

MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI

(Permanently Affiliated to University of Mumbai)
Department of Instrumentation Engineering

DIRECT ATTAINMENT OF PROGRAM OUTCOMES (POs AND PSOs) A.Y.2019-2020

COURSE CODE	COURSE NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
SEMESTER III (REV 2016)																
ISC301	Engineering Mathematics III	3	3	3		3							3	3	3	
ISC302	Analog Electronics	2.1	2.1	2.1	2.1		2.12	2.13						2.13	2.2	2.2
ISC303	Transducer-1	2.13	2.13	2.13	2.13		2.12	2.13						2.13	2.2	2.2
ISC304	Digital Electronics	2.13	2.13	2.13	2.13		2.12	2.13						2.13	2.2	
ISC305	Electrical Networks and Measurement	2.13	2.13	2.13	2.13		2.12	2.13						2.13		2.2
SEMESTER IV (REV 2016)																
ISC401	Engineering mathematics IV	3	3	3		3							3	3	3	2
ISC402	Transducers-II	2.1	2.13	2.13	2.13		2.12	2.13						2.13	2.2	2.2
ISC403	Feedback Control System	2.3	2.4	2										2		2.6
ISC404	Analytical Instrumentation	2.9	2.9	2.9	2.9	2.9								2.9	2.9	
ISC405	Signal Conditioning Circuit Design	2.03	2.04	2										2		

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SEMESTER V (REV 2016)																
ISC502	Applications of microcontroller	2.04	2.2	2	2	2	2	1.8						2.06	2	2.2
ISC503	Control System Design	2.2	2	2	2	2	1.8							2.3	2	2.2
ISC504	Control system Components	2.2	2.2	2.2	2.4									2.2	2.2	2.2
ISDLO5011	Advanced Sensors	3	1	3		3	3						2	3	2	1
ISDLO5014	Fibre Optic Instrumentation	2.2	2.2	2.2	2.2		2.2	2.2						2.2	2.3	2.2
SEMESTER VI (REV 2016)																
ISC601	Process Instrumentation Systems	2.3	2	2.5	1.5	3							1.7	2.6	2	
ISC602	Industrial data communication	2	2.8	2.3	1	2								3	2	
ISC603	Electrical Machines & Drives	2.04	2.2	2	2	2	2	1.8						2.06	2	2.2
ISC604	Digital Signal Processing	2.2	2		2	2	2	1.8						2.3	2	
ISC605	Advanced Control System	2.36		2.2	2	2	2.2	1.8		2.2				2.3	2.2	2.2

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SEMESTER VII (REV 2016)																
ISC701	Industrial Process Control	2.2			2.2	2.2								2.2	2.2	
ISC702	Biomedical instrumentation	3	2	3		2	2						2	3	1	
ISC703	Industrial Automation	2.4	2.6	2.5	2.4	2.5	2.4	2.4					2.4	2.4	2.5	2.6
ISC7052	Image Processing	2	2.8	2.3	1	2.6	1						1.6	3	1.8	2
ISP706	Project I (Included Ahead)															
SEMESTER VIII (REV 2012)																
ISC801	Instrumentation Project Documentation & Execution	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
ISC802	Instrument and System Design	2.3	2.5	2.5	1.5	1.33	1						2	3	2	
ISDLO8043	Internet of things	2	2.8	2.3	1	2.6	1						1.6	3	1.8	2
ISDLO8044	Power Plant Instrumentation	2.16	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.16	2.16	2.1	2.2	2.4
ISP805	Project II	2	3	3	3	3	2	2	2	3	3	3	3	3	3	2
DIRECT ATTAINMENT OF PROGRAM OUTCOME (PO AND PSOs)		2.30	2.32	2.37	2.01	2.38	1.98	2.06	2.13	2.40	2.47	2.45	2.22	2.46	2.20	2.14

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DIRECT ATTAINMENT OF PROGRAM OUTCOMES (POs AND PSOs)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ISA activities	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
Internship	2	2	2	2	2	3	2	3	2	2	2	3	2	2	2
Overall attainment	2	2	2	2	2	2.5	2	2.5	2	2	1.5	2.5	2	2	2

OVERALL ATTAINMENT OF PROGRAM OUTCOMES (POs and PSOs)

ATTAINMENT LEVEL OF PS= 80% OF DIRECT + 20% OF INDIRECT

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
ATTAINMENT LEVELS	2.24	2.26	2.29	2.00	2.30	2.08	2.05	2.21	2.32	2.37	2.26	2.28	2.37	2.16	2.11

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DIRECT ATTAINMENT OF PROGRAM EDUCATIONAL OBJECTIVES

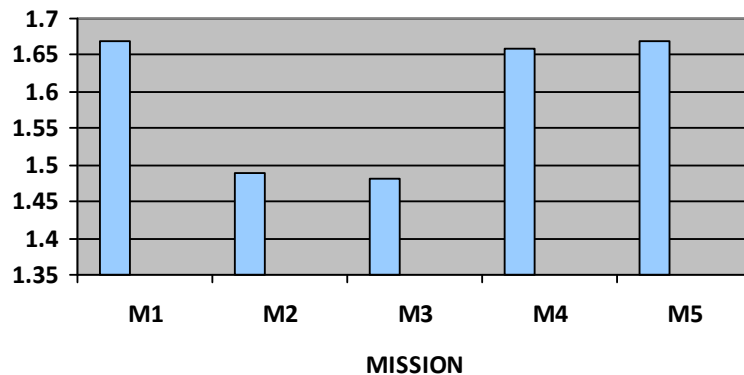
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PROGRAM OUTCOMES	ATTAINMENT LEVELS OF PO'S	PROGRAM EDUCATIONAL OBJECTIVES			
		PEO1	PEO2	PEO3	PEO4
PO1	2.24	2.24			2.24
PO2	2.26			2.26	2.26
PO3	2.29		2.29		2.29
PO4	2.00	2.00	2.00	2.00	2.00
PO5	2.30	2.30		2.30	2.30
PO6	2.08		2.08	2.08	
PO7	2.05		2.05	2.05	2.05
PO8	2.21		2.21	2.21	
PO9	2.32		2.32	2.32	2.32
PO10	2.37		2.37	2.37	2.37
PO11	2.26	2.26	2.26	2.26	2.26
PO12	2.28	2.28		2.28	2.28
PSO1	2.37	2.37	2.37	2.37	2.37
PSO2	2.16	2.16	2.16	2.16	2.16
PSO3	2.11			2.11	2.11
AVERAGE ATTAINMENT		2.23	2.21	2.21	2.23


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ATTAINMENT OF MISSION

PROGRAM EDUCATIONAL OBJECTIVES	ATTAINMENT LEVELS OF PEO'S	MISSION				
		M1	M2	M3	M4	M5
PEO1	2.23	2.23			2.23	2.23
PEO2	2.21		2.21	2.21		2.21
PEO3				2.21	2.21	
PEO4	2.23	2.23	2.23	2.23	2.23	2.23
AVERAGE ATTAINMENT		1.67	1.49	1.48	1.66	1.67



LEVEL 1: LOW

LEVEL 2: MODERATE

LEVEL 3: HIGH

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ATTAINMENT OF VISION

MISSION	VISION
	<i>To be the department committed to nurture student centered learning experience through outcome and skill based transformative education to create technocrats and leaders for the service of society and nation.</i>
M1	1.67
M2	1.49
M3	1.48
M4	1.66
M5	1.67
ATTAINMENT OF VISION	1.59