DEPARTMENT: INSTRUMENTATION AND CONTROL ENGINEERING

THIRD TERM

	F - SCHEME		G - SCHEME			
S.NO	COURSE CODE	COURSE NAME	COURSE CODE	COURSE NAME	COURSE TYPE	END EXAM
1	6F3201	ELECTRONIC DEVICES & ITS APPLICATIONS	6G233540	ELECTRONIC DEVICES & ITS APPLICATIONS	Practicum	Practical
2	6F3202	ELECTRICAL CIRCUITS AND MACHINES	6G233440	ELECTRICAL CIRCUITS AND MACHINES	Practicum	Practical
3	6F3301	ANALOG AND DIGITAL ELECTRONICS	6G234440	ANALOG AND DIGITAL ELECTRONICS (G SCHEME - IV TERM)	Practicum	Practical
4	6F3203	MEASUREMENTS AND INSTRUMENTS	6G233230	MEASUREMENTS AND INSTRUMENTS	**Practicum**	Practicum (Theory + Practical)
5	6F3204	ELECTRONIC DEVICES & ITS APPLICATIONS LAB	6G233540	ELECTRONIC DEVICES & APPLICATIONS	Practicum	Practical
6	6F3205	ELECTRICAL CIRCUITS AND MACHINES LAB	6G233440	ELECTRICAL CIRCUITS AND MACHINES	Practicum	Practical
7	6F3302	ANALOG AND DIGITAL ELECTRONICS LAB	6G234440	ANALOG AND DIGITAL ELECTRONICS (G SCHEME - IV TERM)	Practicum	Practical

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PRINCIPAL

FOURTH TERM

S.NO	F - SCHEME		G - SCHEME			
	COURSE CODE	CODE & COURSE NAME	COURSE CODE	CODE & COURSE NAME	COURSE TYPE	END EXAM
1	6F4206	Industrial instrumentation-1	6G233110	Sensors and Transducers (G SCHEME - III TERM)	THEORY	THEORY
2	6F4207	Control systems	6G234230	Control systems	**Practicum**	Practicum (Theory + Practical)
3	6F4303	Microcontroller & its applications	6G234540	Microcontroller	Practicum	Practical
4	6F4401	E-vehicle technology & its Policy	NO EQUIVALENT			
5	6F4208	Industrial instrumentation-1 lab	6G233320	Sensors and Transducers Practical (G SCHEME - III TERM)	Practical	Practical
6	6F4209	MATLAB+labview simulation Lab	NO EQUIVALENT			
7	6F4304	Micro controller & its applications Lab	6G234540	Microcontroller	Practicum	Practical
8	6F0007	CONCURRENT CAREER AND DEVELOPMENT	NO EQUIVALENT			

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PRINCIPAL

FIFTH TERM

S.NO	F - SCHEME			G - SCHEME			
	COURSE CODE	COURSE NAME		COURSE CODE	COURSE NAME	COURSE TYPE	END EXAM
1	6F5210	**Theory** Industrial instrumentation-2		6G234110	Industrial instrumentation (G SCHEME - IV TERM)	THEORY	THEORY
2	6F5211	Process control		6G235110	Process control	THEORY	THEORY
3	6F5212.1	**Elective -1** Power plant instrumentation		NO EQUIVALENT			
4	6F5402	Entrepreneurship & startups		NO EQUIVALENT			
5	6F5213	Industrial instrumentation-2 Lab		6G234320	Industrial instrumentation Practical (G SCHEME - IV TERM)	Practical	Practical
6	6F5214	Process control lab		6G235320	Process control, LABVIEW and P & ID Practical (G SCHEME - V TERM)	Practical	Practical
7	6F5403.1	**Elective – I** C Programming Lab		6G233640	C Programming (G SCHEME - III TERM)	Practicum	Practical
8	6F0006	UNIVERSAL HUMAN VALUES		NO EQUIVALENT			

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LIST OF ALTERNATE SUBJECTS FOR F – SCHEME TO G- SCHEME

DEPARTMENT: INSTRUMENTATION AND CONTROL ENGINEERING

SIXTH TERM

	F - SCHEME		G - SCHEME			
S.NO	COURSE CODE	COURSE NAME	COURSE CODE	COURSE NAME	COURSE TYPE	END EXAM
1	6F6215	INDUSTRIAL AUTOMATION	NOT EQUIVALENT			THEORY
2	6F6305	INDUSTRIAL ELECTRONICS	6G235212	INDUSTRIAL POWER ELECTRONICS (V-TERM G-SCHEME)	THEORY	THEORY
3	6F6216.1	ELECTIVE THEORY-II BIOMEDICAL INSTRUMENTATION	6G236115	BIOMEDICAL INSTRUMENTATION (VI-TERM G-SCHEME)	THEORY	THEORY
4	6F6217	INDUSTRIAL AUTOMATION LAB	NOT EQUIVALENT			PRACTICAL
5	6F6306	INDUSTRIAL ELECTRONICS LAB	6G235522	INDUSTRIAL POWR ELECTRONICS PRACTICAL (V – TERM G-SCHEME)	PRACTICAL	PRACTICAL
6	6F6403	PROJECT WORK & INTERNSHIP	6G236374	IN HOUSE PROJECT (VI-TERM G-SCHEME)	PROJECT	PROJECT

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10/2/26

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