



Ph : 08415-222491/92  
Fax : 08415-222700

# SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Sponsored by St. VINCENT EDUCATIONAL SOCIETY)

Regd. No. 5782/2000


(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)

Kondapur Village, Ghatkesar Mandal, Medchal District (Old R.R. Dist) - 501301.

## List of Courses in Experiential learning

2017-2018

S.NO	Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship
1	B.Tech-CE	01	Engineering Mechanics
2			Engineering Graphics
3			Strength of Materials - I
4			Fluid Mechanics - I
5			Building Materials, Construction and Planning
6			Surveying
7			Strength of Material Lab
8			Computer Aided Drafting Lab
9			Surveying Lab - I
10			Strength of Material - II
11			Fluid Mechanics - II
12			Structural Analysis
13			Engineering Geology
14			Fluid Mechanics Lab
15			Surveying Lab - II
16			Engineering Geology Lab
17			Concrete Technology
18			Reinforced Concrete Structures Design and Drawing
19			Engineering Geology
20			Geotechnical Engineering
21			Water Resources Engineering-I
22			Disaster Management
23			Fluid Mechanics & Hydraulic Machinery Lab
24			Engineering Geology Lab
25			Steel Structures Design and Drawing
26			Environmental Engineering
27			Transportation Engineering -I
28			Foundation Engineering
29			Structural Analysis -II
30			Elements of Earthquake Engineering
31			Ground Improvement Techniques
32			Ground Water Hydrology
33			Environmental Impact Assessment

  
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34		Geotechnical Engineering Lab
35		Remote Sensing & GIS
36		Transportation Engineering -II
37		Estimating & Costing
38		Water Resources Engineering-II
39		Finite Element Methods
40		Advanced Foundation Engineering
41		Watershed Management
42		Air Pollution and Control
43		Advanced Structural Design
44		Earth and Rock fill Dams and Slope Stability
45		Water Resources Systems Analysis
46		Industrial Waste Water Treatment
47		Concrete & Highway Materials Lab
48		Environmental Engineering Lab
49		Rehabilitation and Retrofitting of Structures
50		Geo-Environmental Engineering
51		Design and Drawing of Irrigation Structures
52		Solid Waste Management
53		Prestressed Concrete Structures
54		Construction Management
55		Industry Oriented Mini project
56		Project Work
57		Comprehensive viva
58		Seminar
59		Basic Electrical and Electronics Engineering
60		Electromagnetic Fields
61		Electrical Machines-I
62		Network Theory
63		Electronic Circuits
64		Electrical Machines Lab - I
65		Networks Lab
66		Power Systems - I
67		Electrical Machines – II
68		Control Systems
69		Control Systems Lab
70		Electrical Machines Lab - II
71		Electronic Circuits Lab
72		Power Systems-II
73		Control Systems
74		Power Electronics
75		Electrical Machines-III
76	B.Tech- EEE	02 Electrical Machines lab –II
77		Electrical and Electronics Instrumentation
78		Static Drives
79		Computer Methods in Power Systems
80		Control Systems and Simulation Lab
81		Power Electronics and Simulation Lab
82		Switch Gear and Protection
83		Utilization of Electrical Energy

  
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84		Power System Operation and Control
85		High Voltage Engineering
86		Electrical Distribution Systems
87		Electrical Measurements Lab
88		Fundamentals of HVDC and FACTS Devices
89		EHV AC Transmission
90		Industry Oriented Mini Project
91		Seminar
92		Project Work
93		Comprehensive Viva-Voce
94		Engineering Mechanics
95		Engineering Graphics
96		Engineering Workshop
97		Thermodynamics
98		Kinematics of Machinery
99		Metallurgy and Material Science
100		Mechanics of Solids
101		Fuels and Lubricants Lab
102		Mechanics of Solids Lab
103		Metallurgy and Material Science Lab
104		Dynamics of Machinery
105		Fluid Mechanics and Hydraulic Machines
106		Machine Drawing
107		Manufacturing Process
108		Kinematics and Dynamics Lab
109		Fluid Mechanics and Hydraulic Machines Lab
110		Manufacturing Process Lab
111		Engineering Metrology
112		Dynamics of Machinery
113		Machine Tools
114		Design of Machine Members – I
115		Thermal Engineering -II
116		Machine Tools & Metrology Lab
117		Thermal Engineering Lab
118		Automobile Engineering
119		Finite Element Methods
120	B.Tech-	Refrigeration and Air Conditioning
121	ME	Design of Machine Members – II
122		Heat Transfer
123		Heat Transfer Lab
124		Power Plant Engineering
125		CAD/CAM
126		Instrumentation and Control Systems
127		Robotics
128		Mechanical Vibrations
129		Mechatronics
130		Mechanics of Composite Materials
131		Unconventional Machining Processes
132		CNC Technology
133		Automation in Manufacturing

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134		Design for Manufacturing
135		Nanotechnology
136		Computer Aided Design & Manufacturing Lab
137		Production Drawing Practice and Instrumentation Lab
138		Production Planning and Control
139		Plant Layout & Material Handling
140		Renewable Energy Sources
141		Jet Propulsion & Rocket Engineering
142		Computational Fluid Dynamics
143		Gas Dynamics
144		Industry Oriented Mini Project
145		Seminar
146		Project Work
147		Comprehensive Viva
148		Analog Electronics
149		Signals and Stochastic Process
150		Network Analysis
151		Electronic Devices and Circuits Lab
152		Basic Simulation Lab
153		Switching Theory and Logic Design
154		Pulse and Digital Circuits
155		Control Systems
156		Analog Communications
157		Analog Communications Lab
158		Pulse and Digital Circuits Lab
159		Analog Electronics Lab
160		Control Systems Engineering
161		Antennas and Wave Propagation
162		Analog Communications
163		Linear and Digital IC Applications
164		Analog Communications Lab
165		IC Applications and HDL Simulation Lab.
166		Digital Communications
167		VLSI Design
168	B.Tech-	Microprocessors and Microcontrollers
169	ECE	Digital Signal Processing
170		Microprocessors and Microcontrollers Lab.
171		Digital Signal Processing Lab.
172		Microwave Engineering
173		Cellular and Mobile Communications
174		Digital Image Processing
175		Television Engineering
176		Optical Communications
177		Embedded Systems Design
178		Microwave Engineering and Digital Communications Lab
179		Satellite Communications
180		Telecommunication Switching Systems and Networks
181		Radar Systems

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182		Wireless Communications and Networks
183		Digital Signal Processors and Architectures
184		RF Circuit Design
185		Industry Oriented Mini Project
186		Seminar
187		Major Project Work
188		Computer Programming in C
189		Computer Programming in C Lab
190		Data Structures through C++
191		Object Oriented Programming through Java
192		Data Structures through C++ Lab
193		IT Workshop
194		Object Oriented Programming through Java Lab
195		Computer Organization
196		Database Management Systems
197		Operating Systems
198		Formal Languages and Automata Theory
199		Computer Organization Lab
200		Database Management Systems Lab
201		Operating Systems Lab
202		Principles of Programming Languages
203		Software Engineering
204		Compiler Design
205		Operating Systems
206		Computer Networks
207		Operating Systems Lab
208		Compiler Design Lab
209		Distributed Systems
210		Information Security
211		Object Oriented Analysis and Design
212	B.Tech-	Software Testing Methodologies
213	CSE	Web Technologies
214		Case Tools and Web Technologies Lab
215		Linux Programming
216		Design Patterns
217		Data Warehousing and Data Mining
218		Cloud Computing
219		Software Project Management
220		Mobile Computing
221		Machine Learning
222		Soft Computing
223		Information Retrieval Systems
224		Artificial Intelligence
225		Computer Forensics
226		Linux Programming Lab
227		Data Warehousing and Mining Lab
228		Web Services
229		Semantic Web and Social Networks
230		Scripting Languages
231		Multimedia & Rich Internet Applications

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232		Ad hoc and Sensor Networks
233		Storage Area Networks
234		Database Security
235		Industry Oriented Mini Project
236		Seminar
237		Project Work
238		Management and Organisational Behaviour
239		Business Economics
240		Financial Accounting & Analysis
241		Business Statistics
242		6A Business Research Methodology
243		6B Project Management
244		6C Technology Management
245		6D Rural Marketing
246		Human Resource Management
247		Marketing Management
248		Financial Management
249		Quantitative Analysis for Business Decisions
250		Entrepreneurship
251		Total Quality Management
252		Corporate Governance
253		International Business
254		Supply Chain Management
255		Summer Internship
256		Production & Operations Management
257		Strategic Management
258		Research Methodology
259		Personal Effectiveness - Seminar
260		Business Best Practices and Success
261		Stories of Emerging Leaders - Seminar
262		ENTREPRENEURSHIP
263	MBA	Management of Technology
264	EO	Pre Submission of Project –Seminar
265		Comprehensive Viva
266		Project
267		Consumer Behaviour
268		Sales and Distribution
269		Integrated Marketing Communications
270		Retailing Management
271		Services Marketing
272		International Marketing
273		Strategic Management Accounting
274		Security Analysis and Portfolio Management
275		Finance Institutions, Markets & Services
276		Strategic Investment and Financing Decisions
277		International Financial Management
278		Financial Derivatives
279		Performance Management
280		Training and Development

  
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281	Management of Industrial Relations
282	Compensation & Reward Management
283	International Human Resource Management
284	Leadership & Change Management
285	Business Intelligence
286	Database Management Systems
287	Decision Support Systems
288	E-Business
289	Knowledge Management
290	Information Systems, Control And Audit

  
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17-18

R16 B.TECH CIVIL ENGG.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.TECH. I YEAR COURSE STRUCTURE AND SYLLABUS (R16)**  
(Common for Civil, ME, AE, ME (M), MME, AU, Mining, Petroleum, CEE, ME (Nanotech))

Applicable From 2017-18 Admitted Batch

**I YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	MA102BS	Mathematics-II	4	1	0	4
3	PH103BS	Engineering Physics	3	0	0	3
4	CS104ES	Computer Programming in C	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	ME106ES	Engineering Graphics	2	0	4	4
7	PH107BS	Engineering Physics Lab	0	0	3	2
8	CS108ES	Computer Programming in C Lab	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		<b>Total Credits</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>24</b>

**I YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	AP201BS	Applied Physics	3	0	0	3
2	CH202BS	Engineering Chemistry	4	0	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	EN204HS	Professional Communication in English	3	0	0	3
5	EE205ES	Basic Electrical and Electronics Engineering	4	0	0	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	EN207HS	English Language Communication Skills Lab	0	0	3	2
8	ME208ES	Engineering Workshop	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		<b>Total Credits</b>	<b>18</b>	<b>1</b>	<b>9</b>	<b>24</b>

\*Mandatory Course- Satisfactory/Unsatisfactory



## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

## B.TECH. CIVIL ENGINEERING

## II, III, IV YEARS COURSE STRUCTURE &amp; SYLLABUS (R16)

Admitted From 2016-17 Admitted Batch

## II YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics - IV	4	1	0	4
2	CE302ES	Strength of Materials - I	4	1	0	4
3	CE303ES	Fluid Mechanics - I	4	1	0	4
4	CE304ES	Building Materials, Construction and Planning	3	0	0	3
5	CE305ES	Surveying	3	0	0	3
6	CE306ES	Strength of Material Lab	0	0	3	2
7	CE307ES	Computer Aided Drafting Lab	0	0	3	2
8	CE308ES	Surveying Lab - I	0	0	3	2
9	*MC300HS	Gender Sensitization Lab	0	0	3	0
		<b>Total Credits</b>	<b>18</b>	<b>3</b>	<b>12</b>	<b>24</b>

## II YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	CE401ES	Strength of Material - II	4	1	0	4
2	CE402ES	Fluid Mechanics - II	4	1	0	4
3	CE403ES	Structural Analysis	4	1	0	4
4	CV404ES	Engineering Geology	3	0	0	3
5	SM405MS	Business Economic and Financial Analysis	3	0	0	3
6	CE406ES	Fluid Mechanics Lab	0	0	3	2
7	CE408ES	Surveying Lab - II	0	0	3	2
8	CV407ES	Engineering Geology Lab	0	0	3	2
9	*MC400ES	Environmental Science and Technology	3	0	0	0
		<b>Total Credits</b>	<b>21</b>	<b>3</b>	<b>9</b>	<b>24</b>

**II YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A40008	Probability & Statistics	4	-	4
A40114	Strength of Materials II	4	-	4
A40111	Hydraulics & Hydraulic Machinery	4	-	4
A40009	Environmental Studies	4	-	4
A40115	Structural Analysis -I	4	-	4
A40109	Building Materials, Construction & Planning	4	-	4
A40186	Computer Aided Drafting of Buildings	-	3	2
A40190	Surveying Lab- II	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**III YEAR I SEMESTER**

Code	Subject	L	T/P/D	C
A50116	Concrete Technology	4	-	4
A50121	Reinforced Concrete Structures Design and Drawing	4	-	4
A50118	Engineering Geology	4	-	4
A50120	Geotechnical Engineering	4	-	4
A50122	Water Resources Engineering-I	4	-	4
	<b>Open Elective</b>	4	-	4
A50117	Disaster Management			
A50017	Intellectual Property Rights			
A50018	Human Values and Professional Ethics			
A50181	Fluid Mechanics & Hydraulic Machinery Lab	-	3	2
A50191	Engineering Geology Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**III YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A60130	Steel Structures Design and Drawing	3	2	4
A60119	Environmental Engineering	4		4
A60132	Transportation Engineering -I	4		4
A60126	Foundation Engineering	4		4
A60131	Structural Analysis -II	4		4
	<b>Elective -I</b>	4	-	4
A60123	Elements of Earthquake Engineering			
A60127	Ground Improvement Techniques			
A60128	Ground Water Hydrology			
A60124	Environmental Impact Assessment			
A60129	Principles of Entrepreneurship			
A60194	Geotechnical Engineering Lab	-	3	2
A60086	Advanced Communication Skills Lab	-	3	2
	<b>Total</b>	<b>23</b>	<b>8</b>	<b>28</b>



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**IV YEAR I SEMESTER**

Code	Subject	L	T/P/D	C
A70140	Remote Sensing & GIS	4	-	4
A70143	Transportation Engineering -II	4	-	4
A70138	Estimating & Costing	4	-	4
A70133	Water Resources Engineering-II	4	-	4
	<b>Elective-II</b>	4	-	4
A70330	Finite Element Methods			
A70134	Advanced Foundation Engineering			
A70145	Watershed Management			
A70136	Air Pollution and Control			
	<b>Elective-III</b>	4	-	4
A70135	Advanced Structural Design			
A70137	Earth and Rock fill Dams and Slope Stability			
A70144	Water Resources Systems Analysis			
A70139	Industrial Waste Water Treatment			
A70195	Concrete & Highway Materials Lab	-	3	2
A70192	Environmental Engineering Lab	-	3	2
	<b>Total</b>	24	6	28

**IV YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
	<b>Elective-IV</b>	4	-	4
A80151	Rehabilitation and Retrofitting of Structures			
A80148	Geo-Environmental Engineering			
A80147	Design and Drawing of Irrigation Structures			
A80141	Solid Waste Management			
A80150	Prestressed Concrete Structures	4	-	4
A80146	Construction Management	4	-	4
A80087	Industry Oriented Mini project	-	-	2
A80089	Seminar	-	6	2
A80088	Project Work	-	15	10
A80090	Comprehensive viva	-	-	2
	<b>Total</b>	12	21	28

Note: All End Examinations (Theory and Practical) are of three hours duration.  
T-Tutorial L – Theory P – Practical D-Drawing C – Credits

  
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## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

## B.TECH I YEAR COURSE STRUCTURE AND SYLLABUS (R16)

(Common for EEE, ECE, CSE, EIE, BME, IT, ETE, ECM, ICE)

Applicable From 2017-18 Admitted Batch

## I YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	CH102BS	Engineering Chemistry	4	0	0	4
3	PH103BS	Engineering Physics-I	3	0	0	3
4	EN104HS	Professional Communication in English	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	EE106ES	Basic Electrical and Electronics Engineering	4	0	0	4
7	EN107HS	English Language Communication Skills Lab	0	0	3	2
8	ME108ES	Engineering Workshop	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		<b>Total Credits</b>	<b>20</b>	<b>1</b>	<b>6</b>	<b>24</b>

## I YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Engineering Physics-II	3	0	0	3
2	MA202BS	Mathematics-II	4	1	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	CS204ES	Computer Programming in C	3	0	0	3
5	ME205ES	Engineering Graphics	2	0	4	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PH207BS	Engineering Physics Lab	0	0	3	2
8	CS208ES	Computer Programming in C Lab	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		<b>Total Credits</b>	<b>16</b>	<b>2</b>	<b>13</b>	<b>24</b>

\*Mandatory Course – Satisfactory/Unsatisfactory.

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

**B.TECH. ELECTRICAL AND ELECTRONICS ENGINEERING**  
**II, III, IV YEARS COURSE STRUCTURE & SYLLABUS (R16)**

Applicable From 2016-17 Admitted Batch

**II YEAR I SEMESTER**

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathamatics – IV	4	1	0	4
2	EE302ES	Electromagnetic Fields	4	1	0	4
3	EE303ES	Electrical Machines-I	4	1	0	4
4	EE304ES	Network Theory	3	0	0	3
5	EE305ES	Electronic Circuits	3	0	0	3
6	EE306ES	Electrical Machines Lab - I	0	0	3	2
7	EC306ES	Electronic Devices & Circuits Lab	0	0	3	2
8	EE307ES	Networks Lab	0	0	3	2
9	*MC300ES	Environmental Science and Technology	3	0	0	0
		<b>Total Credits</b>	<b>21</b>	<b>3</b>	<b>9</b>	<b>24</b>

**II YEAR II SEMESTER**

S. No.	Course Code	Course Title	L	T	P	Credits
1	EC401ES	Switching Theory & Logic Design	3	1	0	3
2	EE402ES	Power Systems - I	4	1	0	4
3	EE403ES	Electrical Machines – II	4	1	0	4
4	EE404ES	Control Systems	4	1	0	4
5	SM405MS	Business Economics and Financial Analysis	3	0	0	3
6	EE406ES	Control Systems Lab	0	0	3	2
7	EE407ES	Electrical Machines Lab - II	0	0	3	2
8	EE408ES	Electronic Circuits Lab	0	0	3	2
9	*MC400HS	Gender Sensitization Lab	0	0	3	0
		<b>Total Credits</b>	<b>18</b>	<b>4</b>	<b>12</b>	<b>24</b>

## II YEAR II SEMESTER

Code	Subject	L	T/P/D	C
A40010	Managerial Economics & Financial Analysis	4	-	4
A40214	Power Systems-I	4	-	4
A40413	Electronic Circuits	4	-	4
A40407	Switching Theory and Logic Design	4	-	4
A40213	Network Theory	4	-	4
A40212	Electrical Machines-II	4	-	4
A40287	Electrical Machines lab -I	-	3	2
A40286	Electrical Circuits and Simulation Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

## III YEAR I SEMESTER

Code	Subject	L	T/P/D	C
A50423	IC Applications	4	-	4
A50014	Management Science	4	-	4
A50221	Power Systems-II	4	-	4
A50211	Control Systems	4	-	4
A50220	Power Electronics	4	-	4
A50218	Electrical Machines-III	4	-	4
A50289	Electrical Machines lab -II	-	3	2
A50086	Advanced Communication Skills Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

## III YEAR II SEMESTER

Code	Subject	L	T/P/D	C
A60223	Electrical and Electronics Instrumentation	4	-	4
A60225	Static Drives	4	-	4
A60222	Computer Methods in Power Systems	4	-	4
A60430	Microprocessors and Interfacing Devices	4	-	4
A60009	Environmental Studies	4	-	4
	Open Elective	4	-	4
A60117	Disaster Management			
A60017	Intellectual Property Rights			
A60018	Human Values and Professional Ethics			
A60290	Control Systems and Simulation Lab	-	3	2
A60291	Power Electronics and Simulation Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>



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## IV YEAR I SEMESTER

Code	Subject	L	T/P/D	C
A70231	Switch Gear and Protection	4	-	4
A70232	Utilization of Electrical Energy	4	-	4
A70421	Digital Signal Processing	4	-	4
A70230	Power System Operation and Control	4	-	4
	Elective-I	4	-	4
A70228	High Voltage Engineering			
A70432	VLSI Design			
A70435	Digital Control Systems			
	Elective-II	4	-	4
A70229	Optimization Techniques			
A70226	Electrical Distribution Systems			
A70227	Electrical Estimation and Costing			
A70498	Microprocessors and Interfacing Devices Lab	-	3	2
A70293	Electrical Measurements Lab	-	3	2
	Total	24	6	28

## IV YEAR II SEMESTER

Code	Subject	L	T/P/D	C
A80237	Fundamentals of HVDC and FACTS Devices	4	-	4
	Elective-III	4	-	4
A80238	Neural Networks and Fuzzy Logic			
A80324	Renewable Energy Sources			
A80244	Principles of Reliability Engineering			
	Elective-IV	4	-	4
A80234	Advanced Control Systems			
A80235	EHV AC Transmission			
A82909	Nanotechnology			
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Project Work	-	15	10
A80090	Comprehensive Viva-Voce	-	-	2
	Total	12	21	28

Note: All End Examinations (Theory and Practical) are of three hours duration.  
T-Tutorial L – Theory P – Practical D-Drawing C – Credits

  
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2017-18

With effect from 02/08/2016

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

**B.TECII. COURSE STRUCTURE (2016-17)**

(Common for Civil, ME, AE, ME (M), MME, AU, Mining, Petroleum, CEE, ME (Nanotech))


**I YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	MA102BS	Mathematics-II	4	1	0	4
3	PH103BS	Engineering Physics	3	0	0	3
4	CS104ES	Computer Programming in C	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	ME106ES	Engineering Graphics	2	0	4	4
7	PH107BS	Engineering Physics Lab	0	0	3	2
8	CS108ES	Computer Programming in C Lab	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		Total Credits	18	2	10	24

**I YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	AP201BS	Applied Physics	3	0	0	3
2	CH202BS	Engineering Chemistry	4	0	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	EN204HS	Professional Communication in English	3	0	0	3
5	EE205ES	Basic Electrical & Electronics Engineering	4	0	0	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	EN207HS	English Language Communication Skills Lab	0	0	3	2
8	ME208ES	Engineering Workshop	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		Total Credits	18	1	9	24

\*Mandatory Course

  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.TECH. MECHANICAL ENGINEERING**

**COURSE STRUCTURE & SYLLABUS (2016-17)**

**II YEAR I SEMESTER**

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics - IV	4	1	0	4
2	ME304ES	Thermodynamics	4	1	0	4
3	ME302ES	Kinematics of Machinery	4	1	0	4
4	ME305ES	Metallurgy and Material Science	3	0	0	3
5	ME303ES	Mechanics of Solids	3	1	0	3
6	ME306ES	Fuels and Lubricants Lab	0	0	3	2
7	ME307ES	Mechanics of Solids Lab	0	0	3	2
8	ME308ES	Metallurgy and Material Science Lab	0	0	3	2
9	*MC300HS	Gender Sensitization Lab	0	0	3	0
		<b>Total Credits</b>	<b>18</b>	<b>4</b>	<b>12</b>	<b>24</b>

**II YEAR II SEMESTER**

S. No.	Course Code	Course Title	L	T	P	Credits
1	ME403ES	Dynamics of Machinery	4	1	0	4
2	ME401ES	Fluid Mechanics and Hydraulic Machines	4	1	0	4
3	ME404ES	Machine Drawing	2	0	4	4
4	ME405ES	Manufacturing Process	3	0	0	3
5	SM405MS	Business Economic and Financial Analysis	3	0	0	3
6	ME406ES	Kinematics and Dynamics Lab	0	0	3	2
7	ME407ES	Fluid Mechanics and Hydraulic Machines Lab	0	0	3	2
8	ME408ES	Manufacturing Process Lab	0	0	3	2
9	*MC400ES	Environmental Science and Technology	3	0	0	0
		<b>Total Credits</b>	<b>18</b>	<b>2</b>	<b>15</b>	<b>24</b>

\*Satisfactory/Unsatisfactory

  
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**II YEAR II SEMESTER**


Code	Subject	L	T/P/D	C
A40312	Production Technology	4	-	4
A40309	Kinematics of Machinery	4	-	4
A40313	Thermal Engineering -I	4	-	4
A40112	Mechanics of Fluids and Hydraulic Machines	4	-	4
A40310	Machine Drawing	-	6	4
A40006	Mathematics-II	4	-	4
A40382	Production Technology Lab	-	3	2
A40188	Mechanics of Fluids & Hydraulic Machines Lab	-	3	2
	<b>Total</b>	<b>20</b>	<b>12</b>	<b>28</b>

**III YEAR I SEMESTER**

Code	Subject	L	T/P/D	C
A50010	Managerial Economics and Financial Analysis	4	-	4
A50318	Engineering Metrology	4	-	4
A50317	Dynamics of Machinery	4	-	4
A50321	Machine Tools	4	-	4
A50316	Design of Machine Members -I	4	-	4
A50326	Thermal Engineering -II	4	-	4
A50384	Machine Tools & Metrology Lab	-	3	2
A50383	Thermal Engineering Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**III YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A62405	Automobile Engineering	4	-	4
A60330	Finite Element Methods	4	-	4
A60334	Refrigeration and Air Conditioning	4	-	4
A60329	Design of Machine Members - II	4	-	4
A60331	Heat Transfer	4	-	4
	Open Elective	4	-	4
A60117	Disaster Management			
A60017	Intellectual Property Rights			
A60018	Human Values and Professional Ethics			
A60387	Heat Transfer Lab	-	3	2
A60086	Advanced Communication Skills Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

  
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**IV YEAR I SEMESTER**

Code	Subject	L	T/P/D	C
A70352	Operations Research	4	-	4
A70353	Power Plant Engineering	4	-	4
A70328	CAD/CAM	4	-	4
A70343	Instrumentation and Control Systems	4	-	4
	<b>ELECTIVE - I</b>	4	-	4
A70355	Robotics			
A70346	Mechanical Vibrations			
A70348	Mechatronics			
A70347	Mechanics of Composite Materials			
A70332	Industrial Management			
	<b>ELECTIVE - II</b>	4	-	4
A70359	Unconventional Machining Processes			
A70337	CNC Technology			
A70336	Automation in Manufacturing			
A70339	Design for Manufacturing			
A72909	Nanotechnology			
A70390	Computer Aided Design & Manufacturing Lab	-	3	2
A70391	Production Drawing Practice and Instrumentation Lab	-	3	2
	<b>Total</b>	24	6	28

**IV YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A80356	Production Planning and Control	4	-	4
	<b>ELECTIVE - III</b>	4	-	4
A80527	Artificial Neural Networks			
A80367	Total Quality Management			
A80363	Maintenance and Safety Engineering			
A80365	Plant Layout & Material Handling			
	<b>ELECTIVE - IV</b>	4	-	4
A80324	Renewable Energy Sources			
A80362	Jet Propulsion & Rocket Engineering			
A80338	Computational Fluid Dynamics			
A80361	Gas Dynamics			
A80087	Industry Oriented Mini Project	-	-	2
A80099	Seminar	-	6	2
A80083	Project Work	-	15	10
A80090	Comprehensive Viva	-	-	2
	<b>Total</b>	12	21	28

Note: All End Examinations (Theory and Practical) are of three hours duration.  
 T-Tutorial L - Theory P - Practical D-Drawing C - Credits

  
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With effect from 02/08/2016

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

## B.Tech COURSE STRUCTURE (2016-17)

(Common for EEE, ECE, CSE, EIE, BME, IT, ETE, ECM, ICE)

## I YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	CH102BS	Engineering Chemistry	4	0	0	4
3	PH103BS	Engineering Physics-I	3	0	0	3
4	EN104HS	Professional Communication in English	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	EE106ES	Basic Electrical and Electronics Engineering	4	0	0	4
7	EN107HS	English Language Communication Skills Lab	0	0	3	2
8	ME108ES	Engineering Workshop	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		<b>Total Credits</b>	<b>20</b>	<b>1</b>	<b>6</b>	<b>24</b>

## I YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Engineering Physics-II	3	0	0	3
2	MA202BS	Mathematics-II	4	1	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	CS204ES	Computer Programming in C	3	0	0	3
5	ME205ES	Engineering Graphics	2	0	4	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PH207BS	Engineering Physics Lab	0	0	3	2
8	CS208ES	Computer Programming in C Lab	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		<b>Total Credits</b>	<b>16</b>	<b>2</b>	<b>13</b>	<b>24</b>

\* Mandatory Course.

  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.TECH. ELECTRONICS AND COMMUNICATION ENGINEERING**

**COURSE STRUCTURE & SYLLABUS (2016-17)**

**II YEAR I SEMESTER**

S. No.	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics – IV	4	1	0	4
2	EC302ES	Analog Electronics	4	1	0	4
3	EC303ES	Electrical Technology	4	1	0	4
4	EC304ES	Signals and Stochastic Process	3	1	0	3
5	EC305ES	Network Analysis	3	1	0	3
6	EC306ES	Electronic Devices and Circuits Lab	0	0	3	2
7	EC307ES	Basic Simulation Lab	0	0	3	2
8	EC308ES	Basic Electrical Engineering Lab	0	0	3	2
9	*MC300ES	Environmental Science and Technology	3	0	0	0
		<b>Total Credits</b>	<b>21</b>	<b>5</b>	<b>9</b>	<b>24</b>

**II YEAR II SEMESTER**

S. No.	Course Code	Course Title	L	T	P	Credits
1	EC401ES	Switching Theory and Logic Design	3	1	0	3
2	EC402ES	Pulse and Digital Circuits	4	0	0	4
3	EE404ES	Control Systems	4	1	0	4
4	EC405ES	Analog Communications	4	0	0	4
5	SM405MS	Business Economics and Financial Analysis	3	0	0	3
6	EC406ES	Analog Communications Lab	0	0	3	2
7	EC407ES	Pulse and Digital Circuits Lab	0	0	3	2
8	EC408ES	Analog Electronics Lab	0	0	3	2
9	*MC400HS	Gender Sensitization Lab	0	0	3	0
		<b>Total Credits</b>	<b>18</b>	<b>2</b>	<b>12</b>	<b>24</b>



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**II YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A40215	Principles of Electrical Engineering	4	-	4
A40412	Electronic Circuit Analysis	4	-	4
A40415	Pulse and Digital Circuits	4	-	4
A40009	Environmental Studies	4	—	4
A40411	Electromagnetic Theory and Transmission Lines	4	-	4
A40410	Digital Design using Verilog HDL	4	-	4
A40288	Electrical Technology Lab.	-	3	2
A40484	Electronic Circuits and Pulse Circuits Lab.	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**III YEAR I SEMESTER**

Code	Subject	L	T/P/D	C
A50217	Control Systems Engineering	4	-	4
A50516	Computer Organization and Operating Systems	4	-	4
A50418	Antennas and Wave Propagation	4	-	4
A50422	Electronic Measurements and Instrumentation	4	-	4
A50408	Analog Communications	4	-	4
A50425	Linear and Digital IC Applications	4	-	4
A50482	Analog Communications Lab.	-	3	2
A50488	IC Applications and HDL Simulation Lab.	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**III YEAR II SEMESTER**

Code	Subject	L	T/P/D	C	
A60010	Managerial Economics and Financial Analysis	4	-	4	
A60018	Open Elective: Human Values and Professional Ethics	4	-	4	
A60117					Disaster Management
A60017					Intellectual Property Rights
A60420	Digital Communications	4	-	4	
A60432	VLSI Design	4	-	4	
A60430	Microprocessors and Microcontrollers	4	-	4	
A60421	Digital Signal Processing	4	-	4	
A60494	Microprocessors and Microcontrollers Lab.	-	3	2	
A60493	Digital Signal Processing Lab.	-	3	2	
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>	



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**IV YEAR I SEMESTER**

Code	Subject	L	T/P/D	C
A70014	Management Science	4	-	4
A70442	Microwave Engineering	4	-	4
A70515	Computer Networks	4	-	4
A70434	Cellular and Mobile Communications	4	-	4
	<b>Elective -I:</b>	4	-	4
A70436	Digital Image Processing			
A70443	Multimedia and Signal Coding			
A70505	Object Oriented Programming through Java			
	<b>Elective -II:</b>	4	-	4
A70447	Television Engineering			
A70444	Optical Communications			
A70440	Embedded Systems Design			
A70086	Advanced Communication Skills Lab.	-	3	2
A70499	Microwave Engineering and Digital Communications Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**IV YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
	<b>Elective -III:</b>	4	-	4
A80452	Satellite Communications			
A81102	Biomedical Instrumentation			
A80527	Artificial Neural Networks			
	<b>Elective -IV:</b>	4	-	4
A80431	Telecommunication Switching Systems and Networks			
A80450	Radar Systems			
A80449	Network Security			
	<b>Elective -V:</b>	4	-	4
A80454	Wireless Communications and Networks			
A80437	Digital Signal Processors and Architectures			
A80451	RF Circuit Design			
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Major Project Work	-	15	10
A80090	Comprehensive Viva	-	-	2
	<b>Total</b>	<b>12</b>	<b>21</b>	<b>28</b>

Note: All End Examinations (Theory and Practical) are of three hours duration.  
T-Tutorial L – Theory P – Practical D-Drawing C – Credits

  
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**Sanskrit College of Engg. & Technology**  
Kondapur (V), Ghatkesar (M), R.R. Dist

17-18

With effect from 02/08/2016

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

## B.Tech COURSE STRUCTURE (2016-17)

(Common for EEE, ECE, CSE, EIE, BME, IT, ETE, ECM, ICE)

## I YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	CH102BS	Engineering Chemistry	4	0	0	4
3	PH103BS	Engineering Physics-I	3	0	0	3
4	EN104HS	Professional Communication in English	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	EE106ES	Basic Electrical and Electronics Engineering	4	0	0	4
7	EN107HS	English Language Communication Skills Lab	0	0	3	2
8	ME108ES	Engineering Workshop	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		<b>Total Credits</b>	<b>20</b>	<b>1</b>	<b>6</b>	<b>24</b>

## I YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Engineering Physics-II	3	0	0	3
2	MA202BS	Mathematics-II	4	1	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	CS204ES	Computer Programming in C	3	0	0	3
5	ME205ES	Engineering Graphics	2	0	4	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PH207BS	Engineering Physics Lab	0	0	3	2
8	CS208ES	Computer Programming in C Lab	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		<b>Total Credits</b>	<b>16</b>	<b>2</b>	<b>13</b>	<b>24</b>

\*Mandatory Course.

  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.TECH. COMPUTER SCIENCE AND ENGINEERING**

**COURSE STRUCTURE & SYLLABUS (2016-17)**

**II YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	MA301BS	Mathematics – IV	4	1	0	4
2	CS302ES	Data Structures through C++	4	0	0	4
3	CS303ES	Mathematical Foundations of Computer Science	4	0	0	4
4	CS304ES	Digital Logic Design	3	0	0	3
5	CS305ES	Object Oriented Programming through Java	3	0	0	3
6	CS306ES	Data Structures through C++ Lab	0	0	3	2
7	CS307ES	IT Workshop	0	0	3	2
8	CS308ES	Object Oriented Programming through Java Lab	0	0	3	2
9	* MC300ES	Environmental Science and Technology	3	0	0	0
		<b>Total Credits</b>	<b>21</b>	<b>1</b>	<b>9</b>	<b>24</b>

**II YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	CS401BS	Computer Organization	4	0	0	4
2	CS402ES	Database Management Systems	4	0	0	4
3	CS403ES	Operating Systems	4	0	0	4
4	CS404ES	Formal Languages and Automata Theory	3	0	0	3
5	SM405MS	Business Economics and Financial Analysis	3	0	0	3
6	CS406ES	Computer Organization Lab	0	0	3	2
7	CS407ES	Database Management Systems Lab	0	0	3	2
8	CS408ES	Operating Systems Lab	0	0	3	2
9	* MC400HS	Gender Sensitization Lab	0	0	3	0
		<b>Total Credits</b>	<b>18</b>	<b>0</b>	<b>12</b>	<b>24</b>

\* Satisfactory/Unsatisfactory

  
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**II YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A40506	Computer Organization	4	-	4
A40507	Database Management Systems	4	-	4
A40503	Java Programming	4	-	4
A40009	Environmental studies	4	-	4
A40509	Formal Languages and Automata Theory	4	-	4
A40508	Design and Analysis of Algorithms	4	-	4
A40585	Java Programming Lab	-	3	2
A40584	Database Management Systems Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**III YEAR I SEMESTER**

Code	Subject	L	T/P/D	C
A50511	Principles of Programming Languages	4	-	4
	<b>OPEN ELECTIVE</b>	4	-	4
A50018	Human Values and Professional Ethics			
A50017	Intellectual Property Rights			
A50117	Disaster Management			
A50518	Software Engineering	4	-	4
A50514	Compiler Design	4	-	4
A50510	Operating Systems	4	-	4
A50515	Computer Networks	4	-	4
A50589	Operating Systems Lab	-	3	2
A50587	Compiler Design Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**III YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A60521	Distributed Systems	4	-	4
A60522	Information Security	4	-	4
A60524	Object Oriented Analysis and Design	4	-	4
A60525	Software Testing Methodologies	4	-	4
A60010	Managerial Economics and Financial Analysis	4	-	4
A60512	Web Technologies	4	-	4
A60591	Case Tools and Web Technologies Lab	-	3	2
A60086	Advanced Communication Skills Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

  
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**IV YEAR I SEMESTER**

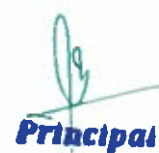
Code	Subject	L	T/P/D	C
A70511	Linux Programming	4	-	4
A70530	Design Patterns	4	-	4
A70520	Data Warehousing and Data Mining	4	-	4
A70519	Cloud Computing	4	-	4
	<b>ELECTIVE - I</b>	4	-	4
A70540	Software Project Management			
A70532	Image processing and Pattern Recognition			
A70536	Mobile Computing			
A70529	Computer Graphics			
A70352	Operations Research			
	<b>ELECTIVE - II</b>	4	-	4
A70534	Machine Learning			
A70539	Soft Computing			
A70533	Information Retrieval Systems			
A70526	Artificial Intelligence			
A70628	Computer Forensics			
A70596	Linux Programming Lab	-	3	2
A70595	Data Warehousing and Mining Lab	-	3	2
	<b>Total</b>	<b>24</b>	<b>6</b>	<b>28</b>

**IV YEAR II SEMESTER**

Code	Subject	L	T/P/D	C
A80014	Management Science	4	-	4
	<b>ELECTIVE III</b>	4	-	4
A80551	Web Services			
A80538	Semantic Web and Social Networks			
A80537	Scripting Languages			
A80547	Multimedia & Rich Internet Applications			
	<b>ELECTIVE - IV</b>	4	-	4
A80542	Ad hoc and Sensor Networks			
A80550	Storage Area Networks			
A80543	Database Security			
A80439	Embedded Systems			
A80087	Industry Oriented Mini Project	-	-	2
A80089	Seminar	-	6	2
A80088	Project Work	-	15	10
A80090	Comprehensive Viva	-	-	2
	<b>Total</b>	<b>12</b>	<b>21</b>	<b>28</b>

Note: All End Examinations (Theory and Practical) are of three hours duration.

T-Tutorial L - Theory P - Practical D-Drawing C - Credits



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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
**MASTER OF BUSINESS ADMINISTRATION (MBA) R17**  
 Academic Year 2018 - 19

**COURSE STRUCTURE AND SYLLABUS**

**I Semester**

Course Code	Course Title	Int. marks	Ext. marks	L	T	P	C
17MBA01	Management and Organisational Behaviour	25	75	3	1	0	4
17MBA02	Business Economics	25	75	3	1	0	4
17MBA03	Financial Accounting & Analysis	25	75	3	1	0	4
17MBA04	Business Statistics	25	75	3	1	0	4
17MBA05	Business Law and Ethics	25	75	3	1	0	4
OPEN ELECTIVE-I 17MBA06	6A Business Research Methodology 6B Project Management 6C Technology Management 6D Rural Marketing	25	75	3	0	0	3
17MBA07	Business Communication - Lab	100	-	0	0	3	2
<b>TOTAL</b>		<b>250</b>	<b>450</b>	<b>18</b>	<b>5</b>	<b>3</b>	<b>25</b>

**II Semester**

Course Code	Course Title	Intl marks	Ext marks	L	T	P	C
17MBA08	Human Resource Management	25	75	3	1	0	4
17MBA09	Marketing Management	25	75	3	1	0	4
17MBA10	Financial Management	25	75	3	1	0	4
17MBA11	Quantitative Analysis for Business Decisions	25	75	3	1	0	4
17MBA12	Entrepreneurship	25	75	3	1	0	4
OPEN ELECTIVE-II 17MBA13	13A Total Quality Management 13B Corporate Governance 13C International Business 13D Supply Chain Management	25	75	3	0	0	3
17MBA14	Summer Internship	100	-	0	0	3	2
<b>TOTAL</b>		<b>250</b>	<b>450</b>	<b>18</b>	<b>5</b>	<b>3</b>	<b>25</b>

  
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**II Year – I Semester**

Category	Course Title	Int. marks	Ext. marks	L	P	C
Core Course I	PRODUCTION & OPERATIONS MANAGEMENT	25	75	3	-	3
Core Course II	STRATEGIC MANAGEMENT	25	75	3	-	3
Core Course III	RESEARCH METHDOLOGY	25	75	3	-	3
Core Elective I	(MRKG/HRM/FIN/SYS)	25	75	3	-	3
Core Elective II	(MRKG/HRM/FIN/SYS)	25	75	3	-	3
Core Elective III	(MRKG/HRM/FIN/SYS)	25	75	3	-	3
Seminar	PERSONAL EFFECTIVENESS - SEMINAR	50	-	-	4	2
Seminar	BUSINESS BEST PRACTICES AND SUCCESS STORIES OF EMERGING LEADERS - SEMINAR	50	-	-	4	2
<b>Total Credits</b>				<b>18</b>	<b>8</b>	<b>22</b>

**II Year - II Semester**

Category	Course Title	Int. marks	Ext. marks	L	P	C
Core Course I	ENTREPRENUERSHIP	25	75	3	-	3
Core Course II	MANAGEMENT OF TECHNOLOGY	25	75	3	-	3
Core Elective IV	(MRKG/HRM/FIN/SYS)	25	75	3	-	3
Core Elective V	(MRKG/HRM/FIN/SYS)	25	75	3	-	3
Core Elective VI	(MRKG/HRM/FIN/SYS)	25	75	3	-	3
Seminar	PRE SUBMISSION OF PROJECT - SEMINAR	50	-	-	4	2
	COMPREHENSIVE VIVA	-	100	-	4	2
	PROJECT	25	75	-	-	3
<b>Total Credits</b>				<b>15</b>	<b>8</b>	<b>22</b>

**CORE ELECTIVE STREAMS (choose any one stream subjects as Core Electives)****MARKETING ELECTIVES**

CONSUMER BEHAVIOUR

SALES AND DISTRIBUTION

INTEGRATED MARKETING COMMUNICATIONS

RETAILING MANAGEMENT

SERVICES MARKETING

INTERNATIONAL MARKETING

**FINANCE ELECTIVES**

STRATEGIC MANAGEMENT ACCOUNTING

SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

FINANCIAL INSTITUTIONS, MARKETS &amp; SERVICES

STRATEGIC INVESTMENT AND FINANCING DECISIONS

INTERNATIONAL FINANCIAL MANAGEMENT

FINANCIAL DERIVATIVES

**HR ELECTIVES**


PERFORMANCE MANAGEMENT

TRAINING AND DEVELOPMENT

MANAGEMENT OF INDUSTRIAL RELATIONS

Principal

COMPENSATION & REWARD MANAGEMENT
INTERNATIONAL HUMAN RESOURCE MANAGEMENT
LEADERSHIP & CHANGE MANAGEMENT
<b>SYSTEMS ELECTIVES</b>
BUSINESS INTELLIGENCE
DATABASE MANAGEMENT SYSTEMS
DECISION SUPPORT SYSTEMS
E-BUSINESS
KNOWLEDGE MANAGEMENT
INFORMATION SYSTEMS, CONTROL AND AUDIT

  
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