

Mapping of PEOs with the Mission of the department

Department Mission PEO	Mission 1 (State of the art knowledge)	Mission2 (Creativity,innovation,m oral & ethical values)	Mission 3 (Value based education,social requirement)
To make students competent for professional career in Electronics & allied fields	H	H	H
To equip students with effective communication & teamwork skills to acquire professional excellence in national & multinational organizations.	M	M	L
To nurture students to be sensitive to ethical, societal & environmental issues while conducting their professional work.	L	H	H
To build strong fundamental knowledge amongst student to pursue higher education &continue professional development in Electronics & other fields.	H	-	M

Mapping of PEOs with Mission of the Institute

Institute Mission PEO	Mission 1 (Quality technical education, infrastructure, needs of profession & society)	Mission 2 (Environment conducive to innovation, research & entrepreneurial leadership)	Mission 3 (Professional ethics, accountability for social community, economic & environmental conditions)
To make students competent for professional career in Electronics & allied fields	H	M	L
To equip students with effective communication & teamwork skills to acquire professional excellence in national & multinational organizations.	M	L	L
To nurture students to be sensitive to ethical, societal & environmental issues while conducting their professional work.	H	M	H
To build strong fundamental knowledge amongst student to pursue higher education and continue professional development in Electronics & other fields.	M	L	L

Correlation between the Graduate Attributes & Programme Outcomes

GA/PO	a	b	c	d	e	f	g	h	i	j	k	l
	<i>Application of basic knowledge</i>	<i>Problem Analysis (PO2)</i>	<i>Experimental analysis (PO3)</i>	<i>Solving complex problems(PO4)</i>	<i>Modern Software tools (PO5)</i>	<i>The engineer & Society (PO6)</i>	<i>Environment &</i>	<i>Ethics (PO8)</i>	<i>Team work (PO9)</i>	<i>Communication(PO10)</i>	<i>Project Management (PO11)</i>	<i>Lifelong learning(PO12)</i>
Engineering Knowledge (GA-1)	X											
Problem Analysis (GA-2)		X										
Design/development of Solutions (GA-3)			X									
Conduct Investigations of complex Problems (GA-4)				X								
Modern Tool usage (GA-5)					X							
Engineering Society (GA-6)						X						
Environment &Sustainability (GA-7)							X					
Ethics (GA-8)								X				
Individual &Team Work (GA-9)									X			
Communication (GA-10)										X		
Project Management &Finance (GA-11)											X	
Life-long Learning (GA-12)												X

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Mapping of POs and PEOs

Programme Educational Objectives (PEOs)	Programme Outcomes (POs)											
	a	b	c	d	e	f	g	h	i	j	k	l
	<i>Application of basic knowledge (PO1)</i>	<i>Problem Analysis (PO2)</i>	<i>Experimental analysis (PO3)</i>	<i>Solving complex problems(PO4)</i>	<i>Modern Software tools (PO5)</i>	<i>The engineer & Society (PO6)</i>	<i>Environment & sustainability (PO7)</i>	<i>Ethics (PO8)</i>	<i>Team work (PO9)</i>	<i>Communication (PO10)</i>	<i>Project Management (PO11)</i>	<i>Lifelong learning(PO12)</i>
PEO-1	H	H	H	M	H	M	L	M	M	M	M	M
PEO-2	L	L	M	M	L	M	M	M	H	H	H	M
PEO-3	L	L	L	L	L	H	H	H	M	L	L	M
PEO-4	M	M	M	M	M	L	L	M	L	M	M	H

Programme Articulation Matrix

Sr. No.	Course Component	Code	Course	PEO1	PEO2	PEO3	PEO4
1	Mathematics	K70701	Engineering Mathematics-I	H			L
2		K70108	Engineering Mathematics-II	H			L
3		K70201	Engineering Mathematics-III	H			L
4	Science	K70102	Engineering Science-I				M
5		K70109	Engineering Science-II				M
6	Computing	K30113	Computer Fundamentals and Information Technology	L			H
7		K50204	Computational Techniques	L			H
8	Humanities	K20105	Environmental Studies			H	
9		K50310	Industrial Management and Humanities		H	H	
10	Core	K50201	Electronic Devices & Circuits	H	L		
11		K50202	Network Analysis	M			
12		K50203	Fundamentals of Instrumentation & Control			M	
13		K50207	Electronic Circuit	H	M		
14		K50209	Digital Electronics & Logic Design	H			M
15		K50208	Analog Communications	H			L
16		K50210	Linear Integrated Circuits	H			
17		K50211	Signals & Systems	H			L
18		K50301	Microprocessors & Micro controllers	H			M
19		K50302	Industrial Electronics	H			
20		K50303	Digital Communication	H			
21	K50304	Electronic Instruments & Measurement Systems	H			H	

Sr. No.	Course Component	Code	Course	PEO1	PEO2	PEO3	PEO4
22		K50305	ElectromagneticEngineering	H			L
23		K50306	Embedded Systems	H			
24		K50307	Digital Signal Processing	H			L
25		K50308	Power Electronics Devices & Circuits	H			
26		K50309	Circuit Design	H	M		
27		K50408	Electronic System Design	H			H
28		K50404	VLSI Design Technology	H			M
29		K50401	Wireless networks	H			L
30		K50402	Programmable Industrial Controllers	H		M	
31		K50403	Computer Networks	H			M
32		K50409	Biomedical Engineering	M		M	L
33		K50410	Fuzzy logic and Neural Network	M			M
34		K50406	Project stage-I		H	H	H
35		K50412	Project stage-II	H	H	H	H
36		K50407	Inplant Training		H	H	
37		Basic Engineering	K40112	Elements of Electrical and Electronics Engineering	H		
38	K60107		Workshop Practices-I	L			
39	K60114		Workshop Practices-II	L			
40	K20104		Elements of Civil Engineering	L		M	
41	K60106		Engineering Graphics-I	L			
42	K60111		Engineering Graphics-II	L			
43	K20110		Engineering Mechanics	L			
44	K60103		Elements of Mechanical Engineering	L			
45	Electives	K50405	Elective-I	M			M
46		K50411	Elective-II	M			M

Impact of Programme Courses on Programme Outcomes

Course Number & Title	Programme Outcomes (POs)											
	<i>Application of basic knowledge (PO1)</i>	<i>Problem Analysis (PO2)</i>	<i>Experimental analysis (PO3)</i>	<i>Solving complex problems(PO4)</i>	<i>Modern Software tools (PO5)</i>	<i>The engineer & Society (PO6)</i>	<i>Environment & sustainability (PO7)</i>	<i>Ethics (PO8)</i>	<i>Team work (PO9)</i>	<i>Communication (PO10)</i>	<i>Project Management (PO11)</i>	<i>Lifelong learning(PO12)</i>
	a	b	c	d	e	f	g	h	i	j	k	l
K70101: Engineering Mathematics I	H	H	M	H								
K70102: Engineering Science I	H			H		H	L	L	M	M		L
K60103: Elements of Mechanical Engineering	M	M	M	M				M	M	M		
K20104: Elements of Civil Engineering	M	M	M	M				M	M	M		
K20105: Environmental Studies	H					H	H					
K60106: Workshop Practice I	H			H				H	H	H		
K70108: Engineering Mathematics II	H	H	M	M								
K70109: Engineering Science II	H			H	H	H	H	H	H	H		H
K20110: Engineering Mechanics	M	M	M	M				M	M	M		
K60106 & K60111: Engineering Graphics –I & II	H		M	M					M			
K40112: Elements of Electrical and Electronics Engineering	H	H	H	H		H		H	H	H		
K30113: Computer Fundamentals and Information Technology	H		M	L	M							
K60114: Workshop Practice II– Laboratory course	H			H				H	H	H		

Course Number & Title	Programme Outcomes (POs)											
	<i>Application of basic knowledge (PO1)</i>	<i>Problem Analysis (PO2)</i>	<i>Experimental analysis (PO3)</i>	<i>Solving complex problems(PO4)</i>	<i>Modern Software tools (PO5)</i>	<i>The engineer & Society (PO6)</i>	<i>Environment & sustainability (PO7)</i>	<i>Ethics (PO8)</i>	<i>Team work (PO9)</i>	<i>Communication (PO10)</i>	<i>Project Management (PO11)</i>	<i>Lifelong learning(PO12)</i>
	a	b	c	d	e	f	g	h	i	j	k	l
K50411: Project Stage -2	H	H	H	M		L	M	L	M	M	H	
K50412: Implant Training	L						M	H		H	M	

