



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**UNIVERSITY COLLEGE OF ENGINEERING JAGTIAL**  
Nachupally (Kondagattu), Jagtial Dist.-505 501, Telangana  
Department of Electrical and Electronics Engineering  
(Accredited by NBA)

Phone: +91-9849552339



Results of evaluation of each PO and PSO 2021-22																	
S. No	Subject Code	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	C101	MATHEMATICS-I	2.5	2.67	2.5	-	-	-	-	-	-	-	-	-	2.5	2	2.5
2	C102	CHEMISTRY	2.5	2.17	2.5	2	-	-	-	-	-	-	-	2.5	2	2.5	-
3	C103	BASIC ELECTRICAL ENGINEERING	2.2	2	2.5	-	-	2	2.33	-	-	-	-	2	-	2	2
4	C104	ENGINEERING WORKSHOP	2.8	2	-	-	-	2	2	-	2.5	-	2.5	2.5	2.4	2.5	2.5
5	C105	ENGLISH	-	-	-	3	-	-	-	-	-	3	2	2	2.5	2	-
6	C106	ENGINEERING CHEMISTRY LAB	2	1.83	2	-	-	2	2	-	-	3	-	-	-	-	-
7	C107	ENGLISH LANGUAGE COMMUNICATION SKILLS (ELCS) LAB	-	-	-	-	-	-	-	-	-	-	-	2	-	2	2
8	C108	BASIC ELECTRICAL ENGINEERING LAB	3	2.67	2.5	2	-	-	-	-	2	-	-	2	-	-	-
9	C109	MATHEMATICS -II	2.67	2.5	2.5	-	-	-	-	-	2	-	-	2	2.6	2.33	2.5
10	C110	APPLIED PHYSICS	3	2	-	-	-	-	-	-	-	-	-	-	2	2.5	-
11	C111	PROGRAMMING FOR PROBLEM SOLVING	3	3	2.17	2.2	2.5	-	-	-	-	-	-	-	2.25	2	-
12	C112	ENGINEERING GRAPHICS	2.4	2.33	-	-	3	3	-	3	3	3	3	-	-	2	-
13	C113	APPLIED PHYSICS LAB	3	2	2	2	-	-	2.33	-	2.5	-	-	2	2	2	-
14	C114	PROGRAMMING FOR PROBLEM SOLVING LAB	3	3	3	2	2.33	-	-	2	2	2	2	2	2.25	2	-

*(Signature)*  
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15	C115	ENVIRONMENTAL SCIENCE	-	-	2.17	-	3	2	3	2	-	-	-	2	-	-	-
16	C201	ENGINEERING MECHANICS	2.83	2.83	-	2	-	-	-	-	-	-	-	2	-	-	-
17	C202	ELECTRICAL CIRCUIT ANALYSIS	2.5	2.5	2	2.6	-	2	-	-	2.33	-	2	-	2.33	2.33	2.33
18	C203	ANALOG ELECTRONICS	2.25	2.25	2.25	2.25	2.25	-	-	-	-	2.25	-	-	-	2.25	-
19	C204	ELECTRICAL MACHINES-I	2.4	2.25	2.5	2.33	2.5	2	-	-	2.2	-	2	2	2.33	2.17	2.5
20	C205	ELECTRO MAGNETIC FIELDS	2.75	2.33	2	2	-	-	-	-	-	-	-	2	3	3	-
21	C206	ELECTRICAL MACHINES LAB - I	2.5	2.67	2.5	3	2	-	-	-	2.5	-	-	-	2.5	2.75	-
22	C207	ANALOG ELECTRONICS LAB	3	3	3	3	3	-	-	-	-	3	-	-	-	3	-
23	C208	ELECTRICAL CIRCUITS LAB	2.2	2.5	2.2	2.5	2.33	2	-	-	2.67	-	2	-	2.17	3	2.17
24	C209	GENDER SENSITIZATION LAB	-	-	-	-	-	3	-	2.25	-	-	-	-	-	-	-
25	C210	LAPLACE TRANSFORMS, NUMERICAL METHODS AND COMPLEX VARIABLES	3	2.83	2.83	2.33	-	-	-	-	-	-	-	2	2	2.5	-
26	C211	ELECTRICAL MACHINES - II	3	2.67	2.67	2.5	2.67	2.33	-	-	2	-	2	2.75	2.5	2	2.67
27	C212	DIGITAL ELECTRONICS	2.5	2.5	2	2.6	-	2	-	-	2.33	-	2	-	2.33	2.33	2.33
28	C213	CONTROL SYSTEMS	2.67	2.6	2.4	3	2.5	2.33	-	3	3	-	3	3	3	2	2.33
29	C214	POWER SYSTEMS - I	2.67	2.25	2.67	2.33	2.17	2	2	2	2	2.67	3	2.5	2.67	2	2.67
30	C215	DIGITAL ELECTRONICS LAB	2.67	2.67	2.2	2.8	-	2	-	-	2.67	-	2	-	2.5	2.5	2.33
31	C216	ELECTRICAL MACHINES LAB - II	2.6	2.33	2.25	2.33	-	-	-	-	3	-	-	2.5	2	-	2
32	C217	CONTROL SYSTEMS LAB	2.25	3	2.67	2	2.67	2	-	-	-	-	-	3	2.17	2.33	2.33
33	C218	CONSTITUTION OF INDIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	C301	POWER ELECTRONICS	2.33	2	2.33	2.33	2.5	-	-	-	-	-	2	2.33	2.33	2.67	2.5

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35	C302	POWER SYSTEMS - II	3	2.5	2.5	3	3	2.5	3	-	2	2.5	2.33	2.5	2.5	2.5	3
36	C303	MEASUREMENTS & INSTRUMENTATION	2.67	2.67	2	3	2	-	-	-	2	-	2.4	2.25	2.5	2	3
37	C304	ELECTRICAL MACHINE DESIGN	3	2.67	2.67	2.5	2.67	2.33	-	-	2	-	2	2.75	2.5	2	2.67
38	C305	BUSINESS ECONOMICS AND FINANCIAL ANALYSIS	-	-	-	-	-	-	-	-	2	2	2.8	3	-	-	2.5
39	C306	POWER SYSTEM SIMULATION LAB	2	2.17	2.17	2	2.33	2	-	2	2	2	2	1.75	2.5	2.33	2
40	C307	POWER ELECTRONICS LAB	2.17	2.17	2.33	2.5	2.25	-	-	-	-	2.33	2.5	2.17	2.17	2.67	2
41	C308	MEASUREMENTS & INSTRUMENTATION LAB	2	2.5	2	-	3	-	-	-	-	-	-	2.5	2	-	-
42	C309	ADVANCED COMMUNICATION SKILLS LAB	-	-	-	-	-	-	-	3	3	-	2	-	-	-	-
43	C310	INTELLECTUAL PROPERTY RIGHTS	-	-	2	-	-	-	2	-	-	-	2	-	-	-	-
44	C311	ARTIFICIAL INTELLIGENCE	1.5	2.33	2	-	-	-	-	-	-	-	2	-	-	-	-
45	C312	CYBER LAW AND ETHICS	2	2	3	-	-	-	-	-	-	-	2	-	-	-	-
46	C313	POWER SEMI CONDUCTOR DRIVES	2.33	2.33	2.25	2	2	-	-	-	-	-	2	-	-	-	-
47	C314	SIGNALS AND SYSTEMS	2.83	2.33	2.2	2.33	2.67	-	-	-	-	-	2	2.5	2.33	2.17	2
48	C315	MICROPROCESSORS AND MICRO CONTROLEERS	2.17	2.25	2.5	3	2.5	2	-	-	-	-	-	2	2.67	2.75	2
49	C316	POWER SYSTEM PROTECTION	3	2.2	2.33	2.17	2.5	3	-	-	2.67	3	2	2.5	2.5	3	3
50	C317	POWER SYSTEM OPERATION AND CONTROL	2.2	1.5	2.2	2.33	2.6	2	-	-	2	3	2	2.5	2.5	2.5	2.33
51	C318	POWER SYSTEMS LAB	3	3	3	3	2	-	-	-	-	-	-	2.75	2.75	2.75	2.83
52	C319	MICRO PROCESSORS AND MICRO	2.2	2.2	2.33	2	-	-	-	-	2.33	-	-	2.5	2.33	1.67	1.67

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		CONTROLLERS LAB															
53	C320	SIGNALS AND SYSTEMS LAB	1.83	2.2	2.33	2	3	-	-	-	1	1.67	-	3	2	2.67	2
54	C321	ENVIRONMENTAL SCIENCE	-	-	2.17	-	3	2	3	2	-	-	-	2	-	-	-
55	C322	CYBER SECURITY	-	-	-	-	1.17	2	2	-	1	-	-	2.33	-	-	-
56	C401	DATA STRUCTURES	3	3	3	3	-	-	-	2	2	-	2	2	-	-	-
57	C402	DIGITAL SIGNAL PROCESSING	3	2.2	2.5	2.5	3	-	-	-	-	-	-	3	-	2.8	2
58	C403	HVDC TRANSMISSION	2.5	1.33	1.67	3	3	1	2	-	3	3	3	2	-	-	3
59	C404	FUNDAMENTALS OF MANAGEMENT FOR ENGINEERS	-	-	-	-	-	-	-	-	2	2.33	2.5	2.4	-	-	-
60	C405	ELECTRICAL AND ELECTRONICS DESIGNS LAB	2	2.67	3	-	-	2.5	2	-	2	2	1	2.5	2.5	3	2.33
61	C406	INDUSTRY ORIENTED MINI PROJECT/ SUMMER INTERNSHIP	2	2.5	3	2.5	2	-	-	3	-	3	-	3	2	2	2
62	C407	SEMINAR	2	3	-	-	-	-	-	-	2.5	3	-	3	2	2	2
63	C408	PROJECT STAGE-I	3	3	3	3	3	3	1	3	3	3	3	3	2	2	2
64	C409	DATABASE MANAGEMENT SYSTEMS	3	3	3	3	3	2	2	2.33	2	1.83	2.5	1.5	-	-	-
65	C410	POWER QUALITY AND FACTS	2.67	2	2.2	2.17	2	1	-	-	-	-	1	2	1	2	2.83
66	C411	ELECTRICAL DISTRIBUTION SYSTEMS	2.67	2.5	2.6	2.33	3	2.6	-	2	-	-	2	1.5	2.83	2	1.33
67	C412	PROJECT STAGE-II	3	3	3	3	3	3	1	3	3	3	3	3	2	2.5	2
Count Relevance			56	56	54	45	37	31	13	15	34	27	32	50	42	49	38
SUM			142.93	136.57	131.26	111.43	94.11	67.59	27.33	34.91	78.7	69.08	72.53	115.9	98.08	115.05	87.65
Direct Attainment			2.55	2.44	2.43	2.48	2.54	2.18	2.1	2.33	2.31	2.56	2.27	2.32	2.34	2.35	2.31
Indirect Attainment			2.4	2.35	2.51	2.47	2.43	2.56	2.46	2.43	2.65	2.4	2.55	2.58	2.47	2.5	2.56
Overall Attainment			2.52	2.42	2.45	2.48	2.52	2.26	2.17	2.35	2.38	2.53	2.33	2.37	2.37	2.38	2.36

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**Department of Electrical and Electronics Engineering**  
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Results of evaluation of each PO and PSO 2021-22																	
S. No	Subject Code	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	C101	MATHEMATICS-I	2.5	2.67	2.5	-	-	-	-	-	-	-	-	-	-	-	-
2	C102	CHEMISTRY	2.5	2.17	2.5	2	-	2	2.33	-	-	-	-	2.5	2	2.5	-
3	C103	BASIC ELECTRICAL ENGINEERING	2.2	2	2.5	-	-	2	-	-	2.5	-	2.5	2.5	2.4	2.5	2.5
4	C104	ENGINEERING WORKSHOP	2.8	2	-	-	-	2	2	-	-	3	2	2	2.5	2	-
5	C105	ENGLISH	-	-	-	3	-	-	-	-	-	3	2	2	2.5	2	-
6	C106	ENGINEERING CHEMISTRY LAB	2	1.83	2	-	-	2	2	-	-	3	-	-	-	-	-
7	C107	ENGLISH LANGUAGE COMMUNICATION SKILLS (ELCS) LAB	-	-	-	-	-	-	-	-	3	3	-	2	-	2	2
8	C108	BASIC ELECTRICAL ENGINEERING LAB	3	2.67	2.5	2	-	-	-	-	2	-	-	2	2.6	2.33	2.5
9	C109	MATHEMATICS - II	2.67	2.5	2.5	-	-	-	-	-	-	-	-	-	2	2.5	-
10	C110	APPLIED PHYSICS	3	2	-	-	-	-	-	-	-	-	-	-	2	2.5	-
11	C111	PROGRAMMING FOR PROBLEM SOLVING	3	3	2.17	2.2	2.5	-	-	-	3	3	3	3	2.25	2	-
12	C112	ENGINEERING GRAPHICS	2.4	2.33	-	-	3	3	-	2.33	-	2.5	-	2	-	2	-
13	C113	APPLIED PHYSICS LAB	3	2	2	2	-	-	-	-	-	2	-	2	2	2	-
14	C114	PROGRAMMING FOR PROBLEM SOLVING LAB	3	3	3	2	2.33	-	-	2	2	2	2.17	2	2	2	-

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Provide results of evaluation of each PO and PSO 2021-22							
S. No	Subject Code	Subject Name	PO1	PO2	PO3	PSO1	PSO2
<b>I-M.Tech/ I-Sem</b>							
1	C101	POWER SYSTEM ANALYSIS	2.5	2.17	2.5	2.67	2.33
2	C102	ECONOMIC OPERATION OF POWER SYSTEMS	2.8	2.5	3	3	2.33
3	C103	MODERN CONROL THEORY	2.83	2.33	2.4	2.5	2.33
4	C104	ELECTRICAL POWER DISTRIBUTION SYSTEMS	2.5	2.5	3	2.5	2.6
5	C105	RESEARCH METHODOLOGY AND IPR	1.3	1.34	1.17	1.25	1.25
6	C106	POWER SYSTEMS COMPUTATIONLAB-I	2.67	2.5	2.5	3	-
7	C107	ADVANCED POWER SYSTEMS LAB	2.83	2.67	2.33	2.5	2.67
8	C108	CONSTITUTION OF INDIA	-	-	3	-	-
<b>I-M.Tech/ II-Sem</b>							
9	C109	DIGITAL PROTECTION OF POWER SYSTEMS	2.5	2.33	2.67	2.33	2.5
10	C110	POWER SYSTEM DYNAMICS	2.17	2.17	2.33	2.17	2.17
11	C111	SWARM INTELLIGENCE TECHNIQUES IN POWER SYSTEMS	2.33	2.6	2.6	2	2.6
12	C112	POWER QUALITY	2.67	2.5	2.5	2.67	2.5
13	C113	MINI PROJECT WITH SEMINAR	2.75	2.75	3	2.5	3
14	C114	POWER SYSTEMS COMPUTATIONLAB-II	2.33	2.17	2.4	2.6	2.17
15	C115	POWER SYSTEM PROTECTION LAB	2.5	2.67	2.67	2.33	2.5
16	C116	DISASTER MANAGEMENT	-	-	-	-	2.67
<b>II-M.Tech/ I-Sem</b>							
17	C201	FLEXIBLE AC TRANSMISSION SYSTEMS	2.67	2.67	2.33	2.33	2.5
18	C202	WASTE TO ENERGY	2.33	3	3	3	2.33
19	C203	DISSERTATION WORK REVIEW-II	2.5	3	2.5	2.67	2.5
<b>II-M.Tech/ II-Sem</b>							
20	C204	DISSERTATION WORK REVIEW-III	2.5	3	2.5	2.67	2.5
21	C205	DISSERTATION VIVA VOCE	-	-	-	-	-
Count Relevance			18	18	19	18	18
SUM			44.68	44.87	48.4	44.69	43.45
Direct Attainment			2.48	2.49	2.55	2.48	2.41
Indirect Attainment			2.55	2.5	2.69	2.55	2.62
Overall Attainment			2.49	2.49	2.58	2.49	2.45



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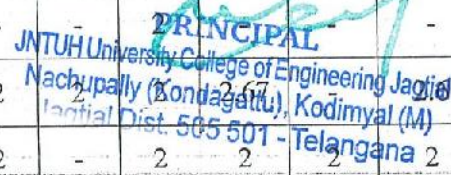
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**JNTUH UNIVERSITY COLLEGE OF ENGINEERING JAGTIAL**

AY: 2021-22 (18JJ)

Course Code	Course	CO-PO ATTAINMENT												CO-PSO ATTAINMENT		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO3
C101	Mathematics -I	1.69	1.88	1.88	-	-	-	-	-	-	-	-	-	2	-	1.75
C102	Engineering Physics	3	2	-	-	-	-	-	-	-	-	-	-	2.2	-	2.6
C103	Programming for Problem Solving	2.25	1.5	1.5	1.5	-	-	-	-	-	-	-	-	1.5	-	-
C104	Engineering Graphics	2.4	2.33	-	-	3	3	-	2.33	-	2.5	-	2	2.17	3	2
C105	Engineering Physics Lab	3	2	2	2	-	-	-	-	-	2	-	-	-	-	2.25
C106	Programming for Problem Solving Lab	2.2	2.25	2.17	2	2	-	-	-	2	-	-	2	-	-	-
C107	Mathematics -II	2.5	3	2.67	-	-	-	-	-	-	-	-	-	2.67	-	3
C108	Chemistry	2.67	2.5	2.5	2	-	2	2.6	-	-	-	-	2	-	-	-
C109	Engineering Mechanics	2.83	2.83	-	2	-	-	-	-	-	-	-	2	2.67	2	-
C110	Engineering Workshop	2.8	2	-	-	-	2	2	-	-	3	2	2	2.75	2	2
C111	English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	2
C112	Engineering Chemistry Lab	2	1.83	2	-	-	2	2	-	-	-	-	2	-	-	-
C113	English Language and Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	2
C201	Probability and Statistics & Complex Variables	2.12	2	1.75	2.12	-	-	-	-	-	-	-	1.5	2.25	-	1.88
C202	Mechanics of Solids	2.83	2.83	2.8	2	2	2	2	2	2	2	2	2	2	2	2

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Course Code	Course	CO-PO ATTAINMENT												CO-PSO ATTAINMENT		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO3
C203	Material Science and Metallurgy	1.5	2.2 5	1.5	1.5	-	1.5	1.5	1.5	-	-	-	1.5	1.88	-	2.25
C204	Production Technology	3	2.1 7	2.3 3	2	2	2	2	2		2	2	3	2.33	2	3
C205	Thermodynamics	3	2.8 3	2.6 7	2.8	2	2	2	-	2	2.25	2	2	2.67	2.5	2.5
C206	Production Technology Lab	2.1 7	2	2	2	2	2	2	2	-	2	2	3	3	-	3
C207	Machine Drawing Practice	2.8 3	2	2	2	2	-	-	-	-	2	-	2	2.8	-	2
C208	Material Science and Mechanics of Solids Lab	3	2.7 5	3	2.4	3	2	2	2	-	-	-	2	2.67	2	2
C209	Basic Electrical & Electronics Engineering	1.5	1.8	1.5	-	-	1.5	-	-	1.8 8	2.25	2.25	1.5	-	-	-
C210	Kinematics of Machinery	2.2 5	2.1 2	1.8 8	2.0 6	1.8 8	1.5	-	-	-	-	-	1.5	2.25	1.8	1.88
C211	Thermal Engineering -I	3	2.8 3	3	3	-	2.3 3	2	-	-	2	-	-	2.83	-	2.6
C212	Fluid Mechanics and Hydraulic Machines	2.8 3	2.8	2.2 5	2.2 5	2	2	2	-	2	2	2	2	3	-	3
C213	Instrumentation and Control System	3	3	2	2	2	2	-	2	-	2	-	2	2.5	-	-
C214	Basic Electrical and Electronics Engineering Lab	3	2.7 5	2.6 7	2	-	-	-	-	-	-	-	-	-	-	-
C215	Fluid Mechanics and Hydraulic Machines Lab	3	2.8	3	2.7 5	2	2	-	-	2	2	2	2	2.67	2	2
C216	Instrumentation and Control Systems Lab	2.1 7	2.1 7	-	-	2	-	-	2	-	2	-	2	2	2	2
C301	Dynamics of Machinery	3	2.5	2.6	2	2.2	-	-	-	-	-	-	2	3	2	3
C302	Design of Machine Members - I	2.2 5	1.8 8	2.2 5	1.8 8	1.8	1.5	1.5	2	-	1.88	2.25	1.75	2.25	2.25	2.25
C303	Metrology and Machine Tools	2.5	2.2	2.2	2.2	2	2	-	2	-	2	-	2.5	2.5	2	3

  
**PRINCIPAL**  
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 Nachupally (Kondagattu), Kodimyal (M)  
 Jagtial Dist. 505 501 - Telangana 2



Course Code	Course	CO-PO ATTAINMENT												CO-PSO ATTAINMENT		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO3
C304	Business Economic and Financial Analysis	-	-	-	-	-	-	-	-	1.5	1.5	2.1	2.25	-	-	1.88
C305	Thermal Engineering –II	2.2 5	2.2 5	1.5	2	-	1.5	1.5	-	-	1.5	-	1.5	2.12	-	1.88
C306	Operations Research	3	3	3	3	2.6 7	2.6 7	2.5	2.5	3	2	2	2.83	3	2.83	3
C307	Thermal Engineering Lab	3	3	-	3	-	2	-	-	-	2	-	2	3	-	3
C308	Metrology & Machine Tools Lab	2.8 3	2.8 3	2	2	-	3	-	3	3	3	-	2.33	3	-	2.5
C309	Kinematics and Dynamics Lab	3	2.1 7	2.2 5	2	2	-	-	-	-	2	-	2	2.33	2	2
C310	Design of Machine Members-II	2.2 5	2.1	2.2 5	2.2 5	2.2 5	2.2 5	1.5	1.5	-	1.5	-	1.5	2.25	1.88	1.5
C311	Heat Transfer	2.2 5	2.1 2	2.2 5	2.2 5	1.8 8	1.5	1.5	2.2 5	1.8 8	2	1.5	1.69	2.25	-	2.12
C312	CAD/CAM	2.2 5	2.1	1.8 8	2.2 5	2.1	1.5	-	1.8 8	2.2 5	2	2.25	1.63	2.25	1.5	1.88
C313	Unconventional Machining Processes	2.6 7	2.3 3	2	2	2	2	-	2	-	2	-	2	2	-	3
C314	RES	-	1.6 7	3	2	2.5	2	1.1 7	-	1.5	1.5	1.5	2	-	-	1.33
C315	Finite Element Methods	3	3	3	3	3			2.5		2		2.17	3	2.5	2
C316	Heat Transfer Lab	3	2.8 3	2	3	-	-	-	-	-	2	-	2	2.67	-	2.33
C317	CAD/CAM Lab	3	2.7 5	2.8	3	3	2	-	2	-	2	-	2	3	2	3
C318	Advanced English Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	2	2	-	-	2
C401	Refrigeration & Air Conditioning	3	3	3	-	-	2	2	-	-	-	-	2	2	-	3
C402	Automation in Manufacturing	2.2	2.6 7	2.7 5	3	2	-	-	2	-	-	-	2	2	-	3

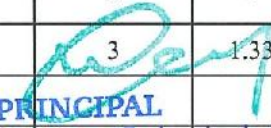
  
**PRINCIPAL**  
 JNTUH University College of Engineering Jagtial  
 Nachupally (Kondagattu), Kodumyati (M)  
 Jagtial Dist. 5055012, Telangana

Course Code	Course	CO-PO ATTAINMENT											CO-PSO ATTAINMENT			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO3
C403	Automobile Engineering	3	2	2	2	2	2	2	3	-	-	-	2	2	2	2.67
C404	Turbo Machinery	2.2 5	1.8 8	2.2 5	2.2 5	-	-	-	2.0 6	-	2.25	2.25	2.25	2.25	-	2.25
C405	JAVA	1.5	2.2 5	2.2 5	1.5	2.2 5	-	1.5	-	2.2 5	2.25	1.5	2.25	-	-	-
C406	Industry Oriented Mini Project	3	3	3	-	-	-	3	3	3	3	-	3	3	-	3
C407	Seminar	2.6 7	3	2	2	-	-	-	3	3	2	-	3	3	3	2
C408	Project Stage - I	2.6 7	3	3	3	3	-	3	3	3	2.67	2	-	3	3	3
C409	Industrial Robotics	2.8 3	3	2.7 5	2.2 5	2	-	-	-	-	2.33	-	-	-	2.5	3
C410	Industrial Management	3	2.6 7	3	3	3	3	3	3	3	2.67	3	3	3	3	3
C411	DBMS	3	3	3	3	3	2	2	2.3 3	2	1.83	2.5	1.5	-	2	-
C412	Project Stage - II	2.6 7	3	3	3	3	-	3	3	3	2.67	2	3	3	3	3
Direct Attainment		2.6 1	2.4 5	2.3 7	2.3 1	2.2 9	2.0 3	2.0 6	2.3	2.4 2	2.18	2.1	2.07	2.55	2.26	2.41
In-Direct Attainment		2.6	2.5 3	2.5 6	2.5 2	2.5 8	2.6	2.6 6	2.6 2	2.6 1	2.55	2.66	2.56	2.57	2.57	2.62
PO Attainment		2.6 1	2.4 7	2.4 1	2.3 5	2.3 5	2.1 4	2.1 8	2.3 6	2.4 6	2.25	2.21	2.19	2.55	2.32	2.45

JNTU Hyderabad College of Engineering Jagtial
   
 Nachupally (Kondragatta), Kodimyal (M)
   
 Jagtial Dist. 505 501 - Telangana

DEPARTMENT OF MECHANICAL ENGINEERING

AY-2020-21 *2021-22*

Course Code	Course	CO-PO MAPPING AVG			CO-PSO		ATTAINMENT			CO-POATTAINMENT			CO-PSO		
		PO1	PO2	PO3	PSO1	PSO2	Internal Attainment	External Attainment	Course Outcome Attainment	PO1	PO2	PO3	PSO1	PSO2	
C101	ADVANCED MACHINE DESIGN	2.67	2.67	2	2	2	3	3	3	2.67	2.67	2	2	2	
C102	Advanced Mechanics of Solids	3	2	-	3	3	3	3	3	3	2	-	3	3	
C103	Advanced Mechanics of Machinery	3	-	3	2.5	3	3	3	3	3	-	3	2.5	3	
C104	Design for Manufacturing & Assembly	2.5	-	3	2	2	3	3	3	2.5	-	3	2	2	
C105	RM & IPR	2.5	2.83	2.33	3	3	3	2.14	2.36	1.96	2.22	1.83	2.36	2.36	
C106	ADVANCED DYNAMICS LAB	3	-	3	-	-	3	3	3	3	-	3	-	-	
C107	AMT LAB	3	3	3	2	2	3	3	3	3	3	3	2	2	
C108	Computer Aided Geometric Modelling	3	1.33	-	3	2	3	3	3	3	1.33	-	3	2	
C109	Advanced Finite Element and Boundary Element Methods	3	2	2	3	3	3	3	3	3	2	2	3	3	
C110	Industrial Robotics	1.33	-	2	3	2	3	3	3	1.33	-	2	3	2	
C111	Design analysis of Experiments	3	3	3	2	2	3	3	3	3	3	3	2	2	
C112	Advanced Computer Aided Modelling Lab	3	2.67	-	3	2	3	3	3	3	2.67	-	3	2	
C113	Advanced Computer Aided Analysis Lab	3	2.67	-	3	2	3	3	3	3	2.67	-	3	2	
C201	Product Design & Development	3	3	3	3	3	3	3	3	3	3	3	3	3	
C202	Energy From Waste	1.33	2	2	1.67	1.33	3	3	3	1.33	2	2	1.67	1.33	
<b>CO-PO/PSO AVG</b>		<b>2.69</b>	<b>2.45</b>	<b>2.64</b>	<b>2.63</b>	<b>2.34</b>									
							 <b>PRINCIPAL</b> JNTUH University College of Engineering Jagtial Nachupally (Kondapally), Kadlmyar (M) Jagtial Dist. 505 504, Telangana								
							Direct Attainment			2.67	2.39	2.59	2.58	2.29	
							Indirect Attainment			2.27	2.29	2.32	2.38	2.50	
							PO Attainment			2.58	2.37	2.54	2.54	2.33	

**DEPARTMENT OF MECHANICAL ENGINEERING**

**AY-2020-21**

Course Code	Course	CO-PO MAPPING AVG			CO-PSO		ATTAINMENT			CO-PO ATTAINMENT			CO-PSO		
		PO1	PO2	PO3	PSO1	PSO2	Internal Attainment	External Attainment	Course Outcome Attainment	PO1	PO2	PO3	PSO1	PSO2	
C101	ADVANCED MACHINE DESIGN	2.67	2.67	2	2	2	3	3	3	2.67	2.57	2	2	2	
C102	Advanced Mechanics of Solids	3	2	-	3	3	3	3	3	3	2	-	3	3	
C103	Advanced Mechanics of Machinery	3	-	3	2.5	3	3	3	3	3	-	3	2.5	3	
C104	Design for Manufacturing & Assembly	2.5	-	3	2	2	3	3	3	2.5	-	3	2	2	
C105	RM & IPR	2.5	2.83	2.33	3	3	3	2.14	2.36	1.95	2.22	1.83	2.36	2.36	
C106	ADVANCED DYNAMICS LAB	3	-	3	-	-	3	3	3	3	-	3	-	-	
C107	AMT LAB	3	3	3	2	2	3	3	3	3	3	3	2	2	
C108	Computer Aided Geometric Modelling	3	1.33	-	3	2	3	3	3	3	1.33	-	3	2	
C109	Advanced Finite Element and Boundary Element Methods	3	2	2	3	3	3	3	3	3	2	2	3	3	
C110	Industrial Robotics	1.33	-	2	3	2	3	3	3	1.33	-	2	3	2	
C111	Design analysis of Experiments	3	3	3	2	2	3	3	3	3	3	3	2	2	
C112	Advanced Computer Aided Modelling Lab	3	2.67	-	3	2	3	3	3	3	2.67	-	3	2	
C113	Advanced Computer Aided Analysis Lab	3	2.67	-	3	2	3	3	3	3	2.67	-	3	2	
C201	Product Design & Development	3	3	3	3	3	3	3	3	3	3	3	3	3	
C202	Energy From Waste	1.33	2	2	1.67	1.33	3	3	3	1.33	2	2	1.67	1.33	
	<b>CO-PO/PSO AVG</b>	<b>2.69</b>	<b>2.45</b>	<b>2.64</b>	<b>2.63</b>	<b>2.34</b>									
										Direct Attainment	2.66	2.39	2.59	2.58	2.29
										In Direct Attainment	2.27	2.29	2.32	2.38	2.50
										PO Attainment	2.58	2.37	2.54	2.54	2.33

  
**PRINCIPAL**  
 JNTUH University College of Engineering Jagtial  
 Nachupally (Kondagattu), Kodimyal (M)  
 Jagtial Dist. 505 501 - Telangana

**DEPARTMENT OF MECHANICAL ENGINEERING**

**AY-2019-20**

Course Code	Course	CO-PO MAPPING AVG			CO-PSO		ATTAINMENT			CO-POATTAINMENT			CO-PSO		
		PO1	PO2	PO3	PSO1	PSO2	Internal Attainment	External Attainment	Course Outcome Attainment	PO1	PO2	PO3	PSO1	PSO2	
C101	Advanced Mechanics of Solids	3	2	-	3	3	3	3	3	3	2	-	3	3	
C102	Advanced Mechanics of Machinery	3	-	3	2.5	3	3	2.14	2.36	2.36	-	2.36	1.96	2.36	
C103	Vibration Analysis of Mechanical Systems	3	-	3	3	3	3	2.57	2.68	2.68	-	2.68	2.68	2.68	
C104	Design Optimization	2	1	2	2	2	3	2.57	2.68	1.79	0.89	1.79	1.79	1.79	
C105	Design for Manufacturing & Assembly	2.5	-	3	2	2	3	3	3	2.5	-	3	2	2	
C106	Renewable Energy Systems	3	1.83	1.8	-	2	3	3	3	3	1.83	1.8	-	2	
C107	Kinematics & Dynamics Lab	3	3	3	2	2	3	3	3	3	3	3	2	2	
C108	Seminar I	2	2	2	2	2.25	3	-	3	2	2	2	2	2.25	
C109	Experimental Stress Analysis	3	-	3	2.5	2	3	2.14	2.36	2.36	-	2.36	1.97	1.57	
C110	Advanced Finite Element Analysis	3	2	2	3	3	3	3	3	3	2.25	2.33	3	3	
C111	Mechanical Behavior of Engineering Materials	3	2.25	2.33	3	3	3	1.71	2.04	2.04	1.53	1.58	2.04	2.04	
C112	Industrial Robotics	1.33	-	2	3	2	3	2.14	2.36	1.05	-	1.57	2.36	1.57	
C113	Design and Analysis of Experiments	3	3	3	2	2	3	3	3	3	3	3	2	2	
C114	ENERGY FROM WASTE	3	1	1	-	2	3	3	3	3	1	1	-	2	
C115	Computer Aided Testing , Analysis & Modelling Lab	3	2	-	3	3	3	3	3	3	2	-	3	3	
C116	Seminar II	2	2	2	2	2.25	3	-	3	2	2	2	2	2.25	
	<b>CO-PO/PSO AVG</b>	<b>2.73</b>	<b>2.01</b>	<b>2.4</b>	<b>2.54</b>	<b>2.42</b>									
										<b>Direct Attainment</b>	<b>2.52</b>	<b>1.95</b>	<b>2.19</b>	<b>2.3</b>	<b>2.22</b>
										<b>In Direct Attainment</b>	<b>2.596666667</b>	<b>2.666666667</b>	<b>2.526666667</b>	<b>2.6</b>	<b>2.69</b>
										<b>PO Attainment</b>	<b>2.54</b>	<b>2.09</b>	<b>2.26</b>	<b>2.36</b>	<b>2.31</b>

  
**PRINCIPAL**  
 JNTUH University College of Engineering Jagtial  
 Nachupally (Kondagattu), Kodimyal (M)  
 Jagtial Dist. 505 501 - Telangana

Direct Attainment Calculation				
Academic Year		2021-22		
Year & Sem		II M.TECH I SEM		
Course		Product Design & Development		
Name of the Faculty		Mr. B Narsaiah		
S.No	Roll Number	INTERNAL	EXTERNAL	TOTAL
		Average (25M)	(75 M)	(100M)
1	20JJ1D9501	23	26	49
2	20JJ1D9503	11	26	37
3	20JJ1D9505	24	37	61
4	20JJ1D9506	22	45	67
5	20JJ1D9507	22	32	54
6	20JJ1D9508	22	36	58
7	20JJ1D9509	23	40	63
8	20JJ1D9511	24	35	59
9	20JJ1D9512	23	33	56
10	20JJ1D9514	23	15	38
Averag Marks		21.7	32.5	54.2
Number of students attempted		10		

  
**PRINCIPAL**  
 JNTUH University College of Engineering Jagtial  
 Nachupally (Kondagattu), Kodimyal (M)  
 Jagtial Dist. 505 501 - Telangana

Direct Attainment Calculation			
	Target Performance	Actual Performance	Component Attainment Level
Internal Marks Assessment (a)	6	9	3
External Marks Assessment (b)	6	7	3
Course Attainment of Direct Assessment= $(0.25*a+0.75*b)$			<b>3.00</b>

CO -PO-PSO MAPPING OF A SUBJECT					
	PO1	PO2	PO3	PSO1	PSO2
CO1	3	-	3	3	3
CO2	3	-	3	3	3
CO3	-	3	-	-	3
CO4	3	-	-	-	3
CO5	3	3	3	3	3
CO6	3		3	3	3
average( CL)	3	3	3	3	3

PO/PSO Attainment Level Calculation= $(1/3)*$ course attainment level * correlation level (CL) of PO/PSO					
Course	PO1	PO2	PO3	PSO1	PSO2
PDD	3	3	3	3	3

Direct Attainment Calculation				
Academic Year		2021-22		
Year & Sem		II M.TECH I SEM		
Course		Energy From Waste		
Name of the Faculty		Mrs. K.Grace Prashanthi		
S.No	Roll Number	INTERNAL	EXTERNAL	TOTAL
		Average (25M)	(75 M)	(100M)
1	20JJ1D9501	23	34	57
2	20JJ1D9503	10	43	53
3	20JJ1D9505	19	46	65
4	20JJ1D9506	23	42	65
5	20JJ1D9507	21	44	65
6	20JJ1D9508	22	38	60
7	20JJ1D9509	23	45	68
8	20JJ1D9511	23	42	65
9	20JJ1D9512	24	40	64
10	20JJ1D9514	23	36	59
Averag Marks		21.1	41	62.1
Number of students		10		

Direct Attainment Calculation			
	Target Performance	Actual Performance	Component Attainment Level
Internal Marks Assesment (a)	6	9	3
External Marks Assesment (b)	6	10	3
Course Attainment of Direct Assesment= $(0.25*a+0.75*b)$			<b>3.00</b>

CO -PO-PSO MAPPING OF A SUBJECT					
	PO1	PO2	PO3	PSO1	PSO2
CO1	1	2	-	2	1
CO2	1	2	-	-	-
CO3	2	2	-	1	1
CO4	1	-	-	-	-
CO5	1	-	-	-	-
CO6	2	2	2	2	2
average( CL	1.33	2	2	1.67	1.33

PO/PSO Attainment Level Calculation= $(1/3)* \text{course attainment level} * \text{correlation}$					
Course	PO1	PO2	PO3	PSO1	PSO2
EFW	1.33	2	2	1.67	1.33


Department of IT  
18JJ-(A.Y.2021-22) ~ B.Tech

		PO Attainment Level Calculation												PSO Attainment Level Calculation		
Course Code	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	C101-Mathematics-I	2.5	2.33	2.33									2.5	2.8		2.4
C102	C102-CHEMISTRY	2.67	2.5	2.5			2	2.6					2		0	0
C103	C103-Basic Electrical Engineering	2.2	2	2.5	0	0	2	0	0	2.5	0	2.5	2.5	1	0	0
C104	C105-Engineering Workshop	2.8	2				2	2			3	2	2			
C105	C105-ENGLISH	2								2	3		2			3
C106	C106-Engineering Chemistry Lab	2	1.83	2			2	2					2			
C107	C107-ENGLISH LANGUAGE COMMUNICATION SKILLS (ELCS)									3	3		2			2
C108	C108-Basic Electrical Engineering Lab	3	2.67	2.5	2	0	0	0	0	2	0	0	2	0	0	0
C109	C109-Environmental Science			2		3	2	3	2				2			
C110	C110-Mathematics - II	2.5	2.33	2.33									2.5	2.8		2.4
C111	C111-Applied Physics	3	2											1.5	1	
C112	C112-Programming for Problem Solving		2.5	3		2							2	3	3	
C113	C113-Engineering Graphics	2.4	2.33			3	3		2.33		2.5		2			
C114	C114-Applied Physics Lab	3	2	2	2						2			1.5	1	
C115	C115-Programming for Problem Solving Lab		1.5	2.1666667		2								2	2	1
C116	C116-Environmental Science			2		3	2	3	2				2			
C201	C201-Analog and Digital Electronics	2	2.8333333	2	2								2	3		3
C202	C202-Data Structures	3	2.2	3									2	2.3333333	2.6666667	
C203	C203-Computer Oriented Statistical Methods	2.8333333	2.6666667	2.3333333	2.8333333									1.3333333	2	1.1666667
C204	C204-Computer Organization and Microprocessor	3	2	1.8										3	2	1
C205	C205-Object Oriented Programming using C++	2.3333333		2.1666667		1.3333333							2	1	2.4	3
C206	C206-Analog and Digital Electronics Lab		3	2		3				3		3		3		
C207	C207-Data Structures Lab	2	2	3	1	1								2	2	1

PRINCIPAL  
JNTUH University College of Engineering Jagtial  
Nachupally (Kondagattu), Kocimyal (M)  
Jagtial Dist. 505 501 - Telangana



		PO Attainment Level Calculation												PSO Attainment Level Calculation		
Course Code	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C208	C208-IT Workshop and Microprocessor Lab	3		3		3				3	3		3	3	3	3
C209	C209-C++ Programming Lab	1		3		1									3	
C210	C210-Gender Sensitization Lab						3		2.25							2.5
C211	C211-Discrete Mathematics	2	2.6666667											3		
C212	C212-Business Economics & Financial Analysis									2	2	2.33	2.16			
C213	C213-Operating Systems	2	2.67	3	2.67		2							3	3	
C214	C214-Database Management Systems	2.2	2.3333333	2.3333333	2	2	1.1666667	1.2	1.3333333	1	1.6666667	2	2.3333333	2.8333333	2.6666667	3
C215	C215-Java Programming	2	2	3	2.5	3							2		3	2
C216	C216-Operating Systems Lab				2	2	3							3	2.83	
C217	C217-Database Management Systems Lab	2		3	3	2								2	2	2
C218	C218-Java Programming Lab	3	3	2	3	3							3	3	3	3
C219	C219-Constitution of India			2			2.5	2	2.5	2	2	2	1.5			
C301	C301-Formal Language & Automata Theory	2.1666667	2.8333333	2.4	2								3	2		2
C302	C302-Software Engineering	3	3			3				2			2.3333333		2	3
C303	C303-Data Communication & Computer Networks	1.6666667	2	2	1.8333333	1.6666667	0.6666667	1	1	1.6666667	3	1.8333333	2.6666667	1.6666667	2.1666667	2.3333333
C304	C304-Web Programming	3			3	3							3		3	3
C305	C305-Principles of Programming Languages (PE-1)	2	2	2.4	2	2.2							2	2	2	
C306	C306-Machine Learning (PE-2)	2.8333333	2.8333333	2.5	2.5	2.6666667	2.8333333							3	3	
C307	C307-Software Engineering Lab		2	3		2.5	3			2	3		3		2.6666667	2.5
C308	C308-Computer Networks & Web Programming Lab	2	2	1.6666667	1.8333333	1.6666667	0						2	1.8333333	1.5	0
C309	C309-Advanced Communication Skills Lab													2		3
C310	C310-Intellectual Property Rights			2									2			
C311	C311-Artificial Intelligence	1.5	2.3333333	2	2								2	2.6666667	2.5	3
C312	C312- Introduction to Embedded Systems	3		2.6666667	3	2.5								2		2.5

  
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PO Attainment Level Calculation														PSO Attainment Level Calculation		
Course Code	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C313	C313-Principles of Compiler Construction	3	3	3	3	1.75										
C314	C314-Algorithm Design and Analysis		3	3	2.5									1.6666667	1.8333333	2.8333333
C315	C315-Internet of Things	2.3333333	2	2.75		2									3	3
C316	C316-Software Testing Methodologies (PE-III)	2.1666667	2.6666667	2.5	2.8333333	3	1.1666667		0.6666667	2.5	1	3	2.1666667	2.8333333	2.3333333	1
C317	C317-Quantitative Analysis for Business Decisions (OE-I)	3	3	3	3	2.67	2.67	2.5	2.5	-	2	2	2.83	3	3	3
C318	C318-Embedded Systems & Internet of Things Lab			3		3							3		3	3
C319	C319-Compiler Construction Lab	2	1.5	2.6666667		2.8333333								2.1666667	2.5	3
C320	C320-Software Testing Methodologies Lab (PE-III Lab)	3	3	3										3	3	3
C321	C321-Environmental Science			2		3	2	3	2				2			
C401	C401-Data Mining	2.8333333	2.6666667	2.3333333	1.75	1.75	1	1.3333333	1.5	1.6666667	1.6	1.5	2	2.6666667	3	2
C402	C402-Information Security	3	3	3	3											
C403	C403-Software Process & Project Management (PE-IV)	2.1666667	2.6666667	2.5	2.8333333	3	1.1666667		0.6666667	2.5	1	3	2.1666667	2.8333333	2.3333333	1
C404	C404-Cloud Computing (PE-IV)		3		3	3							3	3	3	3
C405	C405-Basic Mechanical Engineering (OE-II)	3	3	2			2		2							
C406	C406-Information Security Lab	2.8333333	3	3	3								3	3	2.1666667	2.1666667
C407	C407-Industry Oriented Mini Project															
C408	C408-Organizational Behaviour															
C409	C409-Human Computer Interaction	1.6666667	2	3	1.8333333	2.3333333										
C410	C410-Measuring Instruments	3	3	3	2	2								1.5	1.5	3
		2.4596454	2.4534783	2.4969281	2.32	2.2667568	1.8769565	1.6880952	1.4556863	2.0648148	2.0365079	2.0102083	2.2627407	2.3479675	2.2495122	2.1238095
		3	2.6666667	2.6666667	2.6666667	2.6666667	2.6666667	3	3	3	2.6666667	2.6666667	2.6666667	2.6666667	2.6666667	2.6666667
Tot-67	Subjects	2.5677163	2.4961159	2.5308758	2.3893333	2.3467387	2.0348986	1.9504762	1.764549	2.2518519	2.1625397	2.1415	2.3435259	2.4117073	2.3329431	2.232381

  
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 HOD, IT

**Department of IT**  
**20JJ-Batch (2021-22)- Attainments - M.Tech**

Course Code	Course	PO Attainment Level Calculation			PSO Attainment Level Calculation	
		PO1	PO2	PO3	PSO1	PSO2
MC101	Mathematical Foundations of Computer Science	3	2.5	2.5	2.5	
MC102	Advanced Data Structures	2		1	2	
MC103	Python Programming	2.833333333	2.666666667	2.333333333	2.666666667	3
MC104	Software Project Management	1.666666667			1.5	1
MC105	Research Methodology & IPR	0.75	0.625	0.4375	0.5	
MC106	English for Research Paper Writing	0.75	0.75	0.75	0.75	0.75
MC107	Advanced Data Structures Lab	2		1	2	
MC108	Python Programming Lab	3			3	
MC109	Web Technologies	2.833333333	2.666666667	2.333333333	2.666666667	3
MC110	Information Security	3	2	3		
MC111	Machine Learning	3		3	3	3
MC112	Big Data Analytics	2.2	2	2	3	
MC113	Web Technologies Lab	2.833333333	2.666666667	2.333333333	2.666666667	3
MC114	Machine Learning Lab	3	3	3	3	3
MC115	Constitution of India	2	1	1		2
MC116	Internet of Things	2.0625		2.25	2.25	2.25
MC117	Waste to Energy	1	1.5		1.5	1.125
	<b>Direct Attainment</b>	2.231127451			2.2	2.2125
	<b>In Direct Attainment</b>	3			2.667	2.778
	<b>PO Attainment</b>	2.385	2.088	2.073	2.293	2.326

  
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