



## SANTHIRAM ENGINEERING COLLEGE :: NANDYAL

Approved by AICTE, New Delhi: Permanently Affiliated to JNT University, Anantapuramu,  
An ISO 9001:2015 Certified Institution

Recognition of the college under 2 (f) & 12 (B) of the UGC ACT, 1956

NH-40, Nandyal – 518501 :: Kurnool Dist. A.P.

### Department of Electrical & Electronics Engineering

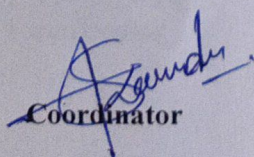
#### Syllabus Analysis

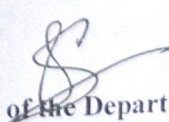
Regulation: R15

Program Name: B.Tech – Electrical & Electronics Engineering

Course category	TOTAL				
	L	T	P	Dr	C
Basic Sciences BSC	21	7	8	0	25
Humanities, Social Sciences and Management HSSMC	12	4	6	0	14
Engineering Sciences ESC	21	7	20	6	34
Program Core PCC	51	17	32	0	69
Program Elective PEC	18	6	0	0	18
Open Elective OEC	0	0	0	0	0
Project PROJ	0	0	24	0	12
Seminar/Internship/Viva SEM	0	0	8	0	4
Other MC	2	0	2	0	0
<b>Total</b>	<b>125</b>	<b>41</b>	<b>100</b>	<b>6</b>	<b>176</b>

Course category	Percentage				
	L	T	P	Dr	C
Basic Sciences BSC	16.80	17.07	8.00	0.00	14.20
Humanities, Social Sciences and Management HSSMC	9.60	9.75	6.00	0.00	7.95
Engineering Sciences ESC	16.80	17.07	20.00	100.00	19.31
Program Core PCC	40.80	41.46	32.00	0.00	39.20
Program Elective PEC	14.40	14.63	0.00	0.00	10.22
Open Elective OEC	0.00	0.00	0.00	0.00	0.00
Project PROJ	0.00	0.00	24.00	0.00	6.81
Seminar/Internship/Viva SEM	0.00	0.00	8.00	0.00	2.22
Other MC	1.60	0.00	2.00	0.00	0.00

  
Coordinator

  
Head of the Department



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NH-40, Nandyal - 518501:: Kurnool

## Department of MECHANICAL ENGINEERING


### Syllabus Analysis


Regulation: R15

Program Name: B.Tech - ME (03)

Course category	Total				
	L	T	P	Drg	C
Basic Sciences BSC	18	6	12	0	24
Humanities, Social Sciences and Management HSSMC	18	6	0	0	18
Engineering Sciences ESC	3	1	0	0	3
Program Core PCC	63	29	36	6	90
Program Elective PEC	12	4	0	0	12
Open Elective OEC	6	2	0	0	6
Project PROJ			24	0	12
Seminar/Internship/Viva SEM			8	0	4
Other MC	2	0	2	0	0
<b>Total</b>	<b>122</b>	<b>48</b>	<b>82</b>	<b>6</b>	<b>169</b>

Course category	Percentages				
	L	T	P	Drg	C
Basic Sciences BSC	14.75	12.5	14.63	0	14.20
Humanities, Social Sciences and Management HSSMC	14.75	12.5	0	0	10.65
Engineering Sciences ESC	2.45	2.08	0	0	1.77
Program Core PCC	51.63	60.41	43.90	100	53.25
Program Elective PEC	9.83	8.33	0	0	7.10
Open Elective OEC	4.91	4.166	0	0	3.55
Project PROJ			29.26	0	7.10
Seminar/Internship/Viva SEM			9.75	0	2.36
Other MC	1.63	0	2.43	0	0

  
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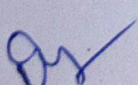
## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

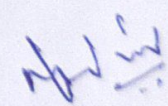
**Regulation: R15**

Program Name: B. TechECE (04)

Course category	Total				
	L	T	P	Drg	C
Basic Sciences BSC	15	5	8		19
Humanities, Social Sciences and Management HSSMC	14	4	8		14
Engineering Sciences ESC	12	4	8	06	19
Program Core PCC	66	22	44		88
Program Elective PEC	12	4	0		12
Open Elective OEC	6	2	0		6
Project PROJ			24		12
Seminar/Internship/Viva SEM			8		4
Other MC	0	0	0		2
<b>Total</b>	<b>125</b>	<b>41</b>	<b>100</b>	<b>06</b>	<b>176</b>

Course category	Percentages				
	L	T	P	Drg	C
Basic Sciences BSC	12	12.1	8		10.79
Humanities, Social Sciences and Management HSSMC	11.2	9.7	8		7.9
Engineering Sciences ESC	9.6	9.7	8	100	10.79
Program Core PCC	52.8	53.6	44		50
Program Elective PEC	9.6	9.7	0		6.8
Open Elective OEC	4.8	4.8	0		3.4
Project PROJ	0	0	24		6.8
Seminar/Internship/Viva SEM	0	0	0		2.2
Other MC	0	0	0	06	1.1

  
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NH-40, Nandyal-518501: Kurnool Dist. A.P.

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

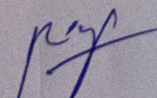
**Syllabus Analysis**

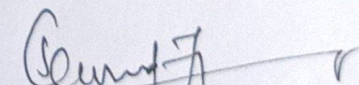
**Regulation: R15**

Program Name: Computer Science & Engineering

Course category	Total				
	L	T	P	Dr	C
Basic Sciences BSC	18	6	8	0	22
Humanities, Social Sciences and Management HSSMC	17	5	8	0	17
Engineering Sciences ESC	9	3	12	6	18
Program Core PCC	57	19	40	0	77
Program Elective PEC	21	8	0	0	24
Open Elective OEC	0	0	0	0	0
Project PROJ	0	0	24	0	12
Seminar/Internship/Viva SEM	0	0	8	0	6
Other MC	0	0	0	0	0
<b>Total</b>	<b>122</b>	<b>41</b>	<b>100</b>	<b>6</b>	<b>176</b>

Course category	Percentages				
	L	T	P	Dr	C
Basic Sciences BSC	14.75	13.95	7.92	0.00	12.72
Humanities, Social Sciences and Management HSSMC	13.93	11.63	7.92	0.00	9.83
Engineering Sciences ESC	7.38	6.98	11.88	100.00	10.40
Program Core PCC	46.72	44.19	39.60	0.00	44.51
Program Elective PEC	17.21	18.60	0.00	0.00	13.87
Open Elective OEC	0.00	0.00	0.00	0.00	0.00
Project PROJ	0.00	0.00	23.76	0.00	6.94
Seminar/Internship/Viva SEM	0.00	0.00	7.92	0.00	3.47
Other MC	0.00	0.00	0.00	0.00	0.00

  
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NH-40, Nandyal - 518501:: Kurnool

## DEPARTMENT OF MBA

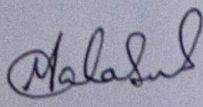
### Syllabus Analysis

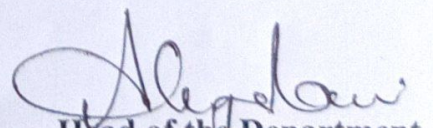
Regulation: R-17

Program Name: MBA

Course category	Total			
	L	T	P	C
Basic Sciences BSC	8	-	-	8
Humanities, Social Sciences and Management HSSMC	2	-	6	6
Program Core	60	-	9	66
Program Elective	24			24
Open Elective	-	-	-	-
Summer Project PROJ			12	10
Seminar/Internship	-	-	3	2
Final dissertation	-	-	-	-
Any other (specify)	-	-	-	-
<b>Total</b>	<b>94</b>	<b>-</b>	<b>30</b>	<b>116</b>

Course category	Percentages			
	L	T	P	C
Basic Sciences BSC	8.5%	-	-	6.89%
Humanities, Social Sciences and Management HSSMC	2.12%	-	20%	5.17%
Program Core	63.82%	-	30%	56.89%
Program Elective	25.53%	-	-	20.68%
Open Elective	-	-	-	
Summer Project PROJ	-	-	40%	8.62%
Seminar/Internship	-	-	10%	1.72%
Final dissertation	-	-	-	-
Any other (specify)	-	-	-	-

  
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING Syllabus Analysis

Regulation:R17

Program Name:M. Tech-ECE(VLSI SYSTEM DESIGN)

Course category	Total			
	L	T	P	C
Basic Sciences BSC	0	0	0	0
Humanities, Social Sciences and Management HSSMC	0	0	0	0
Engineering Sciences ESC	4	0	3	6
Program Core PCC	28	0	9	34
Program Elective PEC	12	0	0	12
Open Elective OEC	4	0	0	4
Project PROJ	0	0	0	16
Seminar/Internship/Viva SEM	0	0	0	6
Other MC	0	0	0	0
<b>Total</b>	<b>48</b>	<b>0</b>	<b>12</b>	<b>78</b>

Course category	Percentages			
	L	T	P	C
Basic Sciences BSC	0	0	0	0
Humanities, Social Sciences and Management HSSMC	0	0	0	0
Engineering Sciences ESC	8.33	0	25	7.69
Program Core PCC	58.33	0	75	43.58
Program Elective PEC	25	0	0	15.38
Open Elective OEC	8.33	0	0	5.12
Project PROJ	0	0	0	20.51
Seminar/Internship/Viva SEM	0	0	0	7.69
Other MC	0	0	0	0

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


#### ELECTIVE COURSES OFFERED

**Regulation: R-15**

Program Name: B.Tech

COURSE NAME	L	T	P	Drg	C	Course category <sup>##</sup>
MOOCS-I	3	1		-	3	PEC
CBCC-I	3	1		-	3	PEC
CBCC-II	3	1		-	3	PEC
CBCC-III	3	1		-	3	PEC
MOOCS-II	3	1		-	3	PEC
MOOCS-III	3	1		-	3	PEC
Total	18	6			18	

  
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### DEPARTMENT OF MECHANICAL ENGINEERING

#### ELECTIVE COURSES OFFERED

**Regulation: R-15**

Program Name: B.Tech

COURSE NAME	L	T	P	Drg	C	Course category <sup>##</sup>
MOOCS-I	3	1		-	3	OEC
CBCC-I	3	1		-	3	OEC
CBCC-II	3	1		-	3	PEC
CBCC-III	3	1		-	3	PEC
MOOCS-II	3	1		-	3	PEC
MOOCS-III	3	1		-	3	PEC
Total	18	6			18	

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### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

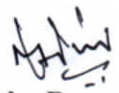
#### ELECTIVE COURSES OFFERED

**Regulation: R-15**

Program Name: B.Tech

COURSE NAME	L	T	P	Drg	C	Course category <sup>##</sup>
MOOCS-I	3	1		-	3	PEC
CBCC-I	3	1		-	3	PEC
CBCC-II	3	1		-	3	PEC
CBCC-III	3	1		-	3	PEC
MOOCS-II	3	1		-	3	OEC
MOOCS-III	3	1		-	3	OEC
Total	18	6			18	

  
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### DEPARTMENT OF COMPUTERSCIENCE AND ENGINEERING

#### ELECTIVE COURSES OFFERED

**Regulation: R-15**

Program Name: B.Tech

COURSE NAME	L	T	P	Drg	C	Course category <sup>##</sup>
MOOCS-I	3	1		-	3	PEC
CBCC-I	3	1		-	3	PEC
CBCC-II	3	1		-	3	PEC
CBCC-III	3	1		-	3	PEC
MOOCS-II	3	1		-	3	PEC
MOOCS-III	3	1		-	3	PEC
Total	18	6			18	

  
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### DEPARTMENT OF MBA

### ELECTIVE COURSES OFFERED

**Regulation: R-17**

Program Name: MBA

COURSE NAME	L	T	P	C	Course category <sup>##</sup>
ELECTIVE-1	4	-	-	4	PE
ELECTIVE-2	4	-	-	4	PE
ELECTIVE-3	4	-	-	4	PE
ELECTIVE-4	4	-	-	4	PE
ELECTIVE-5	4	-	-	4	PE
ELECTIVE-6	4	-	-	4	PE
Total	24			24	

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### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

#### ELECTIVE COURSES OFFERED

**Regulation: R-17**

Program Name: M.Tech-ECE (VLSI SYSTEM DESIGN)

COURSE NAME	L	T	P	Drg	C	Course category <sup>##</sup>
ELECTIVE-1	3			-	3	PEC
ELECTIVE-2	3			-	3	PEC
ELECTIVE-3	3			-	3	PEC
ELECTIVE-4	3			-	3	PEC
ELECTIVE-5	4			-	4	OEC
Total	16				16	

  
Coordinator

  
Head of the Department