1.5
21HP5A0414	R2032047	ARM BASED/AURDINO BASED PROGRAMMING	0	D	2
21HP5A0414	R2032048	RESEARCH METHODOLOGY	27	COMPLE	0
21HP5A0414	R203204B	MOBILE & CELLULAR COMMUNICATION	19	E	3
21HP5A0414	R203205K	COMPUTER NETWORKS	18	D	3
21HP5A0501	R203204L	IOT AND APPLICATIONS	26	B	3
21HP5A0501	R2032051	MACHINE LEARNING	29	C	3
21HP5A0501	R2032052	COMPILER DESIGN	19	E	3
21HP5A0501	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	B	3
21HP5A0501	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
21HP5A0501	R2032055	COMPILER DESIGN LAB	13	A+	1.5
21HP5A0501	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0501	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
21HP5A0501	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
21HP5A0501	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
21HP5A0502	R203204L	IOT AND APPLICATIONS	25	E	3
21HP5A0502	R2032051	MACHINE LEARNING	22	E	3
21HP5A0502	R2032052	COMPILER DESIGN	16	E	3
21HP5A0502	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	D	3
21HP5A0502	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
21HP5A0502	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0502	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0502	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
21HP5A0502	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A0502	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	22	E	3
21HP5A0503	R203204L	IOT AND APPLICATIONS	26	C	3
21HP5A0503	R2032051	MACHINE LEARNING	25	D	3
21HP5A0503	R2032052	COMPILER DESIGN	15	E	3
21HP5A0503	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
21HP5A0503	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
21HP5A0503	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0503	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0503	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
21HP5A0503	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A0503	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	C	3
21HP5A0504	R203204L	IOT AND APPLICATIONS	25	C	3
21HP5A0504	R2032051	MACHINE LEARNING	22	C	3
21HP5A0504	R2032052	COMPILER DESIGN	20	D	3
21HP5A0504	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	27	C	3
21HP5A0504	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
21HP5A0504	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0504	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0504	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
21HP5A0504	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A0504	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	D	3
21HP5A0505	R203204L	IOT AND APPLICATIONS	25	B	3
21HP5A0505	R2032051	MACHINE LEARNING	26	B	3
21HP5A0505	R2032052	COMPILER DESIGN	21	C	3
21HP5A0505	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	C	3
21HP5A0505	R2032054	MACHINE LEARNING USING PYTHON LAB	14	A	1.5
21HP5A0505	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0505	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0505	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
21HP5A0505	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A0505	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	D	3
21HP5A0506	R203204L	IOT AND APPLICATIONS	22	AB	0
21HP5A0506	R2032051	MACHINE LEARNING	28	AB	0
21HP5A0506	R2032052	COMPILER DESIGN	21	AB	0
21HP5A0506	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	17	AB	0
21HP5A0506	R2032054	MACHINE LEARNING USING PYTHON LAB	14	AB	0
21HP5A0506	R2032055	COMPILER DESIGN LAB	13	AB	0
21HP5A0506	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	AB	0
21HP5A0506	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	AB	0
21HP5A0506	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
21HP5A0506	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	25	AB	0
21HP5A0508	R203204L	IOT AND APPLICATIONS	21	C	3
21HP5A0508	R2032051	MACHINE LEARNING	15	D	3
21HP5A0508	R2032052	COMPILER DESIGN	17	E	3
21HP5A0508	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	16	E	3
21HP5A0508	R2032054	MACHINE LEARNING USING PYTHON LAB	14	B	1.5
21HP5A0508	R2032055	COMPILER DESIGN LAB	13	A+	1.5
21HP5A0508	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	12	B	1.5
21HP5A0508	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	E	2

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0508	R2032059	EMPLOYABILITY SKILLS-II	24	COMPLE	0
21HP5A0508	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	23	C	3
21HP5A0509	R203204L	IOT AND APPLICATIONS	27	C	3
21HP5A0509	R2032051	MACHINE LEARNING	24	C	3
21HP5A0509	R2032052	COMPILER DESIGN	26	D	3
21HP5A0509	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
21HP5A0509	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A	1.5
21HP5A0509	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0509	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0509	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
21HP5A0509	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A0509	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	28	D	3
21HP5A0510	R203204L	IOT AND APPLICATIONS	21	F	0
21HP5A0510	R2032051	MACHINE LEARNING	20	F	0
21HP5A0510	R2032052	COMPILER DESIGN	17	F	0
21HP5A0510	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	28	D	3
21HP5A0510	R2032054	MACHINE LEARNING USING PYTHON LAB	13	B	1.5
21HP5A0510	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0510	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0510	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	A	2
21HP5A0510	R2032059	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A0510	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	26	F	0
21HP5A0511	R203204L	IOT AND APPLICATIONS	22	D	3
21HP5A0511	R2032051	MACHINE LEARNING	25	D	3
21HP5A0511	R2032052	COMPILER DESIGN	18	E	3
21HP5A0511	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	26	D	3
21HP5A0511	R2032054	MACHINE LEARNING USING PYTHON LAB	13	B	1.5
21HP5A0511	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0511	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0511	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
21HP5A0511	R2032059	EMPLOYABILITY SKILLS-II	25	COMPLE	0
21HP5A0511	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	C	3
21HP5A0512	R203204L	IOT AND APPLICATIONS	26	C	3
21HP5A0512	R2032051	MACHINE LEARNING	25	C	3
21HP5A0512	R2032052	COMPILER DESIGN	25	C	3
21HP5A0512	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	C	3
21HP5A0512	R2032054	MACHINE LEARNING USING PYTHON LAB	6	C	1.5
21HP5A0512	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0512	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0512	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	B	2
21HP5A0512	R2032059	EMPLOYABILITY SKILLS-II	22	COMPLE	0
21HP5A0512	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	27	B	3
21HP5A0513	R203204L	IOT AND APPLICATIONS	26	D	3
21HP5A0513	R2032051	MACHINE LEARNING	24	D	3
21HP5A0513	R2032052	COMPILER DESIGN	22	D	3
21HP5A0513	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	25	D	3
21HP5A0513	R2032054	MACHINE LEARNING USING PYTHON LAB	10	C	1.5
21HP5A0513	R2032055	COMPILER DESIGN LAB	14	A+	1.5
21HP5A0513	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	14	A	1.5
21HP5A0513	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	D	2
21HP5A0513	R2032059	EMPLOYABILITY SKILLS-II	20	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A0513	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	24	E	3
21HP5A0514	R203204L	IOT AND APPLICATIONS	4	F	0
21HP5A0514	R2032051	MACHINE LEARNING	0	F	0
21HP5A0514	R2032052	COMPILER DESIGN	5	F	0
21HP5A0514	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	2	F	0
21HP5A0514	R2032054	MACHINE LEARNING USING PYTHON LAB	0	E	1.5
21HP5A0514	R2032055	COMPILER DESIGN LAB	10	A	1.5
21HP5A0514	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	7	C	1.5
21HP5A0514	R2032058	SKILL ORIENTED COURSE-IV MEAN STACK TECH	0	C	2
21HP5A0514	R2032059	EMPLOYABILITY SKILLS-II	21	COMPLE	0
21HP5A0514	R203205C	OBJECT ORIENTED ANALYSIS AND DESIGN	4	F	0
21HP5A1202	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	18	E	3
21HP5A1202	R2032051	MACHINE LEARNING	25	E	3
21HP5A1202	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	20	E	3
21HP5A1202	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
21HP5A1202	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
21HP5A1202	R203205A	MOBILE COMPUTING	21	C	3
21HP5A1202	R2032121	BIG DATA ANALYTICS	20	E	3
21HP5A1202	R2032122	BIG DATA ANALYTICS LAB	13	B	1.5
21HP5A1202	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
21HP5A1202	R2032125	EMPLOYABILITY SKILLS-II	24	COMPLE	0
21HP5A1203	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	18	C	3
21HP5A1203	R2032051	MACHINE LEARNING	25	C	3
21HP5A1203	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	24	D	3
21HP5A1203	R2032054	MACHINE LEARNING USING PYTHON LAB	11	A	1.5
21HP5A1203	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
21HP5A1203	R203205A	MOBILE COMPUTING	24	D	3
21HP5A1203	R2032121	BIG DATA ANALYTICS	23	C	3
21HP5A1203	R2032122	BIG DATA ANALYTICS LAB	13	B	1.5
21HP5A1203	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
21HP5A1203	R2032125	EMPLOYABILITY SKILLS-II	22	COMPLE	0
21HP5A1204	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	16	D	3
21HP5A1204	R2032051	MACHINE LEARNING	20	E	3
21HP5A1204	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	19	D	3
21HP5A1204	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
21HP5A1204	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	C	1.5
21HP5A1204	R203205A	MOBILE COMPUTING	13	E	3
21HP5A1204	R2032121	BIG DATA ANALYTICS	17	E	3
21HP5A1204	R2032122	BIG DATA ANALYTICS LAB	11	B	1.5
21HP5A1204	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
21HP5A1204	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A1205	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	D	3
21HP5A1205	R2032051	MACHINE LEARNING	25	C	3
21HP5A1205	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	23	D	3
21HP5A1205	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
21HP5A1205	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	11	C	1.5
21HP5A1205	R203205A	MOBILE COMPUTING	20	C	3
21HP5A1205	R2032121	BIG DATA ANALYTICS	28	D	3
21HP5A1205	R2032122	BIG DATA ANALYTICS LAB	12	B	1.5
21HP5A1205	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
21HP5A1205	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0

Htno	Subcode	Subname	Internals	Grade	Credits
21HP5A1206	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	16	F	0
21HP5A1206	R2032051	MACHINE LEARNING	24	D	3
21HP5A1206	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	21	E	3
21HP5A1206	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
21HP5A1206	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	10	C	1.5
21HP5A1206	R203205A	MOBILE COMPUTING	14	D	3
21HP5A1206	R2032121	BIG DATA ANALYTICS	23	C	3
21HP5A1206	R2032122	BIG DATA ANALYTICS LAB	7	D	1.5
21HP5A1206	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	B	2
21HP5A1206	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A1207	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	22	B	3
21HP5A1207	R2032051	MACHINE LEARNING	24	D	3
21HP5A1207	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	22	D	3
21HP5A1207	R2032054	MACHINE LEARNING USING PYTHON LAB	10	A	1.5
21HP5A1207	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
21HP5A1207	R203205A	MOBILE COMPUTING	19	D	3
21HP5A1207	R2032121	BIG DATA ANALYTICS	26	C	3
21HP5A1207	R2032122	BIG DATA ANALYTICS LAB	14	A	1.5
21HP5A1207	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A+	2
21HP5A1207	R2032125	EMPLOYABILITY SKILLS-II	23	COMPLE	0
21HP5A1209	R203202G	FUNDAMENTALS OF UTILIZATION OF ELECTRICA	24	C	3
21HP5A1209	R2032051	MACHINE LEARNING	28	C	3
21HP5A1209	R2032053	CRYPTOGRAPHY AND NETWORK SECURITY	29	C	3
21HP5A1209	R2032054	MACHINE LEARNING USING PYTHON LAB	13	A+	1.5
21HP5A1209	R2032056	CRYPTOGRAPHY AND NETWORK SECURITY LAB	13	B	1.5
21HP5A1209	R203205A	MOBILE COMPUTING	24	C	3
21HP5A1209	R2032121	BIG DATA ANALYTICS	28	B	3
21HP5A1209	R2032122	BIG DATA ANALYTICS LAB	13	A	1.5
21HP5A1209	R2032123	SKILL ORIENTED COURSE-IV 1.DATA SCIENCE:	0	A	2
21HP5A1209	R2032125	EMPLOYABILITY SKILLS-II	25	COMPLE	0

****Note:1)[Last Date to apply for Recounting/Revaluation/Challenge Revaluation is : 19-09-2023]**

**** Note:****

* -1 in the filed of externals indicates student is absent for the respective subject.

* -2 in the filed of externals or (WH) in grade indicates student result Withheld for the respective subject.

* -3 in the filed of externals indicates student involved in Malpractice for the respective subject.

H. R. Kic

Date:11.09.2023

Controller of Examinations(UG)