



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Results for III B.Tech II Sem(R16) Regular/Supplementary Examinations April-2019(VV College)

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

Htno	Subcode	Subname	Grade	Credits
15VV1A0210	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	D	3
15VV1A0210	R1632022	POWER SYSTEM ANALYSIS	D	3
15VV1A0210	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
15VV1A0210	R1632024	DATA STRUCTURES	A	3
15VV1A0210	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	D	3
15VV1A0210	R1632026	POWER ELECTRONICS LABORATORY	F	0
15VV1A0210	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
15VV1A0210	R1632028	DATA STRUCTURES LABORATORY	S	2
15VV1A1201	R1632051	COMPUTER NETWORKS	F	0
15VV1A1201	R1632054	SOFTWARE TESTING METHODOLOGIES	F	0
15VV1A1201	R1632055A	ARTIFICIAL INTELLIGENCE	F	0
15VV1A1201	R1632121	DATA MINING	F	0
15VV1A1201	R1632122	WEB TECHNOLOGIES	F	0
15VV1A1201	R1632124	WEB TECHNOLOGIES LABORATORY	A	2
15VV1A1201	R1632125	SOFTWARE TESTING LABORATORY	A	2
15VV1A1201	R1632126	DATA MINING LABORATORY	A	2
15VV5A0568	R1632051	COMPUTER NETWORKS	A	3
15VV5A0568	R1632052	DATA WAREHOUSING AND MINING	A	3
15VV5A0568	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
15VV5A0568	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
15VV5A0568	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
15VV5A0568	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
15VV5A0568	R1632057	SOFTWARE TESTING LABORATORY	O	2
15VV5A0568	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0101	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0101	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0101	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
16VV1A0101	R1632014	WATER RESOURCE ENGINEERING - I	S	3
16VV1A0101	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0101	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0101	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0101	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0102	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	B	3
16VV1A0102	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0102	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0102	R1632014	WATER RESOURCE ENGINEERING - I	S	3
16VV1A0102	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0102	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0102	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0102	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0103	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	B	3
16VV1A0103	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0103	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
16VV1A0103	R1632014	WATER RESOURCE ENGINEERING - I	B	3
16VV1A0103	R1632015D	WASTE WATER MANAGEMENT	S	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0103	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0103	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0103	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0104	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	F	0
16VV1A0104	R1632012	GEOTECHNICAL ENGINEERING - I	B	3
16VV1A0104	R1632013	ENVIRONMENTAL ENGINEERING -I	B	3
16VV1A0104	R1632014	WATER RESOURCE ENGINEERING -I	B	3
16VV1A0104	R1632015D	WASTE WATER MANAGEMENT	B	3
16VV1A0104	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0104	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0104	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0105	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	B	3
16VV1A0105	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0105	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0105	R1632014	WATER RESOURCE ENGINEERING -I	S	3
16VV1A0105	R1632015D	WASTE WATER MANAGEMENT	A	3
16VV1A0105	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0105	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0105	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0106	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0106	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0106	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0106	R1632014	WATER RESOURCE ENGINEERING -I	S	3
16VV1A0106	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0106	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0106	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0106	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0107	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	B	3
16VV1A0107	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0107	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0107	R1632014	WATER RESOURCE ENGINEERING -I	S	3
16VV1A0107	R1632015D	WASTE WATER MANAGEMENT	A	3
16VV1A0107	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0107	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0107	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0108	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0108	R1632012	GEOTECHNICAL ENGINEERING - I	O	3
16VV1A0108	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
16VV1A0108	R1632014	WATER RESOURCE ENGINEERING -I	O	3
16VV1A0108	R1632015D	WASTE WATER MANAGEMENT	A	3
16VV1A0108	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0108	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0108	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0109	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0109	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0109	R1632013	ENVIRONMENTAL ENGINEERING -I	B	3
16VV1A0109	R1632014	WATER RESOURCE ENGINEERING -I	O	3
16VV1A0109	R1632015D	WASTE WATER MANAGEMENT	A	3
16VV1A0109	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0109	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0109	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2

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16VV1A0110	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	C	3
16VV1A0110	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0110	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
16VV1A0110	R1632014	WATER RESOURCE ENGINEERING -I	S	3
16VV1A0110	R1632015D	WASTE WATER MANAGEMENT	A	3
16VV1A0110	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0110	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0110	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0111	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	C	3
16VV1A0111	R1632012	GEOTECHNICAL ENGINEERING - I	O	3
16VV1A0111	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
16VV1A0111	R1632014	WATER RESOURCE ENGINEERING -I	O	3
16VV1A0111	R1632015D	WASTE WATER MANAGEMENT	O	3
16VV1A0111	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0111	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0111	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0112	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	C	3
16VV1A0112	R1632012	GEOTECHNICAL ENGINEERING - I	B	3
16VV1A0112	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0112	R1632014	WATER RESOURCE ENGINEERING -I	A	3
16VV1A0112	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0112	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0112	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0112	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0113	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0113	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0113	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
16VV1A0113	R1632014	WATER RESOURCE ENGINEERING -I	O	3
16VV1A0113	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0113	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0113	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0113	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0114	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0114	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0114	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0114	R1632014	WATER RESOURCE ENGINEERING -I	S	3
16VV1A0114	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0114	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0114	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0114	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0115	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	B	3
16VV1A0115	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0115	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0115	R1632014	WATER RESOURCE ENGINEERING -I	A	3
16VV1A0115	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0115	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0115	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0115	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0117	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	C	3
16VV1A0117	R1632012	GEOTECHNICAL ENGINEERING - I	B	3
16VV1A0117	R1632013	ENVIRONMENTAL ENGINEERING -I	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0117	R1632014	WATER RESOURCE ENGINEERING - I	A	3
16VV1A0117	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0117	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0117	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0117	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0118	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0118	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0118	R1632013	ENVIRONMENTAL ENGINEERING - I	S	3
16VV1A0118	R1632014	WATER RESOURCE ENGINEERING - I	O	3
16VV1A0118	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0118	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0118	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0118	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0119	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0119	R1632012	GEOTECHNICAL ENGINEERING - I	O	3
16VV1A0119	R1632013	ENVIRONMENTAL ENGINEERING - I	A	3
16VV1A0119	R1632014	WATER RESOURCE ENGINEERING - I	O	3
16VV1A0119	R1632015D	WASTE WATER MANAGEMENT	O	3
16VV1A0119	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0119	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0119	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0120	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	B	3
16VV1A0120	R1632012	GEOTECHNICAL ENGINEERING - I	B	3
16VV1A0120	R1632013	ENVIRONMENTAL ENGINEERING - I	C	3
16VV1A0120	R1632014	WATER RESOURCE ENGINEERING - I	A	3
16VV1A0120	R1632015D	WASTE WATER MANAGEMENT	B	3
16VV1A0120	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0120	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0120	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0121	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0121	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0121	R1632013	ENVIRONMENTAL ENGINEERING - I	B	3
16VV1A0121	R1632014	WATER RESOURCE ENGINEERING - I	S	3
16VV1A0121	R1632015D	WASTE WATER MANAGEMENT	A	3
16VV1A0121	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0121	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0121	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0122	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	C	3
16VV1A0122	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0122	R1632013	ENVIRONMENTAL ENGINEERING - I	B	3
16VV1A0122	R1632014	WATER RESOURCE ENGINEERING - I	C	3
16VV1A0122	R1632015D	WASTE WATER MANAGEMENT	C	3
16VV1A0122	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0122	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	A	2
16VV1A0122	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0123	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0123	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
16VV1A0123	R1632013	ENVIRONMENTAL ENGINEERING - I	A	3
16VV1A0123	R1632014	WATER RESOURCE ENGINEERING - I	S	3
16VV1A0123	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0123	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2

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16VV1A0123	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
16VV1A0123	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0124	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	B	3
16VV1A0124	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0124	R1632013	ENVIRONMENTAL ENGINEERING -I	B	3
16VV1A0124	R1632014	WATER RESOURCE ENGINEERING - I	S	3
16VV1A0124	R1632015D	WASTE WATER MANAGEMENT	A	3
16VV1A0124	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0124	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0124	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0125	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	C	3
16VV1A0125	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0125	R1632013	ENVIRONMENTAL ENGINEERING -I	B	3
16VV1A0125	R1632014	WATER RESOURCE ENGINEERING - I	A	3
16VV1A0125	R1632015D	WASTE WATER MANAGEMENT	C	3
16VV1A0125	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0125	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0125	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0126	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	S	3
16VV1A0126	R1632012	GEOTECHNICAL ENGINEERING - I	O	3
16VV1A0126	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
16VV1A0126	R1632014	WATER RESOURCE ENGINEERING - I	O	3
16VV1A0126	R1632015D	WASTE WATER MANAGEMENT	O	3
16VV1A0126	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0126	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0126	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0127	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	D	3
16VV1A0127	R1632012	GEOTECHNICAL ENGINEERING - I	A	3
16VV1A0127	R1632013	ENVIRONMENTAL ENGINEERING -I	B	3
16VV1A0127	R1632014	WATER RESOURCE ENGINEERING - I	C	3
16VV1A0127	R1632015D	WASTE WATER MANAGEMENT	C	3
16VV1A0127	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0127	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	A	2
16VV1A0127	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0128	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	S	3
16VV1A0128	R1632012	GEOTECHNICAL ENGINEERING - I	B	3
16VV1A0128	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0128	R1632014	WATER RESOURCE ENGINEERING - I	S	3
16VV1A0128	R1632015D	WASTE WATER MANAGEMENT	B	3
16VV1A0128	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0128	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0128	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0129	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
16VV1A0129	R1632012	GEOTECHNICAL ENGINEERING - I	O	3
16VV1A0129	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
16VV1A0129	R1632014	WATER RESOURCE ENGINEERING - I	S	3
16VV1A0129	R1632015D	WASTE WATER MANAGEMENT	S	3
16VV1A0129	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
16VV1A0129	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
16VV1A0129	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
16VV1A0201	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3

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16VV1A0201	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0201	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0201	R1632024	DATA STRUCTURES	B	3
16VV1A0201	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0201	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0201	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0201	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0202	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0202	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0202	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0202	R1632024	DATA STRUCTURES	S	3
16VV1A0202	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0202	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0202	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0202	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0203	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0203	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0203	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
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16VV1A0203	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0203	R1632026	POWER ELECTRONICS LABORATORY	B	2
16VV1A0203	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0203	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0204	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0204	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0204	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0204	R1632024	DATA STRUCTURES	B	3
16VV1A0204	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0204	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0204	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0204	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0205	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0205	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0205	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0205	R1632024	DATA STRUCTURES	C	3
16VV1A0205	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0205	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0205	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0205	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0206	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0206	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0206	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0206	R1632024	DATA STRUCTURES	S	3
16VV1A0206	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0206	R1632026	POWER ELECTRONICS LABORATORY	B	2
16VV1A0206	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0206	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0207	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0207	R1632022	POWER SYSTEM ANALYSIS	S	3
16VV1A0207	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0207	R1632024	DATA STRUCTURES	S	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0207	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0207	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0207	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0207	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0208	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0208	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0208	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0208	R1632024	DATA STRUCTURES	A	3
16VV1A0208	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0208	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0208	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0208	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0209	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0209	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0209	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0209	R1632024	DATA STRUCTURES	A	3
16VV1A0209	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0209	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0209	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0209	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0210	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0210	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0210	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0210	R1632024	DATA STRUCTURES	C	3
16VV1A0210	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0210	R1632026	POWER ELECTRONICS LABORATORY	B	2
16VV1A0210	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0210	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0211	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0211	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0211	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0211	R1632024	DATA STRUCTURES	A	3
16VV1A0211	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0211	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0211	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0211	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0212	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0212	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0212	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	S	3
16VV1A0212	R1632024	DATA STRUCTURES	B	3
16VV1A0212	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0212	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0212	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0212	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0213	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0213	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0213	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0213	R1632024	DATA STRUCTURES	C	3
16VV1A0213	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0213	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0213	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0213	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0214	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0214	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0214	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0214	R1632024	DATA STRUCTURES	S	3
16VV1A0214	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0214	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0214	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0214	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0215	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0215	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0215	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0215	R1632024	DATA STRUCTURES	B	3
16VV1A0215	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3
16VV1A0215	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0215	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0215	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0216	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0216	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0216	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0216	R1632024	DATA STRUCTURES	A	3
16VV1A0216	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0216	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0216	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0216	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0217	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	F	0
16VV1A0217	R1632022	POWER SYSTEM ANALYSIS	F	0
16VV1A0217	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	ABSENT	0
16VV1A0217	R1632024	DATA STRUCTURES	D	3
16VV1A0217	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	D	3
16VV1A0217	R1632026	POWER ELECTRONICS LABORATORY	F	0
16VV1A0217	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0217	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0218	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	D	3
16VV1A0218	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0218	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0218	R1632024	DATA STRUCTURES	C	3
16VV1A0218	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0218	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0218	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0218	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0219	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0219	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0219	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0219	R1632024	DATA STRUCTURES	B	3
16VV1A0219	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0219	R1632026	POWER ELECTRONICS LABORATORY	B	2
16VV1A0219	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0219	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0220	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0220	R1632022	POWER SYSTEM ANALYSIS	C	3



Htno	Subcode	Subname	Grade	Credits
16VV1A0220	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0220	R1632024	DATA STRUCTURES	S	3
16VV1A0220	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3
16VV1A0220	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0220	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0220	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0221	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	D	3
16VV1A0221	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0221	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0221	R1632024	DATA STRUCTURES	B	3
16VV1A0221	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0221	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0221	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0221	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0223	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0223	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0223	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0223	R1632024	DATA STRUCTURES	B	3
16VV1A0223	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0223	R1632026	POWER ELECTRONICS LABORATORY	B	2
16VV1A0223	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0223	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0224	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0224	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0224	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0224	R1632024	DATA STRUCTURES	A	3
16VV1A0224	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0224	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0224	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0224	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0225	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0225	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0225	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0225	R1632024	DATA STRUCTURES	A	3
16VV1A0225	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0225	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0225	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0225	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0226	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0226	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0226	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0226	R1632024	DATA STRUCTURES	A	3
16VV1A0226	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0226	R1632026	POWER ELECTRONICS LABORATORY	F	0
16VV1A0226	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0226	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0227	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0227	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0227	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0227	R1632024	DATA STRUCTURES	S	3
16VV1A0227	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0227	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0227	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0227	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0228	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0228	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0228	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0228	R1632024	DATA STRUCTURES	S	3
16VV1A0228	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0228	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0228	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0228	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0229	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0229	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0229	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	F	0
16VV1A0229	R1632024	DATA STRUCTURES	C	3
16VV1A0229	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	D	3
16VV1A0229	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0229	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0229	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0230	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0230	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0230	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0230	R1632024	DATA STRUCTURES	A	3
16VV1A0230	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0230	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0230	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0230	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0231	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0231	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0231	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	F	0
16VV1A0231	R1632024	DATA STRUCTURES	C	3
16VV1A0231	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0231	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0231	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0231	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0232	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0232	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0232	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0232	R1632024	DATA STRUCTURES	S	3
16VV1A0232	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0232	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0232	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0232	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0233	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0233	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0233	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0233	R1632024	DATA STRUCTURES	S	3
16VV1A0233	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0233	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0233	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0233	R1632028	DATA STRUCTURES LABORATORY	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0234	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0234	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0234	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0234	R1632024	DATA STRUCTURES	S	3
16VV1A0234	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0234	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0234	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0234	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0235	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0235	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0235	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0235	R1632024	DATA STRUCTURES	A	3
16VV1A0235	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0235	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0235	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0235	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0236	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0236	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0236	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0236	R1632024	DATA STRUCTURES	A	3
16VV1A0236	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0236	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0236	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0236	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0237	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0237	R1632022	POWER SYSTEM ANALYSIS	F	0
16VV1A0237	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	F	0
16VV1A0237	R1632024	DATA STRUCTURES	C	3
16VV1A0237	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	D	3
16VV1A0237	R1632026	POWER ELECTRONICS LABORATORY	F	0
16VV1A0237	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0237	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0238	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0238	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0238	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0238	R1632024	DATA STRUCTURES	C	3
16VV1A0238	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0238	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0238	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0238	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0239	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0239	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0239	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0239	R1632024	DATA STRUCTURES	S	3
16VV1A0239	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0239	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0239	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0239	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0240	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0240	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0240	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0240	R1632024	DATA STRUCTURES	A	3
16VV1A0240	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0240	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0240	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0240	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0241	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0241	R1632022	POWER SYSTEM ANALYSIS	S	3
16VV1A0241	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0241	R1632024	DATA STRUCTURES	S	3
16VV1A0241	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3
16VV1A0241	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0241	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0241	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0242	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0242	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0242	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0242	R1632024	DATA STRUCTURES	A	3
16VV1A0242	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0242	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0242	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0242	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0244	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0244	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0244	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0244	R1632024	DATA STRUCTURES	S	3
16VV1A0244	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0244	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0244	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0244	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0245	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0245	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0245	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0245	R1632024	DATA STRUCTURES	A	3
16VV1A0245	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0245	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0245	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0245	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0246	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0246	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0246	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0246	R1632024	DATA STRUCTURES	S	3
16VV1A0246	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0246	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0246	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0246	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0247	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
16VV1A0247	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0247	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
16VV1A0247	R1632024	DATA STRUCTURES	S	3
16VV1A0247	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
16VV1A0247	R1632026	POWER ELECTRONICS LABORATORY	B	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0247	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0247	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0248	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0248	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0248	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0248	R1632024	DATA STRUCTURES	A	3
16VV1A0248	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0248	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0248	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0248	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0249	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0249	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0249	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
16VV1A0249	R1632024	DATA STRUCTURES	S	3
16VV1A0249	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3
16VV1A0249	R1632026	POWER ELECTRONICS LABORATORY	O	2
16VV1A0249	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0249	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0250	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
16VV1A0250	R1632022	POWER SYSTEM ANALYSIS	A	3
16VV1A0250	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0250	R1632024	DATA STRUCTURES	A	3
16VV1A0250	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
16VV1A0250	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0250	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0250	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0251	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0251	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0251	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	F	0
16VV1A0251	R1632024	DATA STRUCTURES	B	3
16VV1A0251	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	D	3
16VV1A0251	R1632026	POWER ELECTRONICS LABORATORY	F	0
16VV1A0251	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0251	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0252	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	D	3
16VV1A0252	R1632022	POWER SYSTEM ANALYSIS	D	3
16VV1A0252	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0252	R1632024	DATA STRUCTURES	B	3
16VV1A0252	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	D	3
16VV1A0252	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0252	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0252	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0253	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
16VV1A0253	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0253	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0253	R1632024	DATA STRUCTURES	A	3
16VV1A0253	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0253	R1632026	POWER ELECTRONICS LABORATORY	S	2
16VV1A0253	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
16VV1A0253	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0254	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0254	R1632022	POWER SYSTEM ANALYSIS	B	3
16VV1A0254	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
16VV1A0254	R1632024	DATA STRUCTURES	S	3
16VV1A0254	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0254	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0254	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
16VV1A0254	R1632028	DATA STRUCTURES LABORATORY	O	2
16VV1A0255	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
16VV1A0255	R1632022	POWER SYSTEM ANALYSIS	C	3
16VV1A0255	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
16VV1A0255	R1632024	DATA STRUCTURES	A	3
16VV1A0255	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
16VV1A0255	R1632026	POWER ELECTRONICS LABORATORY	A	2
16VV1A0255	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
16VV1A0255	R1632028	DATA STRUCTURES LABORATORY	S	2
16VV1A0301	R1632031	METROLOGY	C	3
16VV1A0301	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0301	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0301	R1632034	HEAT TRANSFER	B	3
16VV1A0301	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0301	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0301	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0301	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0302	R1632031	METROLOGY	B	3
16VV1A0302	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0302	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0302	R1632034	HEAT TRANSFER	B	3
16VV1A0302	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0302	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0302	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0302	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0303	R1632031	METROLOGY	C	3
16VV1A0303	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0303	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0303	R1632034	HEAT TRANSFER	D	3
16VV1A0303	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0303	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0303	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0303	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	A	2
16VV1A0305	R1632031	METROLOGY	C	3
16VV1A0305	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	D	3
16VV1A0305	R1632033	REFRIGERATION & AIR-CONDITIONING	F	0
16VV1A0305	R1632034	HEAT TRANSFER	B	3
16VV1A0305	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0305	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0305	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0305	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0306	R1632031	METROLOGY	C	3
16VV1A0306	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0306	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0306	R1632034	HEAT TRANSFER	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0306	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0306	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0306	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0306	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0307	R1632031	METROLOGY	C	3
16VV1A0307	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0307	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0307	R1632034	HEAT TRANSFER	C	3
16VV1A0307	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0307	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0307	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0307	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	B	2
16VV1A0308	R1632031	METROLOGY	B	3
16VV1A0308	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0308	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0308	R1632034	HEAT TRANSFER	B	3
16VV1A0308	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0308	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0308	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0308	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0309	R1632031	METROLOGY	C	3
16VV1A0309	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0309	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0309	R1632034	HEAT TRANSFER	C	3
16VV1A0309	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0309	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0309	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0309	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0310	R1632031	METROLOGY	D	3
16VV1A0310	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0310	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0310	R1632034	HEAT TRANSFER	C	3
16VV1A0310	R1632035C	INDUSTRIAL ROBOTICS	D	3
16VV1A0310	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0310	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0310	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0311	R1632031	METROLOGY	A	3
16VV1A0311	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	S	3
16VV1A0311	R1632033	REFRIGERATION & AIR-CONDITIONING	A	3
16VV1A0311	R1632034	HEAT TRANSFER	A	3
16VV1A0311	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0311	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0311	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0311	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0312	R1632031	METROLOGY	A	3
16VV1A0312	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0312	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0312	R1632034	HEAT TRANSFER	B	3
16VV1A0312	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0312	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0312	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0312	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0313	R1632031	METROLOGY	B	3
16VV1A0313	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0313	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0313	R1632034	HEAT TRANSFER	B	3
16VV1A0313	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0313	R1632036	HEAT TRANSFER LABORATORY	B	2
16VV1A0313	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0313	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0314	R1632031	METROLOGY	C	3
16VV1A0314	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0314	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0314	R1632034	HEAT TRANSFER	C	3
16VV1A0314	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0314	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0314	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0314	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0315	R1632031	METROLOGY	B	3
16VV1A0315	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0315	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0315	R1632034	HEAT TRANSFER	B	3
16VV1A0315	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0315	R1632036	HEAT TRANSFER LABORATORY	C	2
16VV1A0315	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0315	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0316	R1632031	METROLOGY	A	3
16VV1A0316	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0316	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0316	R1632034	HEAT TRANSFER	A	3
16VV1A0316	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0316	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0316	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0316	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0317	R1632031	METROLOGY	B	3
16VV1A0317	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0317	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0317	R1632034	HEAT TRANSFER	B	3
16VV1A0317	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0317	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0317	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0317	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0318	R1632031	METROLOGY	C	3
16VV1A0318	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0318	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0318	R1632034	HEAT TRANSFER	D	3
16VV1A0318	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0318	R1632036	HEAT TRANSFER LABORATORY	C	2
16VV1A0318	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0318	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0319	R1632031	METROLOGY	B	3
16VV1A0319	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3



Htno	Subcode	Subname	Grade	Credits
16VV1A0319	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0319	R1632034	HEAT TRANSFER	C	3
16VV1A0319	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0319	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0319	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0319	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0320	R1632031	METROLOGY	C	3
16VV1A0320	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0320	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0320	R1632034	HEAT TRANSFER	C	3
16VV1A0320	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0320	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0320	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0320	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0321	R1632031	METROLOGY	A	3
16VV1A0321	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0321	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0321	R1632034	HEAT TRANSFER	A	3
16VV1A0321	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0321	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0321	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0321	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0322	R1632031	METROLOGY	D	3
16VV1A0322	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0322	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0322	R1632034	HEAT TRANSFER	C	3
16VV1A0322	R1632035C	INDUSTRIAL ROBOTICS	D	3
16VV1A0322	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0322	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0322	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0323	R1632031	METROLOGY	D	3
16VV1A0323	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0323	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0323	R1632034	HEAT TRANSFER	B	3
16VV1A0323	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0323	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0323	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0323	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0324	R1632031	METROLOGY	D	3
16VV1A0324	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0324	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0324	R1632034	HEAT TRANSFER	D	3
16VV1A0324	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0324	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0324	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0324	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0325	R1632031	METROLOGY	C	3
16VV1A0325	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0325	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0325	R1632034	HEAT TRANSFER	B	3
16VV1A0325	R1632035C	INDUSTRIAL ROBOTICS	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0325	R1632036	HEAT TRANSFER LABORATORY	C	2
16VV1A0325	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0325	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	A	2
16VV1A0326	R1632031	METROLOGY	S	3
16VV1A0326	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	S	3
16VV1A0326	R1632033	REFRIGERATION & AIR-CONDITIONING	S	3
16VV1A0326	R1632034	HEAT TRANSFER	S	3
16VV1A0326	R1632035C	INDUSTRIAL ROBOTICS	S	3
16VV1A0326	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0326	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0326	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0327	R1632031	METROLOGY	B	3
16VV1A0327	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0327	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0327	R1632034	HEAT TRANSFER	A	3
16VV1A0327	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0327	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0327	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0327	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0328	R1632031	METROLOGY	D	3
16VV1A0328	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0328	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0328	R1632034	HEAT TRANSFER	C	3
16VV1A0328	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0328	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0328	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0328	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0329	R1632031	METROLOGY	S	3
16VV1A0329	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	S	3
16VV1A0329	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0329	R1632034	HEAT TRANSFER	A	3
16VV1A0329	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0329	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0329	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0329	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0330	R1632031	METROLOGY	B	3
16VV1A0330	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0330	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0330	R1632034	HEAT TRANSFER	B	3
16VV1A0330	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0330	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0330	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	A	2
16VV1A0330	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	A	2
16VV1A0331	R1632031	METROLOGY	B	3
16VV1A0331	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0331	R1632033	REFRIGERATION & AIR-CONDITIONING	A	3
16VV1A0331	R1632034	HEAT TRANSFER	C	3
16VV1A0331	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0331	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0331	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0331	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0332	R1632031	METROLOGY	C	3
16VV1A0332	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0332	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0332	R1632034	HEAT TRANSFER	B	3
16VV1A0332	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0332	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0332	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0332	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0333	R1632031	METROLOGY	B	3
16VV1A0333	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0333	R1632033	REFRIGERATION & AIR-CONDITIONING	A	3
16VV1A0333	R1632034	HEAT TRANSFER	B	3
16VV1A0333	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0333	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0333	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0333	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0334	R1632031	METROLOGY	B	3
16VV1A0334	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0334	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0334	R1632034	HEAT TRANSFER	B	3
16VV1A0334	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0334	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0334	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0334	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0335	R1632031	METROLOGY	B	3
16VV1A0335	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0335	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0335	R1632034	HEAT TRANSFER	C	3
16VV1A0335	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0335	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0335	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0335	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	B	2
16VV1A0336	R1632031	METROLOGY	D	3
16VV1A0336	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0336	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0336	R1632034	HEAT TRANSFER	F	0
16VV1A0336	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0336	R1632036	HEAT TRANSFER LABORATORY	B	2
16VV1A0336	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0336	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	B	2
16VV1A0337	R1632031	METROLOGY	B	3
16VV1A0337	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0337	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0337	R1632034	HEAT TRANSFER	B	3
16VV1A0337	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0337	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0337	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0337	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0338	R1632031	METROLOGY	C	3
16VV1A0338	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0338	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0338	R1632034	HEAT TRANSFER	A	3
16VV1A0338	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0338	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0338	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0338	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0339	R1632031	METROLOGY	A	3
16VV1A0339	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0339	R1632033	REFRIGERATION & AIR-CONDITIONING	A	3
16VV1A0339	R1632034	HEAT TRANSFER	A	3
16VV1A0339	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0339	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0339	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0339	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0340	R1632031	METROLOGY	B	3
16VV1A0340	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0340	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0340	R1632034	HEAT TRANSFER	C	3
16VV1A0340	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0340	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0340	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0340	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0342	R1632031	METROLOGY	C	3
16VV1A0342	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0342	R1632033	REFRIGERATION & AIR-CONDITIONING	F	0
16VV1A0342	R1632034	HEAT TRANSFER	B	3
16VV1A0342	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0342	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0342	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0342	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0343	R1632031	METROLOGY	C	3
16VV1A0343	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0343	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0343	R1632034	HEAT TRANSFER	B	3
16VV1A0343	R1632035C	INDUSTRIAL ROBOTICS	D	3
16VV1A0343	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0343	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0343	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0344	R1632031	METROLOGY	B	3
16VV1A0344	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0344	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0344	R1632034	HEAT TRANSFER	A	3
16VV1A0344	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0344	R1632036	HEAT TRANSFER LABORATORY	B	2
16VV1A0344	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0344	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	B	2
16VV1A0345	R1632031	METROLOGY	B	3
16VV1A0345	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0345	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0345	R1632034	HEAT TRANSFER	A	3
16VV1A0345	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0345	R1632036	HEAT TRANSFER LABORATORY	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0345	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0345	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	A	2
16VV1A0346	R1632031	METROLOGY	C	3
16VV1A0346	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0346	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0346	R1632034	HEAT TRANSFER	B	3
16VV1A0346	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0346	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0346	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0346	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	C	2
16VV1A0347	R1632031	METROLOGY	B	3
16VV1A0347	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0347	R1632033	REFRIGERATION & AIR-CONDITIONING	A	3
16VV1A0347	R1632034	HEAT TRANSFER	B	3
16VV1A0347	R1632035C	INDUSTRIAL ROBOTICS	S	3
16VV1A0347	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0347	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0347	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0348	R1632031	METROLOGY	C	3
16VV1A0348	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0348	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0348	R1632034	HEAT TRANSFER	A	3
16VV1A0348	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0348	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0348	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0348	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0349	R1632031	METROLOGY	D	3
16VV1A0349	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0349	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0349	R1632034	HEAT TRANSFER	D	3
16VV1A0349	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0349	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0349	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0349	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0350	R1632031	METROLOGY	C	3
16VV1A0350	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0350	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0350	R1632034	HEAT TRANSFER	C	3
16VV1A0350	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0350	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0350	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0350	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	S	2
16VV1A0351	R1632031	METROLOGY	D	3
16VV1A0351	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	D	3
16VV1A0351	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0351	R1632034	HEAT TRANSFER	D	3
16VV1A0351	R1632035C	INDUSTRIAL ROBOTICS	D	3
16VV1A0351	R1632036	HEAT TRANSFER LABORATORY	B	2
16VV1A0351	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0351	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	C	2
16VV1A0352	R1632031	METROLOGY	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0352	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0352	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0352	R1632034	HEAT TRANSFER	D	3
16VV1A0352	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0352	R1632036	HEAT TRANSFER LABORATORY	S	2
16VV1A0352	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0352	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	B	2
16VV1A0353	R1632031	METROLOGY	F	0
16VV1A0353	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	D	3
16VV1A0353	R1632033	REFRIGERATION & AIR-CONDITIONING	F	0
16VV1A0353	R1632034	HEAT TRANSFER	F	0
16VV1A0353	R1632035C	INDUSTRIAL ROBOTICS	B	3
16VV1A0353	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0353	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	S	2
16VV1A0353	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	A	2
16VV1A0354	R1632031	METROLOGY	B	3
16VV1A0354	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
16VV1A0354	R1632033	REFRIGERATION & AIR-CONDITIONING	A	3
16VV1A0354	R1632034	HEAT TRANSFER	A	3
16VV1A0354	R1632035C	INDUSTRIAL ROBOTICS	A	3
16VV1A0354	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0354	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0354	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0355	R1632031	METROLOGY	C	3
16VV1A0355	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	C	3
16VV1A0355	R1632033	REFRIGERATION & AIR-CONDITIONING	D	3
16VV1A0355	R1632034	HEAT TRANSFER	D	3
16VV1A0355	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0355	R1632036	HEAT TRANSFER LABORATORY	A	2
16VV1A0355	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0355	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	A	2
16VV1A0356	R1632031	METROLOGY	F	0
16VV1A0356	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	F	0
16VV1A0356	R1632033	REFRIGERATION & AIR-CONDITIONING	F	0
16VV1A0356	R1632034	HEAT TRANSFER	F	0
16VV1A0356	R1632035C	INDUSTRIAL ROBOTICS	F	0
16VV1A0356	R1632036	HEAT TRANSFER LABORATORY	B	2
16VV1A0356	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	ABSENT	0
16VV1A0356	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0357	R1632031	METROLOGY	B	3
16VV1A0357	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0357	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
16VV1A0357	R1632034	HEAT TRANSFER	B	3
16VV1A0357	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0357	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0357	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0357	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0358	R1632031	METROLOGY	B	3
16VV1A0358	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
16VV1A0358	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
16VV1A0358	R1632034	HEAT TRANSFER	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0358	R1632035C	INDUSTRIAL ROBOTICS	C	3
16VV1A0358	R1632036	HEAT TRANSFER LABORATORY	O	2
16VV1A0358	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
16VV1A0358	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
16VV1A0401	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0401	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0401	R1632043	VLSI DESIGN	B	3
16VV1A0401	R1632044	DIGITAL SIGNAL PROCESSING	A	3
16VV1A0401	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0401	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0401	R1632047	VLSI LABORATORY	O	2
16VV1A0401	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
16VV1A0402	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	F	0
16VV1A0402	R1632042	MICRO WAVE ENGINEERING	F	0
16VV1A0402	R1632043	VLSI DESIGN	D	3
16VV1A0402	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0402	R1632045D	BIO-MEDICAL ENGINEERING	F	0
16VV1A0402	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0402	R1632047	VLSI LABORATORY	S	2
16VV1A0402	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0403	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	F	0
16VV1A0403	R1632042	MICRO WAVE ENGINEERING	F	0
16VV1A0403	R1632043	VLSI DESIGN	D	3
16VV1A0403	R1632044	DIGITAL SIGNAL PROCESSING	F	0
16VV1A0403	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0403	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	F	0
16VV1A0403	R1632047	VLSI LABORATORY	A	2
16VV1A0403	R1632048	DIGITAL COMMUNICATIONS LABORATORY	A	2
16VV1A0404	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0404	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0404	R1632043	VLSI DESIGN	B	3
16VV1A0404	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0404	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0404	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0404	R1632047	VLSI LABORATORY	O	2
16VV1A0404	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
16VV1A0405	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0405	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0405	R1632043	VLSI DESIGN	B	3
16VV1A0405	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0405	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0405	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0405	R1632047	VLSI LABORATORY	O	2
16VV1A0405	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0406	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0406	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0406	R1632043	VLSI DESIGN	C	3
16VV1A0406	R1632044	DIGITAL SIGNAL PROCESSING	F	0
16VV1A0406	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0406	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0406	R1632047	VLSI LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0406	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0407	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0407	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0407	R1632043	VLSI DESIGN	B	3
16VV1A0407	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0407	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0407	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0407	R1632047	VLSI LABORATORY	O	2
16VV1A0407	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0408	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0408	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0408	R1632043	VLSI DESIGN	B	3
16VV1A0408	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0408	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0408	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0408	R1632047	VLSI LABORATORY	O	2
16VV1A0408	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
16VV1A0409	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	F	0
16VV1A0409	R1632042	MICRO WAVE ENGINEERING	F	0
16VV1A0409	R1632043	VLSI DESIGN	C	3
16VV1A0409	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0409	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0409	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0409	R1632047	VLSI LABORATORY	S	2
16VV1A0409	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0410	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0410	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0410	R1632043	VLSI DESIGN	B	3
16VV1A0410	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0410	R1632045D	BIO-MEDICAL ENGINEERING	O	3
16VV1A0410	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0410	R1632047	VLSI LABORATORY	O	2
16VV1A0410	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
16VV1A0413	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0413	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0413	R1632043	VLSI DESIGN	A	3
16VV1A0413	R1632044	DIGITAL SIGNAL PROCESSING	A	3
16VV1A0413	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0413	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0413	R1632047	VLSI LABORATORY	O	2
16VV1A0413	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
16VV1A0414	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0414	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0414	R1632043	VLSI DESIGN	B	3
16VV1A0414	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0414	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0414	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0414	R1632047	VLSI LABORATORY	O	2
16VV1A0414	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0415	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0415	R1632042	MICRO WAVE ENGINEERING	D	3



Htno	Subcode	Subname	Grade	Credits
16VV1A0415	R1632043	VLSI DESIGN	C	3
16VV1A0415	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0415	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0415	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0415	R1632047	VLSI LABORATORY	S	2
16VV1A0415	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0416	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0416	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0416	R1632043	VLSI DESIGN	B	3
16VV1A0416	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0416	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0416	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0416	R1632047	VLSI LABORATORY	O	2
16VV1A0416	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0417	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0417	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0417	R1632043	VLSI DESIGN	B	3
16VV1A0417	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0417	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0417	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0417	R1632047	VLSI LABORATORY	O	2
16VV1A0417	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0418	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0418	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0418	R1632043	VLSI DESIGN	A	3
16VV1A0418	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0418	R1632045D	BIO-MEDICAL ENGINEERING	O	3
16VV1A0418	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0418	R1632047	VLSI LABORATORY	O	2
16VV1A0418	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0419	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0419	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0419	R1632043	VLSI DESIGN	C	3
16VV1A0419	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0419	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0419	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0419	R1632047	VLSI LABORATORY	O	2
16VV1A0419	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0420	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0420	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0420	R1632043	VLSI DESIGN	C	3
16VV1A0420	R1632044	DIGITAL SIGNAL PROCESSING	F	0
16VV1A0420	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0420	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0420	R1632047	VLSI LABORATORY	O	2
16VV1A0420	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0421	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0421	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0421	R1632043	VLSI DESIGN	B	3
16VV1A0421	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0421	R1632045D	BIO-MEDICAL ENGINEERING	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0421	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0421	R1632047	VLSI LABORATORY	O	2
16VV1A0421	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0422	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0422	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0422	R1632043	VLSI DESIGN	B	3
16VV1A0422	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0422	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0422	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0422	R1632047	VLSI LABORATORY	O	2
16VV1A0422	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0423	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0423	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0423	R1632043	VLSI DESIGN	A	3
16VV1A0423	R1632044	DIGITAL SIGNAL PROCESSING	A	3
16VV1A0423	R1632045D	BIO-MEDICAL ENGINEERING	O	3
16VV1A0423	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0423	R1632047	VLSI LABORATORY	O	2
16VV1A0423	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0424	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0424	R1632042	MICRO WAVE ENGINEERING	F	0
16VV1A0424	R1632043	VLSI DESIGN	C	3
16VV1A0424	R1632044	DIGITAL SIGNAL PROCESSING	F	0
16VV1A0424	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0424	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0424	R1632047	VLSI LABORATORY	S	2
16VV1A0424	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0425	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0425	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0425	R1632043	VLSI DESIGN	A	3
16VV1A0425	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0425	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0425	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0425	R1632047	VLSI LABORATORY	O	2
16VV1A0425	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0427	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0427	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0427	R1632043	VLSI DESIGN	B	3
16VV1A0427	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0427	R1632045D	BIO-MEDICAL ENGINEERING	O	3
16VV1A0427	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0427	R1632047	VLSI LABORATORY	O	2
16VV1A0427	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
16VV1A0428	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0428	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0428	R1632043	VLSI DESIGN	C	3
16VV1A0428	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0428	R1632045D	BIO-MEDICAL ENGINEERING	D	3
16VV1A0428	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0428	R1632047	VLSI LABORATORY	S	2
16VV1A0428	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0429	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0429	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0429	R1632043	VLSI DESIGN	B	3
16VV1A0429	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0429	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0429	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0429	R1632047	VLSI LABORATORY	S	2
16VV1A0429	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0430	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0430	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0430	R1632043	VLSI DESIGN	C	3
16VV1A0430	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0430	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0430	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0430	R1632047	VLSI LABORATORY	S	2
16VV1A0430	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0431	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0431	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0431	R1632043	VLSI DESIGN	B	3
16VV1A0431	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0431	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0431	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0431	R1632047	VLSI LABORATORY	O	2
16VV1A0431	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0432	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0432	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0432	R1632043	VLSI DESIGN	A	3
16VV1A0432	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0432	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0432	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0432	R1632047	VLSI LABORATORY	S	2
16VV1A0432	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0433	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0433	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0433	R1632043	VLSI DESIGN	C	3
16VV1A0433	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0433	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0433	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0433	R1632047	VLSI LABORATORY	S	2
16VV1A0433	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0434	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0434	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0434	R1632043	VLSI DESIGN	C	3
16VV1A0434	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0434	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0434	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	A	2
16VV1A0434	R1632047	VLSI LABORATORY	S	2
16VV1A0434	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0435	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0435	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0435	R1632043	VLSI DESIGN	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0435	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0435	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0435	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0435	R1632047	VLSI LABORATORY	O	2
16VV1A0435	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0436	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0436	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0436	R1632043	VLSI DESIGN	C	3
16VV1A0436	R1632044	DIGITAL SIGNAL PROCESSING	F	0
16VV1A0436	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0436	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0436	R1632047	VLSI LABORATORY	O	2
16VV1A0436	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0437	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0437	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0437	R1632043	VLSI DESIGN	C	3
16VV1A0437	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0437	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0437	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	B	2
16VV1A0437	R1632047	VLSI LABORATORY	A	2
16VV1A0437	R1632048	DIGITAL COMMUNICATIONS LABORATORY	A	2
16VV1A0438	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	F	0
16VV1A0438	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0438	R1632043	VLSI DESIGN	D	3
16VV1A0438	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0438	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0438	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	A	2
16VV1A0438	R1632047	VLSI LABORATORY	S	2
16VV1A0438	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0439	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0439	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0439	R1632043	VLSI DESIGN	A	3
16VV1A0439	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0439	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0439	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0439	R1632047	VLSI LABORATORY	O	2
16VV1A0439	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
16VV1A0440	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0440	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0440	R1632043	VLSI DESIGN	A	3
16VV1A0440	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0440	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0440	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0440	R1632047	VLSI LABORATORY	S	2
16VV1A0440	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0441	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0441	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0441	R1632043	VLSI DESIGN	B	3
16VV1A0441	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0441	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0441	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0441	R1632047	VLSI LABORATORY	S	2
16VV1A0441	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0442	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0442	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0442	R1632043	VLSI DESIGN	A	3
16VV1A0442	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0442	R1632045D	BIO-MEDICAL ENGINEERING	O	3
16VV1A0442	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0442	R1632047	VLSI LABORATORY	O	2
16VV1A0442	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0443	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0443	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0443	R1632043	VLSI DESIGN	B	3
16VV1A0443	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0443	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0443	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0443	R1632047	VLSI LABORATORY	O	2
16VV1A0443	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0444	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0444	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0444	R1632043	VLSI DESIGN	D	3
16VV1A0444	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0444	R1632045D	BIO-MEDICAL ENGINEERING	C	3
16VV1A0444	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0444	R1632047	VLSI LABORATORY	S	2
16VV1A0444	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0445	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	B	3
16VV1A0445	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0445	R1632043	VLSI DESIGN	A	3
16VV1A0445	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0445	R1632045D	BIO-MEDICAL ENGINEERING	O	3
16VV1A0445	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0445	R1632047	VLSI LABORATORY	O	2
16VV1A0445	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0446	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0446	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0446	R1632043	VLSI DESIGN	A	3
16VV1A0446	R1632044	DIGITAL SIGNAL PROCESSING	B	3
16VV1A0446	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0446	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0446	R1632047	VLSI LABORATORY	O	2
16VV1A0446	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0447	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0447	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0447	R1632043	VLSI DESIGN	C	3
16VV1A0447	R1632044	DIGITAL SIGNAL PROCESSING	F	0
16VV1A0447	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0447	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	A	2
16VV1A0447	R1632047	VLSI LABORATORY	S	2
16VV1A0447	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0448	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0448	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0448	R1632043	VLSI DESIGN	A	3
16VV1A0448	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0448	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0448	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
16VV1A0448	R1632047	VLSI LABORATORY	S	2
16VV1A0448	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0449	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0449	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0449	R1632043	VLSI DESIGN	B	3
16VV1A0449	R1632044	DIGITAL SIGNAL PROCESSING	A	3
16VV1A0449	R1632045D	BIO-MEDICAL ENGINEERING	O	3
16VV1A0449	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0449	R1632047	VLSI LABORATORY	O	2
16VV1A0449	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0451	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0451	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0451	R1632043	VLSI DESIGN	B	3
16VV1A0451	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0451	R1632045D	BIO-MEDICAL ENGINEERING	S	3
16VV1A0451	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0451	R1632047	VLSI LABORATORY	O	2
16VV1A0451	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0452	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	F	0
16VV1A0452	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0452	R1632043	VLSI DESIGN	B	3
16VV1A0452	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0452	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0452	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0452	R1632047	VLSI LABORATORY	S	2
16VV1A0452	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0453	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	F	0
16VV1A0453	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0453	R1632043	VLSI DESIGN	B	3
16VV1A0453	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0453	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0453	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	A	2
16VV1A0453	R1632047	VLSI LABORATORY	A	2
16VV1A0453	R1632048	DIGITAL COMMUNICATIONS LABORATORY	A	2
16VV1A0454	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0454	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0454	R1632043	VLSI DESIGN	B	3
16VV1A0454	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0454	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0454	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0454	R1632047	VLSI LABORATORY	S	2
16VV1A0454	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0455	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0455	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0455	R1632043	VLSI DESIGN	C	3
16VV1A0455	R1632044	DIGITAL SIGNAL PROCESSING	F	0

Htno	Subcode	Subname	Grade	Credits
16VV1A0455	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0455	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	A	2
16VV1A0455	R1632047	VLSI LABORATORY	S	2
16VV1A0455	R1632048	DIGITAL COMMUNICATIONS LABORATORY	A	2
16VV1A0456	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0456	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0456	R1632043	VLSI DESIGN	C	3
16VV1A0456	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0456	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0456	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	A	2
16VV1A0456	R1632047	VLSI LABORATORY	S	2
16VV1A0456	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0457	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0457	R1632042	MICRO WAVE ENGINEERING	B	3
16VV1A0457	R1632043	VLSI DESIGN	C	3
16VV1A0457	R1632044	DIGITAL SIGNAL PROCESSING	D	3
16VV1A0457	R1632045D	BIO-MEDICAL ENGINEERING	B	3
16VV1A0457	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	B	2
16VV1A0457	R1632047	VLSI LABORATORY	S	2
16VV1A0457	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0458	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
16VV1A0458	R1632042	MICRO WAVE ENGINEERING	D	3
16VV1A0458	R1632043	VLSI DESIGN	B	3
16VV1A0458	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0458	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0458	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0458	R1632047	VLSI LABORATORY	S	2
16VV1A0458	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0459	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
16VV1A0459	R1632042	MICRO WAVE ENGINEERING	C	3
16VV1A0459	R1632043	VLSI DESIGN	B	3
16VV1A0459	R1632044	DIGITAL SIGNAL PROCESSING	C	3
16VV1A0459	R1632045D	BIO-MEDICAL ENGINEERING	A	3
16VV1A0459	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
16VV1A0459	R1632047	VLSI LABORATORY	S	2
16VV1A0459	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
16VV1A0501	R1632051	COMPUTER NETWORKS	S	3
16VV1A0501	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0501	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	S	3
16VV1A0501	R1632054	SOFTWARE TESTING METHODOLOGIES	S	3
16VV1A0501	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0501	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0501	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0501	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0503	R1632051	COMPUTER NETWORKS	O	3
16VV1A0503	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0503	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0503	R1632054	SOFTWARE TESTING METHODOLOGIES	S	3
16VV1A0503	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A0503	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0503	R1632057	SOFTWARE TESTING LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0503	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0504	R1632051	COMPUTER NETWORKS	A	3
16VV1A0504	R1632052	DATA WAREHOUSING AND MINING	B	3
16VV1A0504	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0504	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0504	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0504	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0504	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0504	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0505	R1632051	COMPUTER NETWORKS	S	3
16VV1A0505	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0505	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0505	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0505	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0505	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0505	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0505	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0506	R1632051	COMPUTER NETWORKS	B	3
16VV1A0506	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0506	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0506	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0506	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0506	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0506	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0506	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0507	R1632051	COMPUTER NETWORKS	S	3
16VV1A0507	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0507	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0507	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0507	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A0507	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0507	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0507	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0508	R1632051	COMPUTER NETWORKS	O	3
16VV1A0508	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0508	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0508	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0508	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0508	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0508	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0508	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0509	R1632051	COMPUTER NETWORKS	A	3
16VV1A0509	R1632052	DATA WAREHOUSING AND MINING	B	3
16VV1A0509	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0509	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0509	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0509	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0509	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0509	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0510	R1632051	COMPUTER NETWORKS	A	3
16VV1A0510	R1632052	DATA WAREHOUSING AND MINING	A	3



Htno	Subcode	Subname	Grade	Credits
16VV1A0510	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0510	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0510	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A0510	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0510	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0510	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0511	R1632051	COMPUTER NETWORKS	A	3
16VV1A0511	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0511	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0511	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0511	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0511	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0511	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0511	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2
16VV1A0512	R1632051	COMPUTER NETWORKS	A	3
16VV1A0512	R1632052	DATA WAREHOUSING AND MINING	B	3
16VV1A0512	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0512	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0512	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0512	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0512	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0512	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0513	R1632051	COMPUTER NETWORKS	O	3
16VV1A0513	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0513	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0513	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0513	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0513	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0513	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0513	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0514	R1632051	COMPUTER NETWORKS	A	3
16VV1A0514	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0514	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0514	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0514	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0514	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0514	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0514	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0515	R1632051	COMPUTER NETWORKS	S	3
16VV1A0515	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0515	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0515	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0515	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0515	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0515	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0515	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2
16VV1A0516	R1632051	COMPUTER NETWORKS	S	3
16VV1A0516	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0516	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0516	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0516	R1632055A	ARTIFICIAL INTELLIGENCE	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0516	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0516	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0516	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2
16VV1A0518	R1632051	COMPUTER NETWORKS	A	3
16VV1A0518	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0518	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0518	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0518	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0518	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0518	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0518	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0519	R1632051	COMPUTER NETWORKS	S	3
16VV1A0519	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0519	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	S	3
16VV1A0519	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0519	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0519	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0519	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0519	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0520	R1632051	COMPUTER NETWORKS	O	3
16VV1A0520	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0520	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0520	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0520	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A0520	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0520	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0520	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0522	R1632051	COMPUTER NETWORKS	B	3
16VV1A0522	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0522	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0522	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0522	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0522	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0522	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0522	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0523	R1632051	COMPUTER NETWORKS	S	3
16VV1A0523	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0523	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0523	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0523	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A0523	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0523	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0523	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0525	R1632051	COMPUTER NETWORKS	B	3
16VV1A0525	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0525	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0525	R1632054	SOFTWARE TESTING METHODOLOGIES	D	3
16VV1A0525	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0525	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0525	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0525	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0526	R1632051	COMPUTER NETWORKS	S	3
16VV1A0526	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0526	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0526	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0526	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0526	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0526	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0526	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2
16VV1A0527	R1632051	COMPUTER NETWORKS	S	3
16VV1A0527	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0527	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0527	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0527	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0527	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0527	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0527	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0528	R1632051	COMPUTER NETWORKS	A	3
16VV1A0528	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0528	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0528	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0528	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0528	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0528	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0528	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0529	R1632051	COMPUTER NETWORKS	S	3
16VV1A0529	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0529	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0529	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0529	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0529	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0529	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0529	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0530	R1632051	COMPUTER NETWORKS	S	3
16VV1A0530	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0530	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0530	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0530	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0530	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0530	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0530	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0531	R1632051	COMPUTER NETWORKS	S	3
16VV1A0531	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0531	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0531	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0531	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0531	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0531	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0531	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0532	R1632051	COMPUTER NETWORKS	A	3
16VV1A0532	R1632052	DATA WAREHOUSING AND MINING	B	3
16VV1A0532	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0532	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0532	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0532	R1632056	NETWORK PROGRAMMING LABORATORY	S	2
16VV1A0532	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0532	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0533	R1632051	COMPUTER NETWORKS	O	3
16VV1A0533	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0533	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0533	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0533	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0533	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0533	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0533	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0534	R1632051	COMPUTER NETWORKS	S	3
16VV1A0534	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0534	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0534	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0534	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0534	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0534	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0534	R1632058	DATA WAREHOUSING AND MINING LABORATORY	D	2
16VV1A0535	R1632051	COMPUTER NETWORKS	S	3
16VV1A0535	R1632052	DATA WAREHOUSING AND MINING	O	3
16VV1A0535	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0535	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0535	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0535	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0535	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0535	R1632058	DATA WAREHOUSING AND MINING LABORATORY	D	2
16VV1A0536	R1632051	COMPUTER NETWORKS	S	3
16VV1A0536	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0536	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0536	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0536	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0536	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0536	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0536	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0537	R1632051	COMPUTER NETWORKS	S	3
16VV1A0537	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0537	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0537	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0537	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0537	R1632056	NETWORK PROGRAMMING LABORATORY	S	2
16VV1A0537	R1632057	SOFTWARE TESTING LABORATORY	A	2
16VV1A0537	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2
16VV1A0538	R1632051	COMPUTER NETWORKS	B	3
16VV1A0538	R1632052	DATA WAREHOUSING AND MINING	B	3
16VV1A0538	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0538	R1632054	SOFTWARE TESTING METHODOLOGIES	D	3
16VV1A0538	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0538	R1632056	NETWORK PROGRAMMING LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0538	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0538	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0539	R1632051	COMPUTER NETWORKS	B	3
16VV1A0539	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0539	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0539	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0539	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0539	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0539	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0539	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0540	R1632051	COMPUTER NETWORKS	O	3
16VV1A0540	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0540	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0540	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0540	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0540	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0540	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0540	R1632058	DATA WAREHOUSING AND MINING LABORATORY	D	2
16VV1A0542	R1632051	COMPUTER NETWORKS	O	3
16VV1A0542	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0542	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	S	3
16VV1A0542	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0542	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0542	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0542	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0542	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0543	R1632051	COMPUTER NETWORKS	A	3
16VV1A0543	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0543	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0543	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0543	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0543	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0543	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0543	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0544	R1632051	COMPUTER NETWORKS	B	3
16VV1A0544	R1632052	DATA WAREHOUSING AND MINING	B	3
16VV1A0544	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	D	3
16VV1A0544	R1632054	SOFTWARE TESTING METHODOLOGIES	D	3
16VV1A0544	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0544	R1632056	NETWORK PROGRAMMING LABORATORY	S	2
16VV1A0544	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0544	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0545	R1632051	COMPUTER NETWORKS	A	3
16VV1A0545	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0545	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0545	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0545	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0545	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0545	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0545	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0546	R1632051	COMPUTER NETWORKS	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0546	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0546	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0546	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0546	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0546	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0546	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0546	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0547	R1632051	COMPUTER NETWORKS	S	3
16VV1A0547	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0547	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	S	3
16VV1A0547	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0547	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A0547	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0547	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0547	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0548	R1632051	COMPUTER NETWORKS	B	3
16VV1A0548	R1632052	DATA WAREHOUSING AND MINING	C	3
16VV1A0548	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0548	R1632054	SOFTWARE TESTING METHODOLOGIES	D	3
16VV1A0548	R1632055A	ARTIFICIAL INTELLIGENCE	D	3
16VV1A0548	R1632056	NETWORK PROGRAMMING LABORATORY	S	2
16VV1A0548	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0548	R1632058	DATA WAREHOUSING AND MINING LABORATORY	D	2
16VV1A0549	R1632051	COMPUTER NETWORKS	S	3
16VV1A0549	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0549	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0549	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0549	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0549	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0549	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0549	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0550	R1632051	COMPUTER NETWORKS	S	3
16VV1A0550	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0550	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0550	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0550	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0550	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0550	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0550	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0551	R1632051	COMPUTER NETWORKS	B	3
16VV1A0551	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0551	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
16VV1A0551	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0551	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0551	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0551	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0551	R1632058	DATA WAREHOUSING AND MINING LABORATORY	S	2
16VV1A0552	R1632051	COMPUTER NETWORKS	A	3
16VV1A0552	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0552	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0552	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A0552	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0552	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0552	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0552	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0553	R1632051	COMPUTER NETWORKS	S	3
16VV1A0553	R1632052	DATA WAREHOUSING AND MINING	O	3
16VV1A0553	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0553	R1632054	SOFTWARE TESTING METHODOLOGIES	S	3
16VV1A0553	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0553	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0553	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0553	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
16VV1A0554	R1632051	COMPUTER NETWORKS	B	3
16VV1A0554	R1632052	DATA WAREHOUSING AND MINING	D	3
16VV1A0554	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
16VV1A0554	R1632054	SOFTWARE TESTING METHODOLOGIES	F	0
16VV1A0554	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0554	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0554	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0554	R1632058	DATA WAREHOUSING AND MINING LABORATORY	O	2
16VV1A0555	R1632051	COMPUTER NETWORKS	S	3
16VV1A0555	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0555	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0555	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A0555	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0555	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0555	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0555	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0556	R1632051	COMPUTER NETWORKS	B	3
16VV1A0556	R1632052	DATA WAREHOUSING AND MINING	C	3
16VV1A0556	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	D	3
16VV1A0556	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A0556	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A0556	R1632056	NETWORK PROGRAMMING LABORATORY	S	2
16VV1A0556	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0556	R1632058	DATA WAREHOUSING AND MINING LABORATORY	D	2
16VV1A0557	R1632051	COMPUTER NETWORKS	S	3
16VV1A0557	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0557	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0557	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0557	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0557	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0557	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0557	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2
16VV1A0558	R1632051	COMPUTER NETWORKS	A	3
16VV1A0558	R1632052	DATA WAREHOUSING AND MINING	A	3
16VV1A0558	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0558	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0558	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0558	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0558	R1632057	SOFTWARE TESTING LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A0558	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A0559	R1632051	COMPUTER NETWORKS	O	3
16VV1A0559	R1632052	DATA WAREHOUSING AND MINING	S	3
16VV1A0559	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	A	3
16VV1A0559	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A0559	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A0559	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
16VV1A0559	R1632057	SOFTWARE TESTING LABORATORY	O	2
16VV1A0559	R1632058	DATA WAREHOUSING AND MINING LABORATORY	B	2
16VV1A1201	R1632051	COMPUTER NETWORKS	B	3
16VV1A1201	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1201	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1201	R1632121	DATA MINING	B	3
16VV1A1201	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1201	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1201	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1201	R1632126	DATA MINING LABORATORY	O	2
16VV1A1202	R1632051	COMPUTER NETWORKS	D	3
16VV1A1202	R1632054	SOFTWARE TESTING METHODOLOGIES	D	3
16VV1A1202	R1632055A	ARTIFICIAL INTELLIGENCE	F	0
16VV1A1202	R1632121	DATA MINING	D	3
16VV1A1202	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1202	R1632124	WEB TECHNOLOGIES LABORATORY	A	2
16VV1A1202	R1632125	SOFTWARE TESTING LABORATORY	A	2
16VV1A1202	R1632126	DATA MINING LABORATORY	A	2
16VV1A1204	R1632051	COMPUTER NETWORKS	B	3
16VV1A1204	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1204	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1204	R1632121	DATA MINING	A	3
16VV1A1204	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1204	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1204	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1204	R1632126	DATA MINING LABORATORY	S	2
16VV1A1205	R1632051	COMPUTER NETWORKS	A	3
16VV1A1205	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1205	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1205	R1632121	DATA MINING	B	3
16VV1A1205	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1205	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1205	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1205	R1632126	DATA MINING LABORATORY	S	2
16VV1A1206	R1632051	COMPUTER NETWORKS	C	3
16VV1A1206	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A1206	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1206	R1632121	DATA MINING	B	3
16VV1A1206	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1206	R1632124	WEB TECHNOLOGIES LABORATORY	A	2
16VV1A1206	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1206	R1632126	DATA MINING LABORATORY	O	2
16VV1A1207	R1632051	COMPUTER NETWORKS	B	3
16VV1A1207	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3



Htno	Subcode	Subname	Grade	Credits
16VV1A1207	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1207	R1632121	DATA MINING	D	3
16VV1A1207	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1207	R1632124	WEB TECHNOLOGIES LABORATORY	A	2
16VV1A1207	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1207	R1632126	DATA MINING LABORATORY	S	2
16VV1A1208	R1632051	COMPUTER NETWORKS	B	3
16VV1A1208	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1208	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1208	R1632121	DATA MINING	D	3
16VV1A1208	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1208	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1208	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1208	R1632126	DATA MINING LABORATORY	S	2
16VV1A1209	R1632051	COMPUTER NETWORKS	A	3
16VV1A1209	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1209	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1209	R1632121	DATA MINING	B	3
16VV1A1209	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1209	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1209	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1209	R1632126	DATA MINING LABORATORY	O	2
16VV1A1210	R1632051	COMPUTER NETWORKS	S	3
16VV1A1210	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1210	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1210	R1632121	DATA MINING	A	3
16VV1A1210	R1632122	WEB TECHNOLOGIES	S	3
16VV1A1210	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1210	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1210	R1632126	DATA MINING LABORATORY	O	2
16VV1A1211	R1632051	COMPUTER NETWORKS	A	3
16VV1A1211	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1211	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1211	R1632121	DATA MINING	B	3
16VV1A1211	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1211	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1211	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1211	R1632126	DATA MINING LABORATORY	S	2
16VV1A1212	R1632051	COMPUTER NETWORKS	S	3
16VV1A1212	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1212	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1212	R1632121	DATA MINING	A	3
16VV1A1212	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1212	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1212	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1212	R1632126	DATA MINING LABORATORY	O	2
16VV1A1213	R1632051	COMPUTER NETWORKS	B	3
16VV1A1213	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1213	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1213	R1632121	DATA MINING	C	3
16VV1A1213	R1632122	WEB TECHNOLOGIES	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A1213	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1213	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1213	R1632126	DATA MINING LABORATORY	S	2
16VV1A1214	R1632051	COMPUTER NETWORKS	C	3
16VV1A1214	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A1214	R1632055A	ARTIFICIAL INTELLIGENCE	D	3
16VV1A1214	R1632121	DATA MINING	C	3
16VV1A1214	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1214	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1214	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1214	R1632126	DATA MINING LABORATORY	A	2
16VV1A1215	R1632051	COMPUTER NETWORKS	B	3
16VV1A1215	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1215	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1215	R1632121	DATA MINING	C	3
16VV1A1215	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1215	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1215	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1215	R1632126	DATA MINING LABORATORY	S	2
16VV1A1216	R1632051	COMPUTER NETWORKS	B	3
16VV1A1216	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1216	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1216	R1632121	DATA MINING	C	3
16VV1A1216	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1216	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1216	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1216	R1632126	DATA MINING LABORATORY	S	2
16VV1A1217	R1632051	COMPUTER NETWORKS	C	3
16VV1A1217	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A1217	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1217	R1632121	DATA MINING	D	3
16VV1A1217	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1217	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1217	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1217	R1632126	DATA MINING LABORATORY	S	2
16VV1A1218	R1632051	COMPUTER NETWORKS	B	3
16VV1A1218	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1218	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1218	R1632121	DATA MINING	A	3
16VV1A1218	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1218	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1218	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1218	R1632126	DATA MINING LABORATORY	S	2
16VV1A1219	R1632051	COMPUTER NETWORKS	A	3
16VV1A1219	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1219	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1219	R1632121	DATA MINING	B	3
16VV1A1219	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1219	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1219	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1219	R1632126	DATA MINING LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A1220	R1632051	COMPUTER NETWORKS	A	3
16VV1A1220	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1220	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1220	R1632121	DATA MINING	A	3
16VV1A1220	R1632122	WEB TECHNOLOGIES	S	3
16VV1A1220	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1220	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1220	R1632126	DATA MINING LABORATORY	S	2
16VV1A1221	R1632051	COMPUTER NETWORKS	A	3
16VV1A1221	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1221	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1221	R1632121	DATA MINING	A	3
16VV1A1221	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1221	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1221	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1221	R1632126	DATA MINING LABORATORY	S	2
16VV1A1223	R1632051	COMPUTER NETWORKS	F	0
16VV1A1223	R1632054	SOFTWARE TESTING METHODOLOGIES	D	3
16VV1A1223	R1632055A	ARTIFICIAL INTELLIGENCE	F	0
16VV1A1223	R1632121	DATA MINING	F	0
16VV1A1223	R1632122	WEB TECHNOLOGIES	F	0
16VV1A1223	R1632124	WEB TECHNOLOGIES LABORATORY	A	2
16VV1A1223	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1223	R1632126	DATA MINING LABORATORY	S	2
16VV1A1224	R1632051	COMPUTER NETWORKS	A	3
16VV1A1224	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1224	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1224	R1632121	DATA MINING	D	3
16VV1A1224	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1224	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1224	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1224	R1632126	DATA MINING LABORATORY	O	2
16VV1A1225	R1632051	COMPUTER NETWORKS	A	3
16VV1A1225	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1225	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1225	R1632121	DATA MINING	C	3
16VV1A1225	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1225	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1225	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1225	R1632126	DATA MINING LABORATORY	S	2
16VV1A1226	R1632051	COMPUTER NETWORKS	S	3
16VV1A1226	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1226	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1226	R1632121	DATA MINING	C	3
16VV1A1226	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1226	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1226	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1226	R1632126	DATA MINING LABORATORY	S	2
16VV1A1227	R1632051	COMPUTER NETWORKS	S	3
16VV1A1227	R1632054	SOFTWARE TESTING METHODOLOGIES	S	3
16VV1A1227	R1632055A	ARTIFICIAL INTELLIGENCE	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A1227	R1632121	DATA MINING	S	3
16VV1A1227	R1632122	WEB TECHNOLOGIES	S	3
16VV1A1227	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1227	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1227	R1632126	DATA MINING LABORATORY	S	2
16VV1A1228	R1632051	COMPUTER NETWORKS	A	3
16VV1A1228	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1228	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1228	R1632121	DATA MINING	A	3
16VV1A1228	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1228	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1228	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1228	R1632126	DATA MINING LABORATORY	S	2
16VV1A1229	R1632051	COMPUTER NETWORKS	B	3
16VV1A1229	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1229	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1229	R1632121	DATA MINING	B	3
16VV1A1229	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1229	R1632124	WEB TECHNOLOGIES LABORATORY	A	2
16VV1A1229	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1229	R1632126	DATA MINING LABORATORY	S	2
16VV1A1230	R1632051	COMPUTER NETWORKS	C	3
16VV1A1230	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1230	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1230	R1632121	DATA MINING	D	3
16VV1A1230	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1230	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1230	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1230	R1632126	DATA MINING LABORATORY	A	2
16VV1A1231	R1632051	COMPUTER NETWORKS	A	3
16VV1A1231	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1231	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1231	R1632121	DATA MINING	B	3
16VV1A1231	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1231	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1231	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1231	R1632126	DATA MINING LABORATORY	O	2
16VV1A1233	R1632051	COMPUTER NETWORKS	A	3
16VV1A1233	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1233	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1233	R1632121	DATA MINING	B	3
16VV1A1233	R1632122	WEB TECHNOLOGIES	S	3
16VV1A1233	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1233	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1233	R1632126	DATA MINING LABORATORY	O	2
16VV1A1234	R1632051	COMPUTER NETWORKS	S	3
16VV1A1234	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1234	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1234	R1632121	DATA MINING	B	3
16VV1A1234	R1632122	WEB TECHNOLOGIES	S	3
16VV1A1234	R1632124	WEB TECHNOLOGIES LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A1234	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1234	R1632126	DATA MINING LABORATORY	S	2
16VV1A1235	R1632051	COMPUTER NETWORKS	C	3
16VV1A1235	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1235	R1632055A	ARTIFICIAL INTELLIGENCE	D	3
16VV1A1235	R1632121	DATA MINING	D	3
16VV1A1235	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1235	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1235	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1235	R1632126	DATA MINING LABORATORY	A	2
16VV1A1236	R1632051	COMPUTER NETWORKS	B	3
16VV1A1236	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1236	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1236	R1632121	DATA MINING	D	3
16VV1A1236	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1236	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1236	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1236	R1632126	DATA MINING LABORATORY	S	2
16VV1A1237	R1632051	COMPUTER NETWORKS	B	3
16VV1A1237	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1237	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1237	R1632121	DATA MINING	A	3
16VV1A1237	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1237	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1237	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1237	R1632126	DATA MINING LABORATORY	A	2
16VV1A1239	R1632051	COMPUTER NETWORKS	A	3
16VV1A1239	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1239	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1239	R1632121	DATA MINING	B	3
16VV1A1239	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1239	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1239	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1239	R1632126	DATA MINING LABORATORY	A	2
16VV1A1241	R1632051	COMPUTER NETWORKS	A	3
16VV1A1241	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1241	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1241	R1632121	DATA MINING	A	3
16VV1A1241	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1241	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1241	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1241	R1632126	DATA MINING LABORATORY	O	2
16VV1A1243	R1632051	COMPUTER NETWORKS	S	3
16VV1A1243	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1243	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1243	R1632121	DATA MINING	A	3
16VV1A1243	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1243	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1243	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1243	R1632126	DATA MINING LABORATORY	S	2
16VV1A1244	R1632051	COMPUTER NETWORKS	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A1244	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1244	R1632055A	ARTIFICIAL INTELLIGENCE	S	3
16VV1A1244	R1632121	DATA MINING	A	3
16VV1A1244	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1244	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1244	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1244	R1632126	DATA MINING LABORATORY	O	2
16VV1A1245	R1632051	COMPUTER NETWORKS	B	3
16VV1A1245	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1245	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1245	R1632121	DATA MINING	C	3
16VV1A1245	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1245	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1245	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1245	R1632126	DATA MINING LABORATORY	S	2
16VV1A1246	R1632051	COMPUTER NETWORKS	B	3
16VV1A1246	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1246	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1246	R1632121	DATA MINING	D	3
16VV1A1246	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1246	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1246	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1246	R1632126	DATA MINING LABORATORY	S	2
16VV1A1247	R1632051	COMPUTER NETWORKS	A	3
16VV1A1247	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A1247	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1247	R1632121	DATA MINING	C	3
16VV1A1247	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1247	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1247	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1247	R1632126	DATA MINING LABORATORY	O	2
16VV1A1248	R1632051	COMPUTER NETWORKS	A	3
16VV1A1248	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1248	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1248	R1632121	DATA MINING	B	3
16VV1A1248	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1248	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1248	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1248	R1632126	DATA MINING LABORATORY	O	2
16VV1A1249	R1632051	COMPUTER NETWORKS	B	3
16VV1A1249	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1249	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1249	R1632121	DATA MINING	F	0
16VV1A1249	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1249	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1249	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1249	R1632126	DATA MINING LABORATORY	S	2
16VV1A1250	R1632051	COMPUTER NETWORKS	A	3
16VV1A1250	R1632054	SOFTWARE TESTING METHODOLOGIES	S	3
16VV1A1250	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1250	R1632121	DATA MINING	A	3

Htno	Subcode	Subname	Grade	Credits
16VV1A1250	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1250	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1250	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1250	R1632126	DATA MINING LABORATORY	S	2
16VV1A1251	R1632051	COMPUTER NETWORKS	A	3
16VV1A1251	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1251	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1251	R1632121	DATA MINING	B	3
16VV1A1251	R1632122	WEB TECHNOLOGIES	C	3
16VV1A1251	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1251	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1251	R1632126	DATA MINING LABORATORY	S	2
16VV1A1252	R1632051	COMPUTER NETWORKS	F	0
16VV1A1252	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
16VV1A1252	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1252	R1632121	DATA MINING	C	3
16VV1A1252	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1252	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1252	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1252	R1632126	DATA MINING LABORATORY	S	2
16VV1A1253	R1632051	COMPUTER NETWORKS	A	3
16VV1A1253	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1253	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1253	R1632121	DATA MINING	A	3
16VV1A1253	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1253	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1253	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1253	R1632126	DATA MINING LABORATORY	S	2
16VV1A1254	R1632051	COMPUTER NETWORKS	A	3
16VV1A1254	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1254	R1632055A	ARTIFICIAL INTELLIGENCE	A	3
16VV1A1254	R1632121	DATA MINING	D	3
16VV1A1254	R1632122	WEB TECHNOLOGIES	B	3
16VV1A1254	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1254	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1254	R1632126	DATA MINING LABORATORY	O	2
16VV1A1255	R1632051	COMPUTER NETWORKS	S	3
16VV1A1255	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
16VV1A1255	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1255	R1632121	DATA MINING	A	3
16VV1A1255	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1255	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1255	R1632125	SOFTWARE TESTING LABORATORY	O	2
16VV1A1255	R1632126	DATA MINING LABORATORY	S	2
16VV1A1257	R1632051	COMPUTER NETWORKS	B	3
16VV1A1257	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1257	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
16VV1A1257	R1632121	DATA MINING	C	3
16VV1A1257	R1632122	WEB TECHNOLOGIES	S	3
16VV1A1257	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
16VV1A1257	R1632125	SOFTWARE TESTING LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
16VV1A1257	R1632126	DATA MINING LABORATORY	S	2
16VV1A1258	R1632051	COMPUTER NETWORKS	S	3
16VV1A1258	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
16VV1A1258	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
16VV1A1258	R1632121	DATA MINING	C	3
16VV1A1258	R1632122	WEB TECHNOLOGIES	A	3
16VV1A1258	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
16VV1A1258	R1632125	SOFTWARE TESTING LABORATORY	S	2
16VV1A1258	R1632126	DATA MINING LABORATORY	S	2
16VV1A3101	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3101	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
16VV1A3101	R1632313	MATERIALS CHARACTERIZATION	A	3
16VV1A3101	R1632314	METAL FORMING	C	3
16VV1A3101	R1632315F	METALLURGICAL ANALYSIS	A	3
16VV1A3101	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3101	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3101	R1632318	MATERIALS CHARACTERIZATION LABORATORY	A	2
16VV1A3102	R1632311	MATERIALS JOINING TECHNIQUES	B	3
16VV1A3102	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
16VV1A3102	R1632313	MATERIALS CHARACTERIZATION	B	3
16VV1A3102	R1632314	METAL FORMING	F	0
16VV1A3102	R1632315F	METALLURGICAL ANALYSIS	C	3
16VV1A3102	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3102	R1632317	METAL FORMING LABORATORY	A	2
16VV1A3102	R1632318	MATERIALS CHARACTERIZATION LABORATORY	A	2
16VV1A3103	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3103	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	B	3
16VV1A3103	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3103	R1632314	METAL FORMING	C	3
16VV1A3103	R1632315F	METALLURGICAL ANALYSIS	A	3
16VV1A3103	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3103	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3103	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3105	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3105	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	B	3
16VV1A3105	R1632313	MATERIALS CHARACTERIZATION	B	3
16VV1A3105	R1632314	METAL FORMING	D	3
16VV1A3105	R1632315F	METALLURGICAL ANALYSIS	A	3
16VV1A3105	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3105	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3105	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3106	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3106	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
16VV1A3106	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3106	R1632314	METAL FORMING	C	3
16VV1A3106	R1632315F	METALLURGICAL ANALYSIS	A	3
16VV1A3106	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3106	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3106	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3107	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3107	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3



Htno	Subcode	Subname	Grade	Credits
16VV1A3107	R1632313	MATERIALS CHARACTERIZATION	O	3
16VV1A3107	R1632314	METAL FORMING	S	3
16VV1A3107	R1632315F	METALLURGICAL ANALYSIS	S	3
16VV1A3107	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3107	R1632317	METAL FORMING LABORATORY	O	2
16VV1A3107	R1632318	MATERIALS CHARACTERIZATION LABORATORY	O	2
16VV1A3108	R1632311	MATERIALS JOINING TECHNIQUES	C	3
16VV1A3108	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	C	3
16VV1A3108	R1632313	MATERIALS CHARACTERIZATION	A	3
16VV1A3108	R1632314	METAL FORMING	D	3
16VV1A3108	R1632315F	METALLURGICAL ANALYSIS	S	3
16VV1A3108	R1632316	MATERIALS JOINING LABORATORY	B	2
16VV1A3108	R1632317	METAL FORMING LABORATORY	B	2
16VV1A3108	R1632318	MATERIALS CHARACTERIZATION LABORATORY	B	2
16VV1A3109	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3109	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
16VV1A3109	R1632313	MATERIALS CHARACTERIZATION	O	3
16VV1A3109	R1632314	METAL FORMING	B	3
16VV1A3109	R1632315F	METALLURGICAL ANALYSIS	S	3
16VV1A3109	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3109	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3109	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3111	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3111	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
16VV1A3111	R1632313	MATERIALS CHARACTERIZATION	O	3
16VV1A3111	R1632314	METAL FORMING	A	3
16VV1A3111	R1632315F	METALLURGICAL ANALYSIS	S	3
16VV1A3111	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3111	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3111	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3112	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3112	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
16VV1A3112	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3112	R1632314	METAL FORMING	A	3
16VV1A3112	R1632315F	METALLURGICAL ANALYSIS	O	3
16VV1A3112	R1632316	MATERIALS JOINING LABORATORY	O	2
16VV1A3112	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3112	R1632318	MATERIALS CHARACTERIZATION LABORATORY	O	2
16VV1A3113	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3113	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
16VV1A3113	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3113	R1632314	METAL FORMING	C	3
16VV1A3113	R1632315F	METALLURGICAL ANALYSIS	S	3
16VV1A3113	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3113	R1632317	METAL FORMING LABORATORY	A	2
16VV1A3113	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3114	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3114	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
16VV1A3114	R1632313	MATERIALS CHARACTERIZATION	A	3
16VV1A3114	R1632314	METAL FORMING	C	3
16VV1A3114	R1632315F	METALLURGICAL ANALYSIS	B	3

Htno	Subcode	Subname	Grade	Credits
16VV1A3114	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3114	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3114	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3115	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3115	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	O	3
16VV1A3115	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3115	R1632314	METAL FORMING	B	3
16VV1A3115	R1632315F	METALLURGICAL ANALYSIS	A	3
16VV1A3115	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3115	R1632317	METAL FORMING LABORATORY	O	2
16VV1A3115	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3116	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3116	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
16VV1A3116	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3116	R1632314	METAL FORMING	B	3
16VV1A3116	R1632315F	METALLURGICAL ANALYSIS	A	3
16VV1A3116	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3116	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3116	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3117	R1632311	MATERIALS JOINING TECHNIQUES	B	3
16VV1A3117	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	B	3
16VV1A3117	R1632313	MATERIALS CHARACTERIZATION	A	3
16VV1A3117	R1632314	METAL FORMING	D	3
16VV1A3117	R1632315F	METALLURGICAL ANALYSIS	B	3
16VV1A3117	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3117	R1632317	METAL FORMING LABORATORY	A	2
16VV1A3117	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3118	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3118	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
16VV1A3118	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3118	R1632314	METAL FORMING	B	3
16VV1A3118	R1632315F	METALLURGICAL ANALYSIS	S	3
16VV1A3118	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3118	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3118	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3119	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3119	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
16VV1A3119	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3119	R1632314	METAL FORMING	A	3
16VV1A3119	R1632315F	METALLURGICAL ANALYSIS	S	3
16VV1A3119	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3119	R1632317	METAL FORMING LABORATORY	O	2
16VV1A3119	R1632318	MATERIALS CHARACTERIZATION LABORATORY	O	2
16VV1A3120	R1632311	MATERIALS JOINING TECHNIQUES	B	3
16VV1A3120	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	D	3
16VV1A3120	R1632313	MATERIALS CHARACTERIZATION	A	3
16VV1A3120	R1632314	METAL FORMING	D	3
16VV1A3120	R1632315F	METALLURGICAL ANALYSIS	C	3
16VV1A3120	R1632316	MATERIALS JOINING LABORATORY	B	2
16VV1A3120	R1632317	METAL FORMING LABORATORY	B	2
16VV1A3120	R1632318	MATERIALS CHARACTERIZATION LABORATORY	B	2

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16VV1A3121	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3121	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
16VV1A3121	R1632313	MATERIALS CHARACTERIZATION	O	3
16VV1A3121	R1632314	METAL FORMING	A	3
16VV1A3121	R1632315F	METALLURGICAL ANALYSIS	O	3
16VV1A3121	R1632316	MATERIALS JOINING LABORATORY	O	2
16VV1A3121	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3121	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3122	R1632311	MATERIALS JOINING TECHNIQUES	A	3
16VV1A3122	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	C	3
16VV1A3122	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3122	R1632314	METAL FORMING	D	3
16VV1A3122	R1632315F	METALLURGICAL ANALYSIS	A	3
16VV1A3122	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3122	R1632317	METAL FORMING LABORATORY	A	2
16VV1A3122	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
16VV1A3123	R1632311	MATERIALS JOINING TECHNIQUES	B	3
16VV1A3123	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
16VV1A3123	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3123	R1632314	METAL FORMING	D	3
16VV1A3123	R1632315F	METALLURGICAL ANALYSIS	B	3
16VV1A3123	R1632316	MATERIALS JOINING LABORATORY	A	2
16VV1A3123	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3123	R1632318	MATERIALS CHARACTERIZATION LABORATORY	A	2
16VV1A3125	R1632311	MATERIALS JOINING TECHNIQUES	S	3
16VV1A3125	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
16VV1A3125	R1632313	MATERIALS CHARACTERIZATION	S	3
16VV1A3125	R1632314	METAL FORMING	A	3
16VV1A3125	R1632315F	METALLURGICAL ANALYSIS	O	3
16VV1A3125	R1632316	MATERIALS JOINING LABORATORY	S	2
16VV1A3125	R1632317	METAL FORMING LABORATORY	S	2
16VV1A3125	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
17VV5A0131	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
17VV5A0131	R1632012	GEOTECHNICAL ENGINEERING - I	O	3
17VV5A0131	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
17VV5A0131	R1632014	WATER RESOURCE ENGINEERING -I	S	3
17VV5A0131	R1632015D	WASTE WATER MANAGEMENT	O	3
17VV5A0131	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
17VV5A0131	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	S	2
17VV5A0131	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
17VV5A0132	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
17VV5A0132	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
17VV5A0132	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3
17VV5A0132	R1632014	WATER RESOURCE ENGINEERING -I	S	3
17VV5A0132	R1632015D	WASTE WATER MANAGEMENT	A	3
17VV5A0132	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
17VV5A0132	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
17VV5A0132	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
17VV5A0133	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
17VV5A0133	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
17VV5A0133	R1632013	ENVIRONMENTAL ENGINEERING -I	A	3

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17VV5A0133	R1632014	WATER RESOURCE ENGINEERING - I	S	3
17VV5A0133	R1632015D	WASTE WATER MANAGEMENT	S	3
17VV5A0133	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
17VV5A0133	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
17VV5A0133	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
17VV5A0134	R1632011	DESIGN & DRAWING OF STEEL STRUCTURES	A	3
17VV5A0134	R1632012	GEOTECHNICAL ENGINEERING - I	S	3
17VV5A0134	R1632013	ENVIRONMENTAL ENGINEERING -I	S	3
17VV5A0134	R1632014	WATER RESOURCE ENGINEERING - I	A	3
17VV5A0134	R1632015D	WASTE WATER MANAGEMENT	O	3
17VV5A0134	R1632016	GEOTECHNICAL ENGINEERING LABORATORY	O	2
17VV5A0134	R1632017	ENVIRONMENTAL ENGINEERING LABORATORY	O	2
17VV5A0134	R1632018	COMPUTER AIDED ENGINEERING LABORATORY	O	2
17VV5A0261	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
17VV5A0261	R1632022	POWER SYSTEM ANALYSIS	B	3
17VV5A0261	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
17VV5A0261	R1632024	DATA STRUCTURES	S	3
17VV5A0261	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3
17VV5A0261	R1632026	POWER ELECTRONICS LABORATORY	S	2
17VV5A0261	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
17VV5A0261	R1632028	DATA STRUCTURES LABORATORY	S	2
17VV5A0262	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
17VV5A0262	R1632022	POWER SYSTEM ANALYSIS	B	3
17VV5A0262	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
17VV5A0262	R1632024	DATA STRUCTURES	A	3
17VV5A0262	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
17VV5A0262	R1632026	POWER ELECTRONICS LABORATORY	S	2
17VV5A0262	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
17VV5A0262	R1632028	DATA STRUCTURES LABORATORY	O	2
17VV5A0263	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
17VV5A0263	R1632022	POWER SYSTEM ANALYSIS	A	3
17VV5A0263	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	A	3
17VV5A0263	R1632024	DATA STRUCTURES	S	3
17VV5A0263	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3
17VV5A0263	R1632026	POWER ELECTRONICS LABORATORY	O	2
17VV5A0263	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
17VV5A0263	R1632028	DATA STRUCTURES LABORATORY	O	2
17VV5A0264	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
17VV5A0264	R1632022	POWER SYSTEM ANALYSIS	B	3
17VV5A0264	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
17VV5A0264	R1632024	DATA STRUCTURES	S	3
17VV5A0264	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
17VV5A0264	R1632026	POWER ELECTRONICS LABORATORY	S	2
17VV5A0264	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
17VV5A0264	R1632028	DATA STRUCTURES LABORATORY	O	2
17VV5A0265	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
17VV5A0265	R1632022	POWER SYSTEM ANALYSIS	D	3
17VV5A0265	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
17VV5A0265	R1632024	DATA STRUCTURES	B	3
17VV5A0265	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
17VV5A0265	R1632026	POWER ELECTRONICS LABORATORY	S	2

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17VV5A0265	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
17VV5A0265	R1632028	DATA STRUCTURES LABORATORY	S	2
17VV5A0266	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
17VV5A0266	R1632022	POWER SYSTEM ANALYSIS	D	3
17VV5A0266	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	F	0
17VV5A0266	R1632024	DATA STRUCTURES	D	3
17VV5A0266	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
17VV5A0266	R1632026	POWER ELECTRONICS LABORATORY	S	2
17VV5A0266	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	A	2
17VV5A0266	R1632028	DATA STRUCTURES LABORATORY	S	2
17VV5A0267	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
17VV5A0267	R1632022	POWER SYSTEM ANALYSIS	C	3
17VV5A0267	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
17VV5A0267	R1632024	DATA STRUCTURES	A	3
17VV5A0267	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
17VV5A0267	R1632026	POWER ELECTRONICS LABORATORY	S	2
17VV5A0267	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
17VV5A0267	R1632028	DATA STRUCTURES LABORATORY	O	2
17VV5A0268	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	S	3
17VV5A0268	R1632022	POWER SYSTEM ANALYSIS	B	3
17VV5A0268	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
17VV5A0268	R1632024	DATA STRUCTURES	A	3
17VV5A0268	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	S	3
17VV5A0268	R1632026	POWER ELECTRONICS LABORATORY	S	2
17VV5A0268	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
17VV5A0268	R1632028	DATA STRUCTURES LABORATORY	O	2
17VV5A0269	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	C	3
17VV5A0269	R1632022	POWER SYSTEM ANALYSIS	D	3
17VV5A0269	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	C	3
17VV5A0269	R1632024	DATA STRUCTURES	A	3
17VV5A0269	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	B	3
17VV5A0269	R1632026	POWER ELECTRONICS LABORATORY	A	2
17VV5A0269	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
17VV5A0269	R1632028	DATA STRUCTURES LABORATORY	O	2
17VV5A0270	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	A	3
17VV5A0270	R1632022	POWER SYSTEM ANALYSIS	B	3
17VV5A0270	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	B	3
17VV5A0270	R1632024	DATA STRUCTURES	S	3
17VV5A0270	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	A	3
17VV5A0270	R1632026	POWER ELECTRONICS LABORATORY	O	2
17VV5A0270	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	S	2
17VV5A0270	R1632028	DATA STRUCTURES LABORATORY	O	2
17VV5A0271	R1632021	POWER ELECTRONIC CONTROLLERS & DRIVES	B	3
17VV5A0271	R1632022	POWER SYSTEM ANALYSIS	D	3
17VV5A0271	R1632023	MICRO PROCESSORS AND MICRO CONTROLLERS	D	3
17VV5A0271	R1632024	DATA STRUCTURES	A	3
17VV5A0271	R1632025E	NEURAL NETWORKS &FUZZY LOGIC	C	3
17VV5A0271	R1632026	POWER ELECTRONICS LABORATORY	S	2
17VV5A0271	R1632027	MICROPROCESSORS & MICROCONTROLLERS LABOR	O	2
17VV5A0271	R1632028	DATA STRUCTURES LABORATORY	S	2
17VV5A0361	R1632031	METROLOGY	B	3

Htno	Subcode	Subname	Grade	Credits
17VV5A0361	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	S	3
17VV5A0361	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
17VV5A0361	R1632034	HEAT TRANSFER	B	3
17VV5A0361	R1632035C	INDUSTRIAL ROBOTICS	A	3
17VV5A0361	R1632036	HEAT TRANSFER LABORATORY	O	2
17VV5A0361	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
17VV5A0361	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
17VV5A0362	R1632031	METROLOGY	B	3
17VV5A0362	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
17VV5A0362	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
17VV5A0362	R1632034	HEAT TRANSFER	B	3
17VV5A0362	R1632035C	INDUSTRIAL ROBOTICS	B	3
17VV5A0362	R1632036	HEAT TRANSFER LABORATORY	O	2
17VV5A0362	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
17VV5A0362	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
17VV5A0363	R1632031	METROLOGY	B	3
17VV5A0363	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
17VV5A0363	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
17VV5A0363	R1632034	HEAT TRANSFER	C	3
17VV5A0363	R1632035C	INDUSTRIAL ROBOTICS	A	3
17VV5A0363	R1632036	HEAT TRANSFER LABORATORY	O	2
17VV5A0363	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
17VV5A0363	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
17VV5A0364	R1632031	METROLOGY	B	3
17VV5A0364	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	A	3
17VV5A0364	R1632033	REFRIGERATION & AIR-CONDITIONING	B	3
17VV5A0364	R1632034	HEAT TRANSFER	C	3
17VV5A0364	R1632035C	INDUSTRIAL ROBOTICS	B	3
17VV5A0364	R1632036	HEAT TRANSFER LABORATORY	O	2
17VV5A0364	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
17VV5A0364	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
17VV5A0365	R1632031	METROLOGY	C	3
17VV5A0365	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	B	3
17VV5A0365	R1632033	REFRIGERATION & AIR-CONDITIONING	C	3
17VV5A0365	R1632034	HEAT TRANSFER	B	3
17VV5A0365	R1632035C	INDUSTRIAL ROBOTICS	B	3
17VV5A0365	R1632036	HEAT TRANSFER LABORATORY	O	2
17VV5A0365	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
17VV5A0365	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
17VV5A0366	R1632031	METROLOGY	B	3
17VV5A0366	R1632032	INSTRUMENTATION & CONTROL SYSTEMS	S	3
17VV5A0366	R1632033	REFRIGERATION & AIR-CONDITIONING	A	3
17VV5A0366	R1632034	HEAT TRANSFER	A	3
17VV5A0366	R1632035C	INDUSTRIAL ROBOTICS	B	3
17VV5A0366	R1632036	HEAT TRANSFER LABORATORY	O	2
17VV5A0366	R1632037	METROLOGY & INSTRUMENTATION LABORATORY	O	2
17VV5A0366	R1632038	COMPUTATIONAL FLUID DYNAMICS LABORATORY	O	2
17VV5A0461	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
17VV5A0461	R1632042	MICRO WAVE ENGINEERING	C	3
17VV5A0461	R1632043	VLSI DESIGN	B	3
17VV5A0461	R1632044	DIGITAL SIGNAL PROCESSING	A	3

Htno	Subcode	Subname	Grade	Credits
17VV5A0461	R1632045D	BIO-MEDICAL ENGINEERING	O	3
17VV5A0461	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
17VV5A0461	R1632047	VLSI LABORATORY	O	2
17VV5A0461	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
17VV5A0462	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	F	0
17VV5A0462	R1632042	MICRO WAVE ENGINEERING	D	3
17VV5A0462	R1632043	VLSI DESIGN	D	3
17VV5A0462	R1632044	DIGITAL SIGNAL PROCESSING	F	0
17VV5A0462	R1632045D	BIO-MEDICAL ENGINEERING	F	0
17VV5A0462	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	B	2
17VV5A0462	R1632047	VLSI LABORATORY	A	2
17VV5A0462	R1632048	DIGITAL COMMUNICATIONS LABORATORY	A	2
17VV5A0463	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	D	3
17VV5A0463	R1632042	MICRO WAVE ENGINEERING	C	3
17VV5A0463	R1632043	VLSI DESIGN	C	3
17VV5A0463	R1632044	DIGITAL SIGNAL PROCESSING	C	3
17VV5A0463	R1632045D	BIO-MEDICAL ENGINEERING	C	3
17VV5A0463	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
17VV5A0463	R1632047	VLSI LABORATORY	O	2
17VV5A0463	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
17VV5A0464	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
17VV5A0464	R1632042	MICRO WAVE ENGINEERING	C	3
17VV5A0464	R1632043	VLSI DESIGN	B	3
17VV5A0464	R1632044	DIGITAL SIGNAL PROCESSING	C	3
17VV5A0464	R1632045D	BIO-MEDICAL ENGINEERING	B	3
17VV5A0464	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	S	2
17VV5A0464	R1632047	VLSI LABORATORY	O	2
17VV5A0464	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
17VV5A0465	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
17VV5A0465	R1632042	MICRO WAVE ENGINEERING	C	3
17VV5A0465	R1632043	VLSI DESIGN	B	3
17VV5A0465	R1632044	DIGITAL SIGNAL PROCESSING	C	3
17VV5A0465	R1632045D	BIO-MEDICAL ENGINEERING	O	3
17VV5A0465	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
17VV5A0465	R1632047	VLSI LABORATORY	O	2
17VV5A0465	R1632048	DIGITAL COMMUNICATIONS LABORATORY	S	2
17VV5A0466	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
17VV5A0466	R1632042	MICRO WAVE ENGINEERING	C	3
17VV5A0466	R1632043	VLSI DESIGN	B	3
17VV5A0466	R1632044	DIGITAL SIGNAL PROCESSING	C	3
17VV5A0466	R1632045D	BIO-MEDICAL ENGINEERING	S	3
17VV5A0466	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
17VV5A0466	R1632047	VLSI LABORATORY	O	2
17VV5A0466	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
17VV5A0467	R1632041	MICRO PROCESSORS & MICRO CONTROLLERS	C	3
17VV5A0467	R1632042	MICRO WAVE ENGINEERING	C	3
17VV5A0467	R1632043	VLSI DESIGN	C	3
17VV5A0467	R1632044	DIGITAL SIGNAL PROCESSING	C	3
17VV5A0467	R1632045D	BIO-MEDICAL ENGINEERING	O	3
17VV5A0467	R1632046	MICRO PROCESSORS & MICRO CONTROLLERS LAB	O	2
17VV5A0467	R1632047	VLSI LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
17VV5A0467	R1632048	DIGITAL COMMUNICATIONS LABORATORY	O	2
17VV5A0561	R1632051	COMPUTER NETWORKS	A	3
17VV5A0561	R1632052	DATA WAREHOUSING AND MINING	B	3
17VV5A0561	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
17VV5A0561	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
17VV5A0561	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A0561	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
17VV5A0561	R1632057	SOFTWARE TESTING LABORATORY	O	2
17VV5A0561	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
17VV5A0562	R1632051	COMPUTER NETWORKS	A	3
17VV5A0562	R1632052	DATA WAREHOUSING AND MINING	A	3
17VV5A0562	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
17VV5A0562	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
17VV5A0562	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A0562	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
17VV5A0562	R1632057	SOFTWARE TESTING LABORATORY	O	2
17VV5A0562	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
17VV5A0563	R1632051	COMPUTER NETWORKS	A	3
17VV5A0563	R1632052	DATA WAREHOUSING AND MINING	S	3
17VV5A0563	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	C	3
17VV5A0563	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
17VV5A0563	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A0563	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
17VV5A0563	R1632057	SOFTWARE TESTING LABORATORY	O	2
17VV5A0563	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
17VV5A0564	R1632051	COMPUTER NETWORKS	S	3
17VV5A0564	R1632052	DATA WAREHOUSING AND MINING	S	3
17VV5A0564	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
17VV5A0564	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
17VV5A0564	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A0564	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
17VV5A0564	R1632057	SOFTWARE TESTING LABORATORY	O	2
17VV5A0564	R1632058	DATA WAREHOUSING AND MINING LABORATORY	D	2
17VV5A0565	R1632051	COMPUTER NETWORKS	D	3
17VV5A0565	R1632052	DATA WAREHOUSING AND MINING	C	3
17VV5A0565	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	D	3
17VV5A0565	R1632054	SOFTWARE TESTING METHODOLOGIES	F	0
17VV5A0565	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
17VV5A0565	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
17VV5A0565	R1632057	SOFTWARE TESTING LABORATORY	O	2
17VV5A0565	R1632058	DATA WAREHOUSING AND MINING LABORATORY	A	2
17VV5A0566	R1632051	COMPUTER NETWORKS	S	3
17VV5A0566	R1632052	DATA WAREHOUSING AND MINING	S	3
17VV5A0566	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
17VV5A0566	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
17VV5A0566	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A0566	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
17VV5A0566	R1632057	SOFTWARE TESTING LABORATORY	O	2
17VV5A0566	R1632058	DATA WAREHOUSING AND MINING LABORATORY	D	2
17VV5A0567	R1632051	COMPUTER NETWORKS	B	3
17VV5A0567	R1632052	DATA WAREHOUSING AND MINING	A	3



Htno	Subcode	Subname	Grade	Credits
17VV5A0567	R1632053	DESIGN AND ANALYSIS OF ALGORITHMS	B	3
17VV5A0567	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
17VV5A0567	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
17VV5A0567	R1632056	NETWORK PROGRAMMING LABORATORY	O	2
17VV5A0567	R1632057	SOFTWARE TESTING LABORATORY	O	2
17VV5A0567	R1632058	DATA WAREHOUSING AND MINING LABORATORY	C	2
17VV5A1261	R1632051	COMPUTER NETWORKS	B	3
17VV5A1261	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
17VV5A1261	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
17VV5A1261	R1632121	DATA MINING	D	3
17VV5A1261	R1632122	WEB TECHNOLOGIES	A	3
17VV5A1261	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
17VV5A1261	R1632125	SOFTWARE TESTING LABORATORY	S	2
17VV5A1261	R1632126	DATA MINING LABORATORY	S	2
17VV5A1262	R1632051	COMPUTER NETWORKS	C	3
17VV5A1262	R1632054	SOFTWARE TESTING METHODOLOGIES	D	3
17VV5A1262	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
17VV5A1262	R1632121	DATA MINING	F	0
17VV5A1262	R1632122	WEB TECHNOLOGIES	C	3
17VV5A1262	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
17VV5A1262	R1632125	SOFTWARE TESTING LABORATORY	S	2
17VV5A1262	R1632126	DATA MINING LABORATORY	A	2
17VV5A1263	R1632051	COMPUTER NETWORKS	B	3
17VV5A1263	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
17VV5A1263	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A1263	R1632121	DATA MINING	C	3
17VV5A1263	R1632122	WEB TECHNOLOGIES	A	3
17VV5A1263	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
17VV5A1263	R1632125	SOFTWARE TESTING LABORATORY	O	2
17VV5A1263	R1632126	DATA MINING LABORATORY	S	2
17VV5A1264	R1632051	COMPUTER NETWORKS	A	3
17VV5A1264	R1632054	SOFTWARE TESTING METHODOLOGIES	B	3
17VV5A1264	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A1264	R1632121	DATA MINING	C	3
17VV5A1264	R1632122	WEB TECHNOLOGIES	A	3
17VV5A1264	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
17VV5A1264	R1632125	SOFTWARE TESTING LABORATORY	O	2
17VV5A1264	R1632126	DATA MINING LABORATORY	S	2
17VV5A1265	R1632051	COMPUTER NETWORKS	D	3
17VV5A1265	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
17VV5A1265	R1632055A	ARTIFICIAL INTELLIGENCE	D	3
17VV5A1265	R1632121	DATA MINING	F	0
17VV5A1265	R1632122	WEB TECHNOLOGIES	C	3
17VV5A1265	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
17VV5A1265	R1632125	SOFTWARE TESTING LABORATORY	S	2
17VV5A1265	R1632126	DATA MINING LABORATORY	A	2
17VV5A1266	R1632051	COMPUTER NETWORKS	S	3
17VV5A1266	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
17VV5A1266	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
17VV5A1266	R1632121	DATA MINING	D	3
17VV5A1266	R1632122	WEB TECHNOLOGIES	A	3

Htno	Subcode	Subname	Grade	Credits
17VV5A1266	R1632124	WEB TECHNOLOGIES LABORATORY	O	2
17VV5A1266	R1632125	SOFTWARE TESTING LABORATORY	O	2
17VV5A1266	R1632126	DATA MINING LABORATORY	A	2
17VV5A1267	R1632051	COMPUTER NETWORKS	B	3
17VV5A1267	R1632054	SOFTWARE TESTING METHODOLOGIES	C	3
17VV5A1267	R1632055A	ARTIFICIAL INTELLIGENCE	C	3
17VV5A1267	R1632121	DATA MINING	D	3
17VV5A1267	R1632122	WEB TECHNOLOGIES	B	3
17VV5A1267	R1632124	WEB TECHNOLOGIES LABORATORY	A	2
17VV5A1267	R1632125	SOFTWARE TESTING LABORATORY	O	2
17VV5A1267	R1632126	DATA MINING LABORATORY	A	2
17VV5A1268	R1632051	COMPUTER NETWORKS	A	3
17VV5A1268	R1632054	SOFTWARE TESTING METHODOLOGIES	A	3
17VV5A1268	R1632055A	ARTIFICIAL INTELLIGENCE	B	3
17VV5A1268	R1632121	DATA MINING	C	3
17VV5A1268	R1632122	WEB TECHNOLOGIES	B	3
17VV5A1268	R1632124	WEB TECHNOLOGIES LABORATORY	S	2
17VV5A1268	R1632125	SOFTWARE TESTING LABORATORY	O	2
17VV5A1268	R1632126	DATA MINING LABORATORY	S	2
17VV5A3131	R1632311	MATERIALS JOINING TECHNIQUES	D	3
17VV5A3131	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	D	3
17VV5A3131	R1632313	MATERIALS CHARACTERIZATION	B	3
17VV5A3131	R1632314	METAL FORMING	D	3
17VV5A3131	R1632315F	METALLURGICAL ANALYSIS	B	3
17VV5A3131	R1632316	MATERIALS JOINING LABORATORY	A	2
17VV5A3131	R1632317	METAL FORMING LABORATORY	A	2
17VV5A3131	R1632318	MATERIALS CHARACTERIZATION LABORATORY	A	2
17VV5A3132	R1632311	MATERIALS JOINING TECHNIQUES	D	3
17VV5A3132	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	C	3
17VV5A3132	R1632313	MATERIALS CHARACTERIZATION	A	3
17VV5A3132	R1632314	METAL FORMING	D	3
17VV5A3132	R1632315F	METALLURGICAL ANALYSIS	A	3
17VV5A3132	R1632316	MATERIALS JOINING LABORATORY	A	2
17VV5A3132	R1632317	METAL FORMING LABORATORY	A	2
17VV5A3132	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
17VV5A3134	R1632311	MATERIALS JOINING TECHNIQUES	D	3
17VV5A3134	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	D	3
17VV5A3134	R1632313	MATERIALS CHARACTERIZATION	F	0
17VV5A3134	R1632314	METAL FORMING	D	3
17VV5A3134	R1632315F	METALLURGICAL ANALYSIS	F	0
17VV5A3134	R1632316	MATERIALS JOINING LABORATORY	A	2
17VV5A3134	R1632317	METAL FORMING LABORATORY	S	2
17VV5A3134	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
17VV5A3135	R1632311	MATERIALS JOINING TECHNIQUES	A	3
17VV5A3135	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	B	3
17VV5A3135	R1632313	MATERIALS CHARACTERIZATION	S	3
17VV5A3135	R1632314	METAL FORMING	B	3
17VV5A3135	R1632315F	METALLURGICAL ANALYSIS	A	3
17VV5A3135	R1632316	MATERIALS JOINING LABORATORY	S	2
17VV5A3135	R1632317	METAL FORMING LABORATORY	O	2
17VV5A3135	R1632318	MATERIALS CHARACTERIZATION LABORATORY	O	2

Htno	Subcode	Subname	Grade	Credits
17VV5A3136	R1632311	MATERIALS JOINING TECHNIQUES	B	3
17VV5A3136	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	S	3
17VV5A3136	R1632313	MATERIALS CHARACTERIZATION	A	3
17VV5A3136	R1632314	METAL FORMING	B	3
17VV5A3136	R1632315F	METALLURGICAL ANALYSIS	S	3
17VV5A3136	R1632316	MATERIALS JOINING LABORATORY	S	2
17VV5A3136	R1632317	METAL FORMING LABORATORY	S	2
17VV5A3136	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2
17VV5A3137	R1632311	MATERIALS JOINING TECHNIQUES	A	3
17VV5A3137	R1632312	INDUSTRIAL ENGINEERING AND MANAGEMENT	A	3
17VV5A3137	R1632313	MATERIALS CHARACTERIZATION	S	3
17VV5A3137	R1632314	METAL FORMING	C	3
17VV5A3137	R1632315F	METALLURGICAL ANALYSIS	S	3
17VV5A3137	R1632316	MATERIALS JOINING LABORATORY	A	2
17VV5A3137	R1632317	METAL FORMING LABORATORY	A	2
17VV5A3137	R1632318	MATERIALS CHARACTERIZATION LABORATORY	S	2

**\*\* Note:\*\***

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

\* -2 in the filed of externals indicates student Withheld for the respective subject.

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

Date:06.08.19

*N. Mohan Rao*  
Controller of Examinations