

JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES
(An Autonomous Institution)

Mapping of the courses to employability/ entrepreneurship/ Skill development
Academic Year 2019-20

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S.NO	Name of the Course	Course Code	Mapping the courses on		
			Employability/	Entrepreneurship/	Skill development
			Employability	Entrepreneurship	Skill Development
1.	Mathematics-I	J1001			✓
2.	Engineering Physics	J1007	✓		✓
3.	Engineering Chemistry	J1008	✓		
4.	Engineering Graphics	J1302	✓		
5.	Engineering Physics & Chemistry Lab	J1009			✓
6.	Mathematics-II	J2002			✓
7.	Basic Electrical & Electronics Engineering	J2202	✓		
8.	Basic Electrical & Electronics Engineering Lab	J2203			✓
9.	English	J2011			✓
10.	Programming for Problem Solving	J1501	✓		
11.	Programming for Problem Solving Lab	J1502			✓
12.	Object Oriented Programming	J2503	✓		
13.	Object Oriented Programming Lab	J2504			✓
14.	Gender Sensitization	JMC02			✓
15.	Environmental Studies	JMC01	✓		
16.	Advanced Communication Skills Lab	AJ5015			✓
17.	English Language & Communication Skills Lab	J2012			✓
18.	Engineering Mechanics	J1301	✓		
19.	Engineering Workshop	J1303	✓		
20.	Basic Electrical and Electronics Engineering	J2202	✓		
21.	Engineering Graphics	J2302	✓		
22.	Introduction to Civil Engineering	J3101	✓		
23.	Civil Engineering – Societal and Global Impact	J3102	✓		
24.	Solid Mechanics - I	J3103	✓		
25.	Fluid Mechanics	J3104	✓		
26.	Surveying and Geomatics	J3105	✓		
27.	Solid Mechanics Lab	J3106			✓
28.	Surveying Lab -I	J3107			✓
29.	Engineering Hydrology	J4108	✓		
30.	Probability & Statistics	J4005	✓		
31.	Concrete Technology	J4109	✓		
32.	Hydraulics & Hydraulic Machinery	J4110	✓		
33.	Energy Sciences & Engineering	J4129	✓		
34.	Solid Mechanics – II	J4130	✓		
35.	Air & Noise Pollution and Control	J4131	✓		
36.	Concrete Technology Lab	J4111			✓
37.	Surveying Lab - II	J4112			✓
38.	Fluid Mechanics & Hydraulic Machinery Lab	J4113			✓
39.	Electrical Circuits – I	J2201	✓		
40.	Basic Electronics Engineering	J2401	✓		
41.	Problem solving and Computer Programming	J2501	✓		
42.	Basic Electronics Lab	J2402			✓

43.	Problem solving and Computer Programming Lab	J2502			✓
44.	Electromagnetic fields	J3205	✓		
45.	Electrical circuits-I	J3206	✓		
46.	DC Machines & Transformers	J3210	✓		
47.	Electronics Devices & Circuits	J3401	✓		
48.	Electronics Devices & Circuits Lab	J3404			✓
49.	Electrical Circuit Lab	J3207			✓
50.	Electrical Machines -I Lab	J3211			✓
51.	Power systems-I	J4210	✓		
52.	Electrical Machines-II	J4211	✓		
53.	Switching Theory and Logic Design	J4404	✓		
54.	IC Applications	J4417	✓		
55.	Fluid Mechanics and Hydraulic Machinery	J4110	✓		
56.	Fluid Mechanics and Hydraulic Machinery Lab	J4112			✓
57.	Basic Electrical Simulation Lab	J4246			✓
58.	IC & HDL Simulation Lab	J4421			✓
59.	Engineering Mechanics	J1301	✓		
60.	Engineering Workshop	J1303	✓		
61.	Engineering Graphics	J2302	✓		
62.	Engineering Thermodynamics	J3305	✓		
63.	Mechanics of Solids	J3306	✓		
64.	Material Science and Metallurgy	J3307	✓		
65.	Mechanics of Fluids & Hydraulic Machinery	J3309	✓		
66.	Material Testing and Metallurgy Lab	J3308			✓
67.	Mechanics of Fluids & Hydraulic Machinery Lab	J3310			✓
68.	Managerial Economics & Financial Analysis	J4E02	✓		
69.	Thermal Engineering - I	J4313	✓		
70.	Computer Organization	J_419	✓		
71.	Linear Control Systems	J_422	✓		
72.	Microprocessors and Microcontrollers	J_424	✓		
73.	Image and Video Processing	J_434	✓		
74.	Wireless Sensor Networks	J_447	✓		
75.	Microprocessors and Interfacing	J_454	✓		
76.	Digital Image Processing	J_456	✓		
77.	Embedded System Design	AJD551C01	✓		
78.	VLSI Technology and Design	AJD551E02	✓		
79.	Digital System Design	AJD551E04	✓		
80.	Embedded	AJD551E05	✓		
81.	Embedded Systems Laboratory	AJD551L1	✓		
82.	Digital Signal Processors and Architectures	AJD552C04	✓		
83.	Embedded Networking	AJD552C05	✓		
84.	Wireless Communication and Networks	AJD552E08	✓		
85.	Network Theory	J1204	✓		
86.	Transforms and Complex Variables	J3003	✓		
87.	Electronic Devices and Circuits	J3401	✓		
88.	Electrical Technology	J3208	✓		
89.	Signals and Systems	J3402	✓		
90.	Probability Theory and Stochastic Process	J3403			✓
91.	Electronic Devices and Circuits Lab	J3404			✓
92.	Basic Simulation Lab	J3405			✓
93.	Electrical Technology Lab	J3209			✓
94.	Probability and Statistics	J3005			✓
95.	Digital system Design	J3409	✓		
96.	Computer Organization	J3419	✓		
97.	Discrete Mathematics	J4004	✓		

98.	Constitution of India	JMC03		✓	
99.	Organizational Behaviour	J3E12	✓		
100.	IT & Engineering Workshop	J2507			✓
101.	Data Structures	J3508	✓		
102.	Data Structures Lab	J3509			✓
103.	Scripting Language Lab	J3510			✓
104.	Design & Analysis of Algorithms	J4511	✓		
105.	Java Programming	J4512	✓		
106.	Operating Systems	J4513	✓		
107.	Formal Languages and Automata Theory	J4514	✓		
108.	Java Programming Lab	J4515			✓
109.	Operating Systems Lab	J4516			✓
110.	Microprocessors and Interfacing	AJ5451	✓		
111.	Computer Networks	AJ5521	✓		
112.	Compiler Design	AJ5522	✓		
113.	Machine Learning	AJ5523	✓		
114.	Computer Forensics	AJ5524	✓		
115.	Advanced Databases	AJ5525	✓		
116.	Microprocessors and Interfacing Lab	AJ5452			✓
117.	Compiler Design & Computer Networks Lab	AJ5526			✓
118.	Value Education, Human Rights and Legislative Procedures	AJMC02	✓		
119.	Data Warehousing and Data Mining	AJ6527	✓		
120.	Web Programming	AJ6528	✓		
121.	Network Security	AJ6529	✓		
122.	High Performance Computing	AJ6533	✓		
123.	Design Patterns	AJ6534	✓		
124.	Software Project Management	AJ6535	✓		
125.	Data Warehousing and Data Mining LAB	AJ6536			✓
126.	Web Programming Lab	AJ6537			✓
127.	Visual Programming Lab	AJ6538			✓
128.	Network Programming	AJ7539	✓		
129.	Mobile Application Development	AJ7540	✓		
130.	Software Testing Methodologies	AJ7541	✓		
131.	Computer Graphics and Multimedia	AJ7542	✓		
132.	Digital Image Processing	AJ7433	✓		
133.	Embedded Systems	AJ7431	✓		
134.	Information Retrieval Systems	AJ7545	✓		
135.	Secure Software Engineering	AJ7546	✓		
136.	Network Programming Lab	AJ7547			✓
137.	Mobile Application Development Lab	AJ7548			✓
138.	Mini Project	AJ7581			✓
139.	E-Commerce	AJ8549			✓
140.	Semantic web and social networks	AJ8550	✓		
141.	Web services	AJ8551	✓		
142.	Human computer interaction	AJ8552	✓		
143.	Big data management	AJ8553	✓		
144.	Soft computing	AJ8554	✓		
145.	Technical seminar	AJ 8582			✓
146.	Comprehensive viva voce	AJ8583			✓
147.	Major project	AJ8584			✓
148.	Advanced Data Structure and Algorithms	JD581C01	✓		
149.	Operating System and Internals	JD581C02	✓		
150.	Security in Computing	JD581E01	✓		
151.	Internet of Things	JD581E02	✓		

152.	Agent Based Intelligent Systems	JD581E03	✓		
153.	Cloud Computing	JD581E04	✓		
154.	Network Engineering and Management	JD581E05	✓		
155.	Natural Language Processing	JD581E06	✓		
156.	Ad-Hoc and Sensor Networks	JD581E07	✓		
157.	Software Quality Assurance	JD581E08	✓		
158.	Research Methodology and IPR	JD581A01		✓	
159.	Audit Course	JD581A02		✓	
160.	Advanced Data Structure and Algorithms Laboratory	JD581L1			✓
161.	Advanced Operating System Laboratory	JD581L2			✓
162.	Advanced Database Technology	JD581C03	✓		
163.	Network Programming	JD581C04	✓		
164.	Advanced communication Networks	JD581E09	✓		
165.	Software process and Project Management	JD581E10	✓		
166.	High Speed Networks	JD581E11	✓		
167.	Soft Computing	JD581E12	✓		
168.	Information Storage Management	JD581E13	✓		
169.	Social Network Analysis	JD581E14	✓		
170.	Digital Image Processing	JD581E15	✓		
171.	Data Mining Techniques	JD581E16	✓		
172.	Audit Course	JD581A03		✓	
173.	Advanced Database Technology Lab	JD581L3			✓
174.	Network Programming Lab	JD581L4			✓
175.	Mini Project with Seminar	JD581S1			✓
176.	Software Quality Assurance and Testing	JD581E16	✓		
177.	Embedded Software Development	JD581E17	✓		
178.	Mobile Application Development	JD581E18	✓		
179.	Internet and web technology	JD581E19	✓		
180.	Dissertation-I	JDPR158		✓	
181.	Dissertation-II	JDPR258		✓	
182.	Management Theory and Organization Behavior	J18MB101		✓	
183.	Business Economics	J18MB102		✓	
184.	Financial Accounting and Analysis	J18MB103		✓	
185.	Business Law and Ethics	J18MB104		✓	
186.	Statistics for Management	J18MB105		✓	
187.	E-Commerce	J18MB106		✓	
188.	Computer Applications for Business Statistics - LAB	J18MB107		✓	
189.	Business Communication (seminar)	J18MB108		✓	
190.	Entrepreneurship	J18MB201		✓	
191.	Quantitative Analysis for Business Decisions	J18MB202		✓	
192.	Marketing Management	J18MB203		✓	
193.	Human Resource Management	J18MB204		✓	
194.	Financial Management	J18MB205		✓	
195.	Indian Ethos	J18MB206		✓	
196.	Strategic Management	J18MB207		✓	
197.	a) Technology Management	J18MB301		✓	
198.	a) Research Methodology	J18MB302		✓	
199.	b) Integrated Marketing Communication	J18MB302		✓	
200.	a) Agri-Business Management	J18MB303		✓	
201.	Internship (Seminar)	J18MB307		✓	
202.	Consumer Behavior	J18MB304M1		✓	
203.	Retail Management	J18MB305M2		✓	
204.	Sales and Distribution Management	J18MB306M3		✓	

205.	Security Analysis and Portfolio Management	J18MB304F1		✓	
206.	Mergers, Acquisitions and Corporate Restructuring	J18MB305F2		✓	
207.	International Finance	J18MB306F3		✓	
208.	HR Planning	J18MB304H1		✓	
209.	Employee Relations	J18MB305H2		✓	
210.	Compensation and Benefits Management	J18MB306H3		✓	
211.	Start up Management	J18MB304E1		✓	
212.	MSME Management	J18MB305E2		✓	
213.	Family Business Management	J18MB306E3		✓	
214.	Business intelligence	J18MB304S1		✓	
215.	Database Management System	J18MB305S2		✓	
216.	Decision Support system	J18MB304S3		✓	
217.	a) Creativity and Innovation	J18MB401		✓	
218.	a) Green Marketing	J18MB402		✓	
219.	a) Finance and Accounting for Small Business.	J18MB403		✓	
220.	Project Report	J18MB407		✓	
221.	Product and Brand Management	J18MB404M4		✓	
222.	Services Marketing	J18MB405M5		✓	
223.	International Marketing	J18MB406M6		✓	
224.	Taxation	J18MB404F4		✓	
225.	Financial Derivatives	J18MB405F5		✓	
226.	Financial Institute Markets	J18MB406F6		✓	
227.	International HRM	J18MB404H4		✓	
228.	Cross Cultural Management	J18MB405H5		✓	
229.	Strategic HRM	J18MB406H6		✓	
230.	Entrepreneurial Finance	J18MB404E4		✓	
231.	Entrepreneurial Marketing	J18MB405E5		✓	
232.	Creativity Innovation and Entrepreneurship	J18MB406E6		✓	
233.	E-Business	J18MB404S4		✓	
234.	Knowledge Management	J18MB405S5		✓	
235.	Information System Control	J18MB406S6		✓	