

**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)**

COURSE CODE	COURSE NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
<b>SEMESTER III ( REV 2016)</b>																
<b>ISC301</b>	Applied Mathematics III	2.23	2.23		2.23	2.23	2.23			2.23			2.23	2.23	2.23	2.23
<b>ISC302</b>	Analog Electronics	2.93	2.93	2.93	2.93	2.93								2.93	2.93	
<b>ISC303</b>	Transducer-1	2.13	2.13	2.13	2.13		2.13	2.13						2.2	2.2	
<b>ISC304</b>	Digital Electronics	2.9	2.9	2.9	2.9	2.9	2.9						2.9	2.9	2.9	2.9
<b>ISC305</b>	Electrical Networks and Measurement	1.9	1.9	1.9		1.9	1.9		1.9	1.9		1.8		1.9	1.88	1.8
<b>SEMESTER IV ( REV 2016)</b>																
<b>ISC401</b>	Applied mathematics IV	2.03	2.03	2.03	2.03	2.03	2.03			2.03			2.03	3	2.67	2
<b>ISC402</b>	Transducers-II	2.1	2.1	2.1	2.1	2.1	2.1						2.1	2.1	2.1	
<b>ISC403</b>	Feedback Control System	2.1	2.1	2.1	2.1	2.1	2.1	2.1		2.1			2.1	2.1	2.1	2.1
<b>ISC404</b>	Analytical Instrumentation	2.6	2.73	2.4	3	1.5				2.6			3	2.2		
<b>ISC405</b>	Signal Conditioning Circuit Design	2.53	2.6	2.87						2.6				2.5		

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<b>SEMESTER V ( REV 2012)</b>																
<b>ISC501</b>	Signals and Systems	2	2	2	2	2	2	2					2	2	2	2
<b>ISC502</b>	Applications of microcontroller-1	2.9	2.9	2.95	2.95	2.95	2.9	2.93						2.92	2.95	2.9
<b>ISC503</b>	Control System Design	2.13	2.13	2.16	2.15	2.13	2.1	2.13	2.13	2.13		2.13		2.13	2.13	2.35
<b>ISC504</b>	Signal Conditioning & circuit design	2.35	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.35	2.35	2.35
<b>ISC505</b>	Control system Components	2.13	2.2	2.2	2.13					2.13				2.13	2.2	2.13
<b>SEMESTER VI ( REV 2012)</b>																
<b>ISC601</b>	Process Instrumentation Systems	2.13	2.2	2.12	2.07	2.13	2.13						2.16	2.12	2.13	2.2
<b>ISC602</b>	Power Electronics and Drives	2.8	2.73	2.95	2.73	2.8				3			2.95	2.93	2.8	2.8
<b>ISC603</b>	Digital Signal Processing	2.28	2.4	2.4	2.45	2.53	2.4						2.55	2.4	2.67	2
<b>ISC604</b>	Applications of microcontroller-II	2.64	2.64	2.48	2.75	2.67	2.64						2.4	2.6	2.47	2.5
<b>ISC605</b>	Industrial data communication	2.8	2.64	2.64	2.75	2.7	2.64						2.6	2.8	2.75	2.5
<b>ISC606</b>	Analytical Instrumentation	2.93	2.93	2.93	2.93	2.93								2.93	2.93	

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COURSE CODE	COURSE NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
<b>SEMESTER VII ( REV 2012)</b>																
ISC701	Industrial Process Control	2.05	2.3	2.8	2.8	2.25	2.3	2.33						2.24	2.5	2.3
ISC702	Biomedical instrumentation	2.36	2.36	2.33	2.4	2.33	2.33	2.36						2.36	2.2	2.2
ISC703	Advanced Control System	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
ISC704	Process Automation	1.4	2.33	2	2	2.25	3	2.5				1		2.6	1.8	2
ISC7052	Image Processing	2.33	2.16	1.5	2	2								3	1.8	2
ISC7053	Functional safety	2.2	2.13	2.1		2	2.16	2.2				2.1		2.16	2.13	
ISC706	Project I (Included Ahead)															
<b>SEMESTER VIII ( REV 2012)</b>																
ISC801	Digital control system	2.03	2.03	2.1	2.05	2.16		2.1					2.16	2.28	2.28	
ISC802	Instrumentation Project Documentation & Execution	2.92	2.92	2.93	2.95	2.93	2.93	2.92						2.92	2.95	2.9
ISC803	Instrument and System Design	2.2	2.2	2.2	2.2					2.2			2.2	2.2	2.2	
ISC8042	Power Plant Instrumentation	2.06	2.06	2.1	2.06	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.06	2.06	2.2
ISC805	Project II	2	3	3	3	3	2	2	2	3	3	3	3	3	3	2
<b>DIRECT ATTAINMENT OF PROGRAM OUTCOME (PO AND PSOs)</b>		1.97	2.09	2.02	1.93	1.86	1.60	1.01	0.44	1.05	0.34	0.55	1.37	2.14	1.95	1.52

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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
<b>ISA activities</b>	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2
<b>Internship</b>	2	2	2	2	2	3	2	3	2	2	2	3	2	2	2
<b>Alumni F/B</b>	2	2	2	3	2	2	2	2	3	2	3	2	2	2	2
<b>Parent feedback</b>	2	3	3	2	2	2	2	2	2	3	2	2	2	2	2
<b>Employer's feedback</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
<b>Overall attainment</b>	2	2.2	2.2	2.2	2	2.2	2	2.2	2.2	2.2	2	2.2	2	1.8	1.8

**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
<b>ATTAINMENT LEVELS</b>	1.98	2.11	2.06	1.98	1.89	1.72	1.21	0.79	1.28	0.71	0.84	1.54	2.11	1.92	1.58

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**DIRECT ATTAINMENT OF PROGRAM EDUCATIONAL OBJECTIVES**

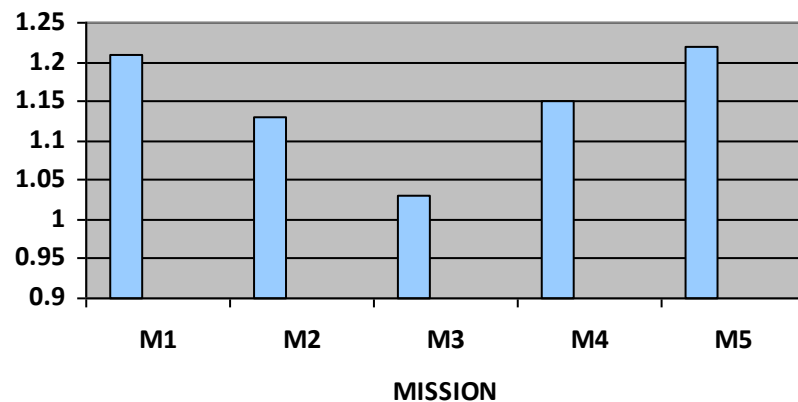
PROGRAM OUTCOMES	ATTAINMENT LEVELS OF PO'S	PROGRAM EDUCATIONAL OBJECTIVES			
		PEO1	PEO2	PEO3	PEO4
PO1	1.98	1.98			1.98
PO2	2.11			2.11	2.11
PO3	2.06		2.06		2.06
PO4	1.98	1.98	1.98	1.98	1.98
PO5	1.89	1.89		1.89	1.89
PO6	1.72		1.72	1.72	
PO7	1.21		1.21	1.21	1.21
PO8	0.79		0.79	0.79	
PO9	1.28		1.28	1.28	1.28
PO10	0.71		0.71	0.71	0.71
PO11	0.84	0.84	0.84	0.84	0.84
PO12	1.54	1.54		1.54	1.54
PSO1	2.11	2.11	2.11	2.11	2.11
PSO2	1.92	1.92	1.92	1.92	1.92
PSO3	1.58			1.58	1.58
<b>AVERAGE ATTAINMENT</b>		<b>1.75</b>	<b>1.46</b>	<b>1.51</b>	<b>1.63</b>

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## ATTAINMENT OF MISSION

PROGRAM EDUCATIONAL OBJECTIVESS	ATTAINMEN T LEVELS OF PEO'S	MISSION				
		M1	M2	M3	M4	M5
PEO1	1.75	1.75	1.75			1.75
PEO2	1.46	1.46		1.46	1.46	
PEO3	1.51				1.51	1.51
PEO4	1.63	1.63	1.63	1.63	1.63	1.63
<b>AVERAGE ATTAINMENT</b>		<b>1.21</b>	<b>1.13</b>	<b>1.03</b>	<b>1.15</b>	<b>1.22</b>



LEVEL 1: LOW

LEVEL 2: MODERATE

LEVEL 3: HIGH

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**ATTAINMENT OF VISION**

<b>MISSION</b>	<b>VISION</b>
	<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>
<b>M1</b>	1.21
<b>M2</b>	1.13
<b>M3</b>	1.03
<b>M4</b>	1.15
<b>M5</b>	1.22
<b>ATTAINMENT OF VISION</b>	<b>1.15</b>