



# SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to JNTUH.

Recognized under 2(f) of UGC Act 1956.

Sheriguda (V), Ibrahimpatnam (M), R.R. Dist., Telangana-501 510.

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POs and COs Attainment Levels

A.Y : 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)	
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		
<b>I B.Tech-I Semester CSE-A</b>															
MA101BS	MATHEMATICS - I	1.35	1.95												2.7
CS103ES	PROGRAMMING FOR PROBLEM SOLVING	1.68	2.24	1.2											2.4
ME104ES	ENGINEERING GRAPHICS	2.7	2.7	2.7	2.7						1.8				2.7
AP102BS	APPLIED PHYSICS	2.33	2												2.35
<b>I B.Tech-II Semester CSE-A</b>															
MA201BS	MATHEMATICS - II	1.47	1.33												2.4
CH202BS	CHEMISTRY	2.54	2.34							2.7			1.8		2.7
EE203ES	BASIC ELECTRICAL ENGINEERING	2.4	1.73	0.96	1.92	0.96	0.96	0.96					0.96		2.88

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)	
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		
EN205HS	ENGLISH											2.7		0.9	2.7
<b>II B.Tech-I Semester CSE-A</b>															
CS301ES	ANALOG AND DIGITAL ELECTRONICS	1.07	2.4		1.4			0.8				1.6			2.4
CS304PC	COMPUTER ORGANIZATION AND ARCHITECTURE	1.23	1.85	1.09	0.82										2.47
MA303BS	COMPUTER ORIENTED STATISTICAL METHODS	2.1	2.25												2.7
CS302PC	DATA STRUCTURES	0.99	2.25	1.44		0.72									2.7
CS305PC	OBJECT ORIENTED PROGRAMMING USING C++	1.64	1.32	1.97		1.64	0.82							1.644	2.47
<b>II B.Tech-II Semester CSE-A</b>															
SM402MS	BUSINESS ECONOMICS & FINANCIAL ANALYSIS	2.27	2.00	1.40		1.20						1.80		1.28	2.4
CS402PC	DATABASE MANAGEMENT SYSTEMS	1.84	1.84	2.2	0.8	1.6		0.8						1.6	2.4
CS401PC	DISCRETE MATHEMATICS	1.60	1.28	2.08	1.60	1.60								0.80	2.4
CS405PC	JAVA PROGRAMMING	1.80	1.44	2.34	1.80	1.80	1.17							0.90	2.7
CS403PC	OPERATING SYSTEMS	1.07	2.40		1.40			0.80				1.60			2.4

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>III B.Tech-I Semester CSE-A</b>														
CS502PC	DATA COMMUNICATION AND COMPUTER NETWORKS	1.44	0.8	1.04		2				1.6	1.6	2	0.96	2.4
CS501PC	DESIGN AND ANALYSIS OF ALGORITHMS	1.07	2.4		1.4			0.8			1.6			2.4
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.55	2.25	1.58		1.35					2.03		1.44	2.7
CS502PC	SOFTWARE ENGINEERING	2.55	1.8	1.8		0.9							2.7	2.7
CS503PC	SCRIPTING LANGUAGES	2.55	2.25	1.58		1.35					2.025		1.44	2.7
<b>III B.Tech-II Semester CSE-A</b>														
CS601PC	COMPILER DESIGN	1.76	1.95		1.33	2.15				0.78		1.756		2.34
CS603PC	CRYPTOGRAPHY AND NETWORK SECURITY	1.28	0.88	0.88	0.56	0.4					0.24		0.24	2.4
CS611PE	MOBILE COMPUTING	2.27	1.6	1.33		1.6		0.96		0.8			1.333	2.4
CS602PC	WEB TECHNOLOGIES	1.2	1.87	1.87		1.2				0.8		0.8	1.2	2.4
CS604PC	INTELLECTUAL PROPERTY RIGHTS	1.33	3		1.75			1			2			3

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>IV B.Tech-I Semester CSE-A</b>														
CS742PE	CLOUD COMPUTING	1.71	1.8	2.7	0.9	0.9							2.52	2.7
CS701PC	DATA MINING	3.00	2.00	3.00										3
CS732PE	DISTRIBUTED SYSTEMS	1.8	1.8	2.1	1.8	1.35		0.9	0.9		1.8	1.35	2.1	2.7
CS702PC	PRINCIPLES OF PROGRAMMING LANGUAGES	2.25	1.8	1.65	1.8								1.8	2.7
CS721PE	PYTHON PROGRAMMING	2.65	1.77	2.65										2.65
<b>IV B.Tech-II Semester CSE-A</b>														
CS801PE	REAL TIME SYSTEMS	2.4	1.6	2.4										2.4
CS802PE	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	2.27	2	1.4		1.2					1.8		1.28	2.4
CS803PE	DISASTER MANAGEMENT	2	2.2	1.2	1.6			0.4			2.4		0.4	2.4
<b>POs &amp; COs Attainment Level</b>		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>COs</b>
		1.89	1.92	1.78	1.47	1.33	0.98	0.82	0.9	1.34	1.785	1.477	1.365	2.5627778

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heriguda(V), Ibrahimpatnam(M)  
R.R Dist. Telangana. -501 510



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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POs and COs Attainment Levels

A.Y : 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>I B.Tech-I Semester CSE-B</b>														
MA101BS	MATHEMATICS - I	1.8	1.95											2.7
CS103ES	PROGRAMMING FOR PROBLEM SOLVING	1.68	2.24	1.2										2.4
ME104ES	ENGINEERING GRAPHICS	2.7	2.7	2.7	2.7						1.8			2.7
AP102BS	APPLIED PHYSICS	2.33	2								1.5			2.05
<b>I B.Tech-II Semester CSE-B</b>														
MA201BS	MATHEMATICS - II	2.17	2.33											2.35
CH202BS	CHEMISTRY	2.31	2.4							2.77			1.34	2.77
EE203ES	BASIC ELECTRICAL ENGINEERING	2.4	1.73	0.96	1.92	0.96	0.96	0.96					0.96	2.88



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		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>III B.Tech-I Semester CSE-B</b>														
CS502PC	DATA COMMUNICATION AND COMPUTER NETWORKS	1.62	0.9	1.17		2.25				1.8	1.8	2.25	1.08	2.7
CS501PC	DESIGN AND ANALYSIS OF ALGORITHMS	1.2	2.7		1.58			0.9			1.8			2.7
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.55	2.25	1.58		1.35					2.03		1.44	2.7
CS502PC	SOFTWARE ENGINEERING	2.52	1.8	1.53		1.8							2.52	2.7
CS503PC	SCRIPTING LANGUAGES	2.55	2.25	1.58		1.35					2.025		1.44	2,70
<b>III B.Tech-II Semester CSE-B</b>														
CS601PC	COMPILER DESIGN	1.01	1.01		0.69	1.12				0.41		0.91		1.12
CS603PC	CRYPTOGRAPHY AND NETWORK SECURITY	1.28	0.88	0.88	0.56	0.4					0.24		0.24	2.4
CS611PE	MOBILE COMPUTING	2.27	1.6	1.33		1.6		0.96		0.8			1.333	2.4
CS602PC	WEB TECHNOLOGIES	1.2	1.87	2.27		1.2				0.8		0.8	1.2	2.4
CS604PC	INTELLECTUAL PROPERTY RIGHTS	1.33	3		1.75			1			2			3
<b>IV B.Tech-I Semester CSE-B</b>														

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CS742PE	CLOUD COMPUTING	1.52	1.6	2.4	0.8	0.8							2.24	2.4
CS701PC	DATA MINING	2.25	1.8	1.65	1.8								1.8	2.7
CS732PE	DISTRIBUTED SYSTEMS	1.8	1.8	2.1	1.8	1.35		0.9	0.9		1.8	1.35	2.1	2.7
CS702PC	PRINCIPLES OF PROGRAMMING	2.25	1.8	1.65	1.8								1.8	2.7
CS721PE	PYTHON PROGRAMMING	1.2	2.7		1.58			0.9			1.8			2.7
<b>IV B.Tech-II Semester CSE-B</b>														
CS801PE	REAL TIME SYSTEMS	1.75	1.93	1.05	1.4			0.35			2.1		0.35	2.1
CS802PE	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	1.07	2.4		1.4			0.8			1.6			2.4
CS803PE	DISASTER MANAGEMENT	2	2.2	1.2	1.6			0.4			2.4		0.4	2.4
POs & COs Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	COs
		1.79	1.92	1.66	1.43	1.33	0.97	0.83	0.9	1.32	1.825	1.328	1.306	2.4762857

  
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 Sri Indu Institute of Engineering & Tech.  
 Sheriguda(V), Ibrahimpatnam(M)  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POs and COs Attainment Levels

A.Y : 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>I B.Tech-I Semester CSE-C</b>														
MA101BS	MATHEMATICS - I	2.17	2.3											3
CS103ES	PROGRAMMING FOR PROBLEM SOLVING	1.68	2.24	1.2										2.4
ME104ES	ENGINEERING GRAPHICS	2.7	2.7	2.7	2.7						1.8			2.4
AP102BS	APPLIED PHYSICS	1.87	1.6											2.4
<b>I B.Tech-II Semester CSE-C</b>														
MA201BS	MATHEMATICS - II	2.25	2.4											2.7
CH202BS	CHEMISTRY	2.06	2.14							2.47			1.64	2.47
EE203ES	BASIC ELECTRICAL ENGINEERING	2.15	1.55	0.86	1.72	0.86	0.86	0.86					0.86	2.58


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		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EN205HS	ENGLISH										2.7		0.9	2.7
<b>II B.Tech-I Semester CSE-C</b>														
CS301ES	ANALOG AND DIGITAL ELECTRONICS	1.5	2.89		1.4			1.2			1.9			2.35
CS304PC	COMPUTER ORGANIZATION AND ARCHITECTURE	1.03	1.54	0.91	0.68									2.05
MA303BS	COMPUTER ORIENTED STATISTICAL METHODS	2.01	2.15											2.58
CS302PC	DATA STRUCTURES	0.99	2.25	1.44		0.72								2.7
CS305PC	OBJECT ORIENTED PROGRAMMING USING C++	1.52	1.37	2.13		1.52	0.76						1.522	2.28
<b>II B.Tech-II Semester CSE-C</b>														
SM402MS	BUSINESS ECONOMICS & FINANCIAL ANALYSIS	2.27	2.00	1.40		1.20					1.80		1.28	2.4
CS402PC	DATABASE MANAGEMENT SYSTEMS	2.07	2.07	2.48	0.9	1.8		0.9					1.8	2.7
CS401PC	DISCRETE MATHEMATICS	1.6	1.28	2.08	1.6	1.6							0.8	2.4
CS405PC	JAVA PROGRAMMING	1.52	1.22	1.98	1.52	1.52	0.99						0.76	2.28
CS403PC	OPERATING SYSTEMS	1.80	2.10	2.16	0.90	1.50						2.70	0.90	2.7

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>III B.Tech-I Semester CSE-C</b>														
CS502PC	DATA COMMUNICATION AND COMPUTER		1.8		1.8	2.25	1.8	0.9				1.35	1.4	2.7
CS501PC	DESIGN AND ANALYSIS OF ALGORITHMS	1.15	2.58		1.51			0.86			1.722			2.58
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.55	2.25	1.58		1.35					2.03		1.44	2.7
CS502PC	SOFTWARE ENGINEERING	2.55	1.8	1.8		0.9							2.7	2.7
CS503PC	SCRIPTING LANGUAGES	2.83	2.5	1.75		1.5					2.25		1.6	3
<b>III B.Tech-II Semester CSE-C</b>														
CS601PC	COMPILER DESIGN	1.76	1.95		1.33	2.15				0.78		1.756		2.34
CS603PC	CRYPTOGRAPHY AND NETWORK SECURITY	1.28	0.88	0.88	0.56	0.4					0.24		0.24	2.4
CS611PE	MOBILE COMPUTING	2.27	1.6	1.33		1.6		0.96		0.8			1.333	2.4
CS602PC	WEB TECHNOLOGIES	1.08	1.2	1.69		1.08				0.72		0.72	1.08	2.17
CS604PC	INTELLECTUAL PROPERTY RIGHTS	1.33	3		1.75			1			2			3
<b>IV B.Tech-I Semester CSE-C</b>														

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CS742PE	CLOUD COMPUTING	1.9	2	3	1	1							2.8	2.4
CS701PC	DATA MINING	2.7	1.8	2.7										2.7
CS732PE	DISTRIBUTED SYSTEMS	1.8	1.8	2.1	1.8	1.35		0.9	0.9		1.8	1.35	2.1	2.7
CS702PC	PRINCIPLES OF PROGRAMMING	2	1.6	1.46	1.6								1.6	2.4
CS721PE	PYTHON PROGRAMMING	1.96	2.15	1.18	1.57			0.39			2.35		0.392	2.35
<b>IV B.Tech-II Semester CSE-C</b>														
CS801PE	REAL TIME SYSTEMS	2	2.2	1.2	1.6			0.4			2.4		0.4	2.4
CS802PE	WEB SERVICES AND SERVICE ORIENTED	1.07	2.4		1.4			0.8			1.6			2.4
CS803PE	DISASTER MANAGEMENT	2	2.2	1.2	1.6			0.4			2.4		0.4	2.4
<b>POs &amp; COs Attainment Level</b>		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>COs</b>
		1.86	1.99	1.72	1.45	1.35	1.1	0.8	0.9	1.19	1.928	1.575	1.27	2.5230556

  
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## DEPARTMENT OF MECHANICAL ENGINEERING

POs and COs Attainment Levels

A.Y : 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>I B.Tech-I Semester MECH-A</b>														
MA101BS	Mathematics - I	1.95	2.1											2.7
PH102BS	Engineering Physics	2.7	1.8								1.35			2.7
CS103ES	Programming for Problem Solving	1.68	2.24	1.2										2.4
ME104ES	Engineering Graphics	2.4	2.4	2.4	2.4						1.6			2.4
<b>I B.Tech-II Semester MECH-A</b>														
MA201BS	Mathematics - II	0.89	0.96											1.2
CH202BS	Chemistry	2	2.08							2.4			1.6	2.4
ME203ES	Engineering Mechanics	2.4	1.87	1.44	1.07		1.6							2.4

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EN205HS	English										3		1	2.7
<b>II B.Tech-I Semester MECH-A</b>														
MA301BS	Probability and Statistics & Complex Variables	1.2	2.13											2.4
ME302PC	Mechanics of Solids	2.07	2.37	2.58										2.58
ME303PC	Material Science and Metallurgy	2.05	1.37					1.37						2.05
ME304PC	Production Technology	2.41	1.61	2.41										2.41
ME305PC	Thermodynamics	1.04	2.34					0.78			1.56			2.34
<b>II B.Tech-II Semester MECH-A</b>														
EE401ES	Basic Electrical and Electronics Engineering	1.5	1.9		1.6	1.6		2.4		0.8		0.8		2.4
ME402PC	Kinematics of Machinery	2.47	1.64	1.64										2.47
ME403PC	Thermal Engineering - I	1.07	2.4		1.4			0.8			1.6			2.4
ME404PC	Fluid Mechanics and Hydraulic Machines	2.70	1.80	2.70										2.7
ME405PC	Instrumentation and Control Systems	2.13	2.27	1.87					1.76			2.40	2.40	2.4
<b>III B.Tech-I Semester MECH-A</b>														

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
SM504MS	Fundamentals Of Management	2.4	1.2	2	1.6		1.6		1.6	2.4	1.6	1.6	0.8	2.4
CE511OE	Disaster Management	2.4		2.1				1.98				2.5		2.7
ME501PC	Design Of Machine Members-I	2.23	1.49	1.49										2.23
ME503PC	Metrology & Machine Tools	2.64	1.76	2.64										2.64
ME502PC	Thermal Engineering-I	1.07	2.42		1.41			0.81			1.61			2.42
<b>III B.Tech-II Semester MECH-A</b>														
ME601PC	Thermal Engineering –II	2.3	2	2.4	2.2	2.3			2.2			2.2		3
ME602PC	Design of Machine Members-II	1.41	1.57	2.04										2.35
ME603PC	Heat Transfer	2.27	1.6	2		1.6							0.8	2.4
ME612PE	Refrigeration and Air Conditioning	3	2	3										3
MT512OE	Intellectual Property Rights	1.2	1.2		1.6	1.6	1.84	2.4	1.84	0.8	0.8	0.8		2.4
<b>IV B.Tech-I Semester MECH-A</b>														
ME701PC	CAD/CAM	2.33	1.5	2.5	2	2.5				2		2		3
ME702PC	Instrumentation and Control System	2.4	2.55	2.1				1.98				2.7	2.7	2.7

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
ME723PE	Power Plant Engineering	3	2	3										3
ME734PE	CNC Technology	2.7	1.8	2.7										2.7
ME744PE	Additive Manufacturing Technology	2.2	1.8	2.2	1.45	2.4			2.6			2		3
<b>IV B.Tech-II Semester MECH-A</b>														
CE833OE	Entrepreneurship and Small BusinessEnterprises	2.64		2.64					2.33			2.44		2.7
ME854PE	Production Planning and Control	1.87	1.2	2	1.6	2			1.6			1.6		2.4
ME863PE	Unconventional Machining Processes	1.87	2		1.2	1.07							1.33	2.4
<b>Pos &amp; COs Attainment Level</b>		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>COs</b>
		2.07	1.86	2.22	1.63	1.88	1.68	1.57	1.99	1.68	1.64	1.913	1.519	2.51361111

  
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Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
ME403PC	Thermal Engineering - I	1.01	2.28		1.33			0.76			1.52			2.28
ME404PC	Fluid Mechanics and Hydraulic Machines	2.40	1.60	2.40										2.4
ME405PC	Instrumentation and Control Systems	2.40	2.55	2.10				1.98				2.70	2.70	2.7
<b>III B.Tech-I Semester MECH-B</b>														
SM504MS	Fundamentals Of Management	3	1.5	2.5	2		2		2	3	2	2	1	3
CE511OE	Disaster Management	2.4		2.1				1.98				2.5		2.7
ME501PC	Design Of Machine Members-I	2.88	1.92	1.92										2.88
ME503PC	Metrology & Machine Tools	2.7	1.8	2.7										2.7
ME502PC	Thermal Engineering-I	1.15	2.58		1.51			0.86			1.72			2.58
<b>III B.Tech-II Semester MECH-B</b>														
ME601PC	Thermal Engineering –II	2.2	1.8	2.4	2.1	2.4			2.2			2.2		3
ME602PC	Design of Machine Members-II	1.55	1.72	2.24										2.58
ME603PC	Heat Transfer	2.27	1.6	2		1.6							0.8	2.4
ME612PE	Refrigeration and Air Conditioning	2.7	1.8	2.7										2.7
MT512OE	Intellectual Property Rights	1.5	1.5		2	2	2.33	3	2.33	1	1	1		3

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>IV B.Tech-I Semester MECH-B</b>														
ME701PC	CAD/CAM	2.33	1.5	2.5	2	2.5			2			2		3
ME702PC	Instrumentation and Control System	2.4	2.55	2.1				1.98				2.7	2.7	2.7
ME723PE	Power Plant Engineering	3	2	3										3
ME734PE	CNC Technology	2.7	1.8	2.7										2.7
ME744PE	Additive Manufacturing Technology	2.2	1.8	2.4	2.1	2.5			2.2			2.2		3
<b>IV B.Tech-II Semester MECH-B</b>														
CE833OE	Entrepreneurship and Small BusinessEnterprises	2.64		2.64					2.33			2.44		2.4
ME854PE	Production Planning and Control	1.87	1.2	2	1.6	2			1.6			1.6		2.4
ME863PE	Unconventional Machining Processes	1.87	2		1.2	1.07							1.33	2.4
<b>Pos &amp; COs Attainment Level</b>		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>COs</b>
		2.18	1.91	2.39	1.74	1.96		1.7	2.09		1.56	2.013	1.706	2.66571429

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## DEPARTMENT OF CIVIL ENGINEERING

POs and COs Attainment Levels

A.Y : 2019-20


Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>I B.Tech-I Semester CIVIL</b>														
MA101BS	MATHEMATICS - I	1.73	1.87											2.4
PH102BS	ENGINEERING PHYSICS	2.7	1.8								1.35			2.7
CS103ES	PROGRAMMING FOR PROBLEM SOLVING	1.65	2.19	1.18										2.35
ME104ES	ENGINEERING GRAPHICS	2.58	2.58	2.58	2.58						1.72			2.58
<b>I B.Tech-II Semester CIVIL</b>														
MA201BS	Mathematics - II	1.56	1.69											2.17
CH202BS	Chemistry	2	2.08							2.4			1.6	2.4
ME203ES	Engineering Mechanics	2.4	1.87	1.44	1.07		1.6						1.12	2.4

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EN205HS	English										2.4		0.8	2.4
<b>II B.Tech-I Semester CIVIL</b>														
CE302PC	ENGINEERING GEOLOGY	2.25	0.90	0.90	0.90	0.90	0.90	1.44		0.90	0.90	0.90	1.50	2.7
CE305PC	FLUID MECHANICS	2.13	1.33	2.24		1.92	2.24		1.92			1.92	1.76	2.40
MA304BS	PROBABILITY AND STATISTICS	1.2	2.13											2.4
CE303PC	STRENGTH OF MATERIALS - I	2.27	1.6	1		0.8		0.8		0.4			1.333	2.4
CE301PC	SURVEYING AND GEOMATICS	2.11	1.49		1.12	1.49		0.89		0.74			1.241	2.23
<b>II B.Tech-II Semester CIVIL</b>														
EE401ES	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	1.87	1.73	0.80			2.00	0.80					0.80	2.4
CE402ES	BASIC MECHANICAL ENGINEERING FOR CIVIL ENGINEERS	2.17	2.67	2.00								2.00	1.50	3
CE403PC	BUILDING MATERIALS, CONSTRUCTION AND PLANNING	2.34	1.8	1.98		1.35		1.26		0.9			1.35	2.7
CE405PC	HYDRAULICS AND HYDRAULIC MACHINERY	2.25	1.80	2.03	2.70								2.10	2.7
CE404PC	STRENGTH OF MATERIALS - II	2.10	1.95	0.68									0.90	2.7

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CE406PC	STRUCTURAL ANALYSIS - I	2.17	2.67	1.00									1.50	3
<b>III B.Tech-I Semester CIVIL</b>														
CE501PC	CONCRETE TECHNOLOGY	2.52	1.8	1.44	1.62	0.9						0.9	2.25	2.7
CE502PC	DESIGN OF REINFORCED CONCRETE STRUCTURES		1.6	1.2		1.2		0.96		0.8	1.6		1.33	2.4
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.4		1.2	1.6		1.6		1.6	2.4	1.6		0.8	2.4
CE503PC	WATER RESOURCES ENGINEERING	2.24	1.60	1.28	1.44	0.80						0.80	2.00	2.4
ME514OE	FUNDAMENTALS OF MECHANICAL ENGINEERING	2.37	2						2					3
<b>III B.Tech-II Semester CIVIL</b>														
CE601PC	DESIGN OF STEEL STRUCTURES		2.5	1.4		1.67		1.4		1			1.833	3
CE602PC	ENVIRONMENTAL ENGINEERING	0.9	2.7	2.16	2.16	1.8		1.35	0.9		1.8			2.7
CE613PE	GROUND WATER DEVELOPMENT AND MANAGEMENT	2.8	2	1.2		2		1.3					1.8	3
CE603PC	SOIL MECHANICS	2.4	1.33	2.4		1.92	2.4		1.92			1.8	1.76	2.4
ME623OE	FABRICATION PROCESSES	2.33	2.00	1.67	1.80								1.67	3

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>IV B.Tech-I Semester CIVIL</b>														
CE702PC	ESTIMATION QUANTITY SURVEYING AND VALUATION	1.81	1.81	1.2		1.44		0.87		0.72			1.444	2.17
CE723PE	FOUNDATION ENGINEERING	1.95	2.4	1.35	2.7								1.35	2.7
CE733PE	GROUND IMPROVEMENT TECHNIQUES	3	2.8	2.8	2					2	2	1	2	3
CE741PE	TRAFFIC ENGINEERING	2.5	2.5	1.67		2.5		1.67		1.67			2	3
CE701PC	TRANSPORTATION ENGINEERING	2.4	1.8	2.25	2.7				2.4			2.025	2.34	2.7
<b>IV B.Tech-II Semester CIVIL</b>														
CE864PE	INDUSTRIAL WASTE WATER TREATMENT	2.55	1.8	1.5		1.8		1.2					1.65	2.7
CE851PE	WASTE MANAGEMENT	1.8	1.8	1.5		1.8		1.2					1.65	2.7
ME831OE	TOTAL QUALITY MANAGEMENT						1.44		1.08			1.95	1.26	2.7
<b>Pos &amp; COs Attainment Level</b>		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	COs
		2.16	1.96	1.57	1.88	1.52	1.74	1.16	1.69	1.27	1.671	1.477	1.54	2.6135135

  
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### DEPARTMENT OF CIVIL ENGINEERING

#### POs and COs Attainment Levels

A.Y : 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>II B.Tech-I Semester CIVIL</b>														
CE302PC	ENGINEERING GEOLOGY	2.25	0.90	0.90	0.90	0.90	0.90	1.44		0.90	0.90	0.90	1.50	2.7
CE305PC	FLUID MECHANICS	2.40	1.50	2.52		2.16	2.52		2.16			2.16	1.98	2.70
MA304BS	PROBABILITY AND STATISTICS	1.35	2.4											2.7
CE303PC	STRENGTH OF MATERIALS - I	2.83	2	1.25		1		1		0.5			1.667	3
CE301PC	SURVEYING AND GEOMATICS	2.55	1.8		1.35	1.8		1.08		0.9			1.5	2.7
<b>II B.Tech-II Semester CIVIL</b>														
EE401ES	BASIC ELECTRICAL AND ELECTRONICS ENGINEERING	2.33	2.17	1.00				2.50	1.00				1.00	3



Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CE402ES	BASIC MECHANICAL ENGINEERING FOR CIVIL ENGINEERS	1.95	2.40	1.80								1.80	1.35	2.7
CE403PC	BUILDING MATERIALS, CONSTRUCTION AND PLANNING	2.08	1.6	1.76		1.2		1.12		0.8			1.2	2.4
CE405PC	HYDRAULICS AND HYDRAULIC MACHINERY	2.25	1.80	2.03	2.70								2.10	2.7
CE404PC	STRENGTH OF MATERIALS - II	2.10	1.95	0.90			2.25	0.90					0.90	2.7
CE406PC	STRUCTURAL ANALYSIS - I	1.87	1.73	0.80			2.00	0.80					0.80	2.4
<b>III B.Tech-I Semester CIVIL</b>														
CE501PC	CONCRETE TECHNOLOGY	2.52	1.8	1.44	1.62	0.9						0.9	2.25	2.7
CE502PC	DESIGN OF REINFORCED CONCRETE STRUCTURES		2	1.5		1.5		1.2		1	2		1.67	3
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.7		1.35	1.8		1.8		1.8	2.7	1.8		0.9	2.7
CE503PC	WATER RESOURCES ENGINEERING	2.3	1.87	1.2	1.71	1.2						0.9	1.304	2.35
ME514OE	FUNDAMENTALS OF MECHANICAL ENGINEERING	2.04	1.72						1.72					2.58
<b>III B.Tech-II Semester CIVIL</b>														
CE601PC	DESIGN OF STEEL STRUCTURES	2.7	1.8	2.7	1.8		2.7	1.8				1.8	1.8	2.7

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CE602PC	ENVIRONMENTAL ENGINEERING	0.9	2.7	2.16	2.16	1.8		1.35	0.9		1.8			2.7
CE613PE	GROUND WATER DEVELOPMENT AND MANAGEMENT	2.52	1.8	1.08		1.8		1.17					1.62	2.7
CE603PC	SOIL MECHANICS	2.7	1.5	2.7		2.16	2.7		2.16			2.025	1.98	2.4
ME623OE	FABRICATION PROCESSES	2.10	1.80	1.50	1.62								1.50	2.7
<b>IV B.Tech-I Semester CIVIL</b>														
CE702PC	ESTIMATION QUANTITY SURVEYING AND VALUATION	2.25	2.25	1.5		1.8		1.08		0.9			1.8	2.7
CE723PE	FOUNDATION ENGINEERING	1.74	2.14	1.2	2.41								1.204	2.41
CE733PE	GROUND IMPROVEMENT TECHNIQUES	3	2.8	2.8	2					2	2	1	2	3
CE741PE	TRAFFIC ENGINEERING	2.25	2.25	1.5		2.25		1.5		1.5			1.8	2.7
CE701PC	TRANSPORTATION ENGINEERING	2.30	1.72	2.15	2.58				2.30			1.94	2.24	2.58
<b>IV B.Tech-II Semester CIVIL</b>														
CE864PE	INDUSTRIAL WASTE WATER TREATMENT	2.55	1.8	1.5		1.8		1.2					1.65	2.7
CE851PE	WASTE MANAGEMENT	1.8	1.8	1.5		1.8		1.2					1.65	2.7
ME831OE	TOTAL QUALITY MANAGEMENT						1.44		1.08			1.95	1.26	2.7

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
Pos & COs Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	COs
		2.23	1.93	1.63	1.89	1.6	2.09	1.19	1.73	1.24	1.7	1.537	1.562	2.68

  
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

POs and COs Attainment Levels

A.Y: 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>I B.Tech-I Semester ECE-A</b>														
MA101BS	MATHEMATICS - I	2	1.8											3
CS103ES	PROGRAMMING FOR PROBLEM SOLVING	2.02	2.69	1.44										2.8
ME104ES	ENGINEERING GRAPHICS	1.95	1.95	1.95	1.95						1.3			1.95
AP102BS	APPLIED PHYSICS	2.1	1.8											2.7
<b>I B.Tech-II Semester ECE-A</b>														
MA201BS	MATHEMATICS - II	2.33	2.67											2.4
CH202BS	CHEMISTRY	2	2.08							2.4			1.6	2.4
EE203ES	BASIC ELECTRICAL ENGINEERING	2.5	1.8	1	2	1	1	1					1	3

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EN205HS	ENGLISH										2.4		0.8	2.4
<b>II B.Tech-I Semester ECE-A</b>														
EC303PC	DIGITAL SYSTEM DESIGN	3	2	3										3
EC301PC	ELECTRONIC DEVICES AND CIRCUITS	1.62	2.03	2.40	1.80	0.90								2.70
EC302PC	NETWORK ANALYSIS AND TRANSMISSION LINES	2.72	2.31	1.92	0.96	1.92							0.96	2.88
EC305PC	PROBABILITY THEORY AND STOCHASTIC PROCESSES	1.44	2.17		1.26						1.444			2.17
EC304PC	SIGNALS AND SYSTEMS	2	1.27	1.41		1.18								2.12
<b>II B.Tech-II Semester ECE-A</b>														
EC402PC	ELECTROMAGNETIC FIELDS AND WAVES	2.22	1.57	1.31										2.35
EC405PC	ELECTRONIC CIRCUIT ANALYSIS	1.62	2.03	2.4	1.8	0.9								2.7
MA401BS	LAPLACE TRANSFORMS, NUMERICAL METHODS &	1.2	2.7		1.58			0.9			1.8			2.7
EC404PC	LINEAR IC APPLICATIONS	2.70	2.25	1.80										2.7
EC403PC	ANALOG & DIGITAL COMMUNICATIONS	2.25	1.62	2.10	1.62	2.10	1.80	1.80				1.35	0.90	2.7

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>III B.Tech-I Semester ECE-A</b>														
EC503PC	DIGITAL COMMUNICATIONS	1.8	1.95	1.95	1.5	2.1	1.95					1.35	1.2	2.7
EC501PC	ELECTROMAGNETIC THEORY AND TRANSMISSION LINES	1.36	2.23		1.3			0.74			1.489			2.23
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.17	2	2.25	2	2.2							1.6	3
EC502PC	LINEAR AND DIGITAL IC APPLICATIONS	1.25	1.25	1.25	0.96	0.96	0.96				1.922			2.88
EC611PE	OPERATING SYSTEMS	2.33	2.17	2.5	2.33	2.5							3	3
<b>III B.Tech-II Semester ECE-A</b>														
EC601PC	ANTENNAS AND WAVE PROPAGATION	1.20	2.70		1.58			0.90			1.80			2.7
EC612PE	DIGITAL IMAGE PROCESSING	2.1	2.25	2.1	2.25	1.8				2.1		1.8	1.8	2.7
EC603PC	DIGITAL SIGNAL PROCESSING	1.68	1.6	2.4		1.6							0.8	2.4
EC602PC	MICROPROCESSORS AND MICROCONTROLLERS	1.92	1.92	1.92	1.92	1.92	1.92						1.922	2.88
CS6210E	JAVA PROGRAMMING	3	3	3	3	2	3				2.5		3	3
<b>IV B.Tech-I Semester ECE-A</b>														

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EC744PE	ARTIFICIAL INTELLIGENCE	3	3	2.67	3	2							2.75	3
EC721PE	COMPUTER NETWORKS	1.72	1.72	1.44		2.15				1.72	1.894		1.722	2.58
EC734PE	EMBEDDED SYSTEM DESIGN	2.7	2.7	2.4	2.7	1.8							2.475	2.7
EC701PC	MICROWAVE ENGINEERING	2.5	2.33	2	2.17	2					2		2.25	3
EC702PC	VLSI DESIGN	1.72		1.18		0.78			1.57			2.35		2.7
<b>IV B.Tech-II Semester ECE-A</b>														
EC863PE	GLOBAL POSITIONING SYSTEM	2.7	2.7	2.7	2.7	1.8	2.7				2.25		2.7	2.7
EC853PE	OPTICAL COMMUNICATIONS	2.19	1.96		2.04			2.35			1.828			2.7
CS8310E	LINUX PROGRAMMING	2.7	1.8	2.4	1.8	2.7							2.7	2.7
<b>POs &amp; COs Attainment Level</b>		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>COs</b>
		2.11	2.12	2.03	1.92	1.73	1.9	1.28	1.57	2.07	1.886	1.713	1.843	2.6733333

  
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

POs and COs Attainment Levels

A.Y: 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>I B.Tech-I Semester ECE-B</b>														
MA101BS	MATHEMATICS - I	1.8	1.65											2.7
CS103ES	PROGRAMMING FOR PROBLEM SOLVING	2.1	2.8	1.5										3
ME104ES	ENGINEERING GRAPHICS	2.7	2.7	2.7	2.7	2.7					1.8			2.7
AP102BS	APPLIED PHYSICS	2.1	1.8											2.7
<b>I B.Tech-II Semester ECE-B</b>														
MA201BS	MATHEMATICS - II	1.87	2.13											2.4
CH202BS	CHEMISTRY	2	2.08							2.4			1.6	2.4
EE203ES	BASIC ELECTRICAL ENGINEERING	2.5	1.8	1	2	1	1	1					1	3



Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EN205HS	ENGLISH										2.7		0.9	2.7
<b>II B.Tech-I Semester ECE-B</b>														
EC303PC	DIGITAL SYSTEM DESIGN	2.7	1.8	2.7										2.7
EC301PC	ELECTRONIC DEVICES AND CIRCUITS	1.80	2.25	2.67	2.00	1.00								3.00
EC302PC	NETWORK ANALYSIS AND TRANSMISSION LINES	2.72	2.31	1.92	0.96	1.92							0.96	2.88
EC305PC	PROBABILITY THEORY AND STOCHASTIC PROCESSES	1.8	2.7		1.58						1.8			2.7
EC304PC	SIGNALS AND SYSTEMS	2.55	1.62	1.8		1.5								2.7
<b>II B.Tech-II Semester ECE-B</b>														
EC402PC	ELECTROMAGNETIC FIELDS AND WAVES	2.55	1.80	1.50										2.7
EC405PC	ELECTRONIC CIRCUIT ANALYSIS	1.95	2.55	1.65	0.9									2.7
MA401BS	LAPLACE TRANSFORMS, NUMERICAL METHODS &	1.8	2.1											2.7
EC404PC	LINEAR IC APPLICATIONS	2.70	1.80	2.70										2.7
EC403PC	ANALOG & DIGITAL COMMUNICATIONS	2.40	1.80	1.62	1.50	2.03	1.35	1.35				1.35	0.90	2.7

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>III B.Tech-I Semester ECE-B</b>														
EC503PC	DIGITAL COMMUNICATIONS	2.25	2.1	1.8	1.62	1.5	1.5					1.35	1.2	2.7
EC501PC	ELECTROMAGNETIC THEORY AND TRANSMISSION LINES	1.89	1.33	0.89	0.67									2
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.03	2.25	1.8	1.8	1.8						1.44		2.7
EC502PC	LINEAR AND DIGITAL IC APPLICATIONS	1.72	1.72	1.72	0.86	0.86	0.86						1.722	2.58
EC611PE	OPERATING SYSTEMS	2.1	1.95	2.25	2.1	2.25							2.7	2.7
<b>III B.Tech-II Semester ECE-B</b>														
EC601PC	ANTENNAS AND WAVE PROPAGATION	1.20	2.70		1.58			0.90			1.80			2.7
EC612PE	DIGITAL IMAGE PROCESSING	2.1	2.25	2.1	2.25	1.8				2.1		1.8	1.8	2.7
EC603PC	DIGITAL SIGNAL PROCESSING	1.95	1.8	2.7		1.8							0.9	2.7
EC602PC	MICROPROCESSORS AND MICROCONTROLLERS	2.00	2.00	2.00	2.00	2.00	2.00						2.00	3
CS6210E	JAVA PROGRAMMING	2.7	2.7	2.7	2.7	1.8	2.7				2.25		2.7	2.7
<b>IV B.Tech-I Semester ECE-B</b>														

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EC744PE	ARTIFICIAL INTELLIGENCE	2.7	2.7	2.4	2.7	1.8							2.475	2.7
EC721PE	COMPUTER NETWORKS	1.8	1.8	1.5		2.25				1.8	1.98		1.8	2.7
EC734PE	EMBEDDED SYSTEM DESIGN	2.7	2.7	2.4	2.7	1.8							2.475	2.7
EC701PC	MICROWAVE ENGINEERING	2.15	2.01	1.72	1.87	1.72					1.722		1.938	2.58
EC702PC	VLSI DESIGN	2.48		1.98		0.90			1.35			2.70		2.7
<b>IV B.Tech-II Semester ECE-B</b>														
EC863PE	GLOBAL POSITIONING SYSTEM	2.7	2.7	2.7	2.7	1.8	2.7				2.25		2.7	2.7
EC853PE	OPTICAL COMMUNICATIONS	2.19	1.96		2.04			2.35			1.828			2.35
CS8310E	LINUX PROGRAMMING	2.7	1.8	2.4	1.8	2.7							2.7	2.7
POs & COs Attainment Level		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	COs
		2.21	2.12	2.03	1.86	1.76	1.73	1.4	1.35	2.1	2.014	1.8	1.785	2.6858333

  
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Sherguda(V), Ibrahimpatnam(M),  
R.R. Dist. Telangana -501 510



# SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to JNTUH.

Recognized under 2(f) of UGC Act 1956.

Sheriguda (V), Ibrahimpatnam (M), R.R. Dist., Telangana-501 510.

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

POs and COs Attainment Levels

A.Y : 2019-20

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
<b>I B.Tech-I Semester ECE-C</b>														
MA101BS	MATHEMATICS - I	1.95	2.1											2.7
CS103ES	PROGRAMMING FOR PROBLEM SOLVING	1.94	2.58	1.38										2.77
ME104ES	ENGINEERING GRAPHICS	2.7	1.8	2.7										2.7
AP102BS	APPLIED PHYSICS	2.1	1.8											2.7
<b>I B.Tech-II Semester ECE-C</b>														
MA201BS	MATHEMATICS - II	2	2.3											2.4
CH202BS	CHEMISTRY	2.25	2.34							2.7			1.8	2.7
EE203ES	BASIC ELECTRICAL ENGINEERING	2.5	1.8	1	2	1	1	1					1	3

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EN205HS	ENGLISH										2.7		0.9	2.7
<b>II B.Tech-I Semester ECE-C</b>														
EC303PC	DIGITAL SYSTEM DESIGN	2.7	1.8	2.7										2.7
EC301PC	ELECTRONIC DEVICES AND CIRCUITS	1.37	1.71	2.03	1.52	0.76								2.28
EC302PC	NETWORK ANALYSIS AND TRANSMISSION LINES	2.72	2.31	1.92	0.96	1.92							0.96	2.88
EC305PC	PROBABILITY THEORY AND STOCHASTIC PROCESSES	1.64	2.47		1.44						1.644			2.47
EC304PC	SIGNALS AND SYSTEMS	2.55	1.62	1.8		1.5								2.7
<b>II B.Tech-II Semester ECE-C</b>														
EC402PC	ELECTROMAGNETIC FIELDS AND WAVES	2.55	1.80	1.50										2.7
EC405PC	ELECTRONIC CIRCUIT ANALYSIS	1.87	2.44	1.58	0.86									2.58
MA401BS	LAPLACE TRANSFORMS, NUMERICAL METHODS &	1.8	2.1											2.7
EC404PC	LINEAR IC APPLICATIONS	2.70	2.25	1.80										2.7
EC403PC	ANALOG & DIGITAL COMMUNICATIONS	2.67	2.00	1.80	1.67	2.25	1.50	1.50				1.50	1.00	3
<b>III B.Tech-I Semester ECE-C</b>														

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EC503PC	DIGITAL COMMUNICATIONS	2.25	2.1	1.8	1.62	1.5	1.5					1.35	1.2	2.7
EC501PC	ELECTROMAGNETIC THEORY AND TRANSMISSION LINES	1.44	2.35		1.37			0.78			1.567			2.35
SM504MS	FUNDAMENTALS OF MANAGEMENT	2.03	2.25	1.8	1.8	1.8							1.44	2.7
EC502PC	LINEAR AND DIGITAL IC APPLICATIONS	2.7	2.25	1.8										2.7
EC611PE	OPERATING SYSTEMS	2.1	1.95	2.25	2.1	2.25							2.7	2.7
<b>III B.Tech-II Semester ECE-C</b>														
EC601PC	ANTENNAS AND WAVE PROPAGATION	1.31	1.44	2.35	0.78									2.35
EC612PE	DIGITAL IMAGE PROCESSING	1.98	2.7	2.7	1.58			0.9			1.8			2.7
EC603PC	DIGITAL SIGNAL PROCESSING	2.17	2	3		2							1	3
EC602PC	MICROPROCESSORS AND MICROCONTROLLERS	1.8	1.8	1.8	1.8	1.8	1.8						1.8	2.7
CS621OE	JAVA PROGRAMMING	2.7	2.7	2.7	2.7	1.8	2.7				2.25		2.7	2.7
<b>IV B.Tech-I Semester ECE-C</b>														
EC744PE	ARTIFICIAL INTELLIGENCE	2.58	2.58	2.3	2.58	1.72							2.368	2.58

Code	Subject	Program Outcomes (PO's)												Course Outcomes (Cos)
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
EC721PE	COMPUTER NETWORKS	2.00	2.00	1.67		2.50				2.00	2.20		2.00	3
EC734PE	EMBEDDED SYSTEM DESIGN	1.33	3		1.75			1			2			3
EC701PC	MICROWAVE ENGINEERING	2.15	2.01	1.72	1.87	1.72					1.722			2.58
EC702PC	VLSI DESIGN	2.48		1.98		0.9			1.35			2.7		2.7
<b>IV B.Tech-II Semester ECE-C</b>														
EC863PE	GLOBAL POSITIONING SYSTEM	3	3	3	3	2	3				2.5	3		3
EC853PE	OPTICAL COMMUNICATIONS	2.52	2.25		2.34			2.7			2.1			2.7
CS8310E	LINUX PROGRAMMING	2.1	1.65	1.65	1.5	1.8	2.1				2.25		2.475	2.7
<b>POs &amp; COs Attainment Level</b>		<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>COs</b>
		2.19	2.15	2.03	1.76	1.72	1.94	1.31	1.35	2.35	2.067	2.138	1.667	2.7011111

  
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Cheriguda(V), Ibrahimpatnam(M).  
R.R. Dist. Telangana -501 510