

## R15 BOS MINUTES CSE

3. In place of electives namely Operation Research, Semantic Web & Social Networks, Storage Area Network the following are proposed to be included as CSE Electives

Subject Name	Year and Semester	CSE- Elective
ADVANCED DATABASE MANAGEMENT	III Year II Semester	I
INFORMATION SYSTEMS & AUDITING	IV Year I Semester	II
DISTRIBUTED DATABASES	IV Year I Semester	II
SOFT COMPUTING	IV Year I Semester	III
BUSINESS INTELLIGENCE & BIG DATA	IV Year I Semester	III
SERVICE ORIENTED ARCHITECTURE	IV Year II Semester	IV

The syllabus for the above mentioned CSE electives has been adapted from JNTUH affiliated college M.Tech R13 syllabus.

4. There shall be no change in lab master of the university.
5. All other subjects are as per JNTUH affiliated syllabus of R13 with minor reshuffling wherever appropriate.

The chairman thanked members for the advice and cooperation



  
**Chairman**  
**BOS-CSE**

**COURSE STRUCTURE**  
 (Applicable from the batch admitted from 2015-16 onwards)

I YEAR		I SEMESTER				
S No	CODE	Subject	L	T	P	Credits
1	A9001	Mathematics-I	4	0	0	4
2	A9007	Applied Physics	4	0	0	4
3	A9012	English	3	0	0	3
4	A9303	Engineering Graphics	2	0	4	4
5	A9501	Problem Solving and Computer programming	4	0	0	4
6	A9008	Applied Physics Lab	0	0	3	2
7	A9502	Problem Solving and Computer programming Lab	0	0	3	2
8	A9503	Information Technology workshop	0	0	3	2
<b>Total Credits</b>			<b>17</b>	<b>0</b>	<b>13</b>	<b>25</b>

I YEAR		II SEMESTER				
S No	CODE	Subject	L	T	P	Credits
1	A9002	Mathematics-II	3	1	0	4
2	A9203	Basic Electrical & Electronics Engineering	3	1	0	4
3	A9011	Engineering Chemistry	3	0	0	3
4	A9506	Data Structures through C++	4	0	0	4
5	A9013	English Language Communication Skills	0	0	3	2
6	A9204	Basic Electrical & Electronics Engineering Lab	0	0	3	2
7	A9306	Engineering Workshop	0	0	3	2
8	A9507	Data Structures through C++ Lab	0	0	3	2
<b>Total Credits</b>			<b>13</b>	<b>2</b>	<b>12</b>	<b>23</b>

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**I SEMESTER**

II YEAR		I SEMESTER				
S No	Code	Subject	L	T	P	Credits
1	A9510	Mathematical Foundations of Computer Science	4	0	0	4
2	A9450	Digital Logic Design & Micro Processors	3	0	0	3
3	A9511	Database Management Systems	4	0	0	4
4	A9512	Object Oriented Programming Through Java	4	0	0	4
5	A9513	Computer Organization & Architecture	3	1	0	3
6	A9452	Digital Logic Design & Micro Processor Lab	0	0	3	2
7	A9514	Database Management Systems Lab	0	0	3	2
8	A9515	Object Oriented Programming Through Java Lab	0	0	3	2
9	A9014	Environmental studies	2	0	0	0
<b>Total</b>			<b>20</b>	<b>1</b>	<b>9</b>	<b>24</b>

**II SEMESTER**

II YEAR		II SEMESTER				
S No	Code	Subject	L	T	P	Credits
1	A9016	Statistical Methods for Engineers	3	0	0	3
2	A9516	Design and Analysis of Algorithms	3	1	0	3
3	A9517	Formal Languages and Automata Theory	4	0	0	4
4	A9518	Operating Systems	4	0	0	4
5	A9519	Advanced Java Tools	4	0	0	4
6	A9520	Advanced Java Tools Lab	0	0	3	2
7	A9521	Operating Systems Lab	0	0	3	2
8	A9522	Web Technologies Lab-I	0	0	3	2
9	A9019	Gender Sensitization	2	0	0	0
<b>Total</b>			<b>20</b>	<b>1</b>	<b>9</b>	<b>24</b>

I SEMESTER

III YEAR

No	Group	Code	Subject	L	T	P	Credits	
1	CSE	A9523	Data Communications & Computer Networks	3	1	0	3	
2	CSE	A9524	Compiler Design	4	0	0	4	
3	CSE	A9525	Software Engineering	4	0	0	4	
4	CSE	A9526	Data Warehousing and Data Mining	3	1	0	3	
5	CSE	A9559	Object Oriented Analysis and Design	3	1	0	3	
6	Open Elective-I	A9626	1. Intellectual Property Rights	3	0	0	3	
		A9121	2. Disaster Management					
		A9621	3. Managerial Economics and Financial Analysis					
		A9022	4. Human Values and Professional Ethics					
7	CSE	A9528	Computer Networks and Compiler Design Lab	0	0	3	2	
8	CSE	A9529	Case Tools and Data mining Lab	0	0	3	2	
Hrs:29				<b>Total</b>	20	3	6	<b>24</b>

III YEAR

II SEMESTER

S No	Group	Code	Subject	L	T	P	Credits	
1	CSE	A9530	Network Programming	4	1	0	4	
2	CSE	A9531	Software Testing Methodology	4	1	0	4	
3	CSE	A9532	Mobile Computing	4	1	0	4	
4	CSE Electives-I	A9533	1. Advanced DBMS	3	0	0	3	
		A9534	2. Design Patterns					
		A9535	3. Embedded Systems					
		A9527	4. Principles of Programming Languages					
5	Inter Department Elective	A9122	1. Air pollution Control*	3	0	0	3	
		A9426	2. Biomedical Instrumentation**					
		A9433	3. Digital Image Processing**					
		A9622	4. Management Science***					
6	BSH	A9024	Technical Communications Skills Lab	0	0	3	2	
7	CSE	A9536	Network Programming Lab	0	0	3	2	
8	CSE	A9537	Software Testing Lab	0	0	3	2	
Hrs:30				<b>Total</b>	18	3	9	<b>24</b>

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The subject offering branch is indicated by “\*\*s” in the suffix. Civil Engineering indicated by \* Electronics and Communications Engineering indicated by \*\*, MBA department indicated by \*\*\*.

IV YEAR				I SEMESTER			
S No	Group	Code	Subject	L	T	P	Credits
1	CSE	A9538	Network Security & Cryptography	3	1	0	3
		A9539	Web Services				
		A9540	1. Cloud Computing				
2	CSE	A9541	2. Information Systems and Auditing	4	0	0	4
		A9542	3. Distributed Databases				
		A9543	4. Artificial Intelligence				
3	CSE Elective-II	A9562	5. Multimedia & Rich Internet Applications	4	0	0	4
		A9563	6. Scripting Languages				
		A9544	1. Soft Computing				
		A9545	2. Business Intelligence and Big Data				
4	CSE Elective-III	A9546	3. Software Project Management	4	0	0	4
		A9547	4. Computer Graphics				
		A9560	5. Distributed Systems				
		A9561	6. Database Security				
		A9330	1. Nano Technology *				
5	Open Elective-II	A9624	2. Entrepreneurship Development**	3	0	0	3
		A9424	3. Telecommunications & Switching Networks***				
		A9548	Industry Oriented Mini Project				
6	CSE	A9549	Network Security & Cryptography Lab	0	0	3	2
7	CSE	A9550	Web Technologies Lab-II	0	0	3	2
8	CSE	Hrs:25	<b>Total</b>	18	1	6	<b>24</b>

The subject offering branch is indicated by “\*\*s” in the suffix. Mechanical Engineering indicated by \*. Department of MBA indicated by \*\*. Electronics and Communications Engineering indicated by \*\*\*.



# R15

## II SEMESTER

IV YEAR		II SEMESTER					
S No	Group	Code	Subject	L	T	P	Credits
1	CSE	A9551	Internet of Things	4	0	0	4
2	CSE Elective-IV	A9552	1. Internet Technologies	4	0	0	4
		A9553	2. Service Oriented Architecture				
		A9554	3. Information Retrieval Systems				
		A9555	4. Computer Forensics				
		A9563	5. Machine Learning				
		A9564	6. Ad hoc Sensor Networks				
3	CSE	A9556	Seminar	0	0	3	4
4	CSE	A9557	Comprehensive Viva	0	0	0	8
5	CSE	A9558	Major Project	0	0	15	8
<b>Total</b>				<b>8</b>	<b>0</b>	<b>18</b>	<b>24</b>

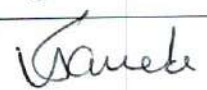

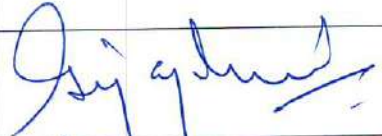

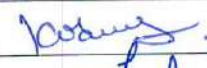
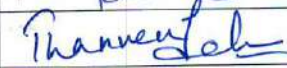

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## VAAGDEVI COLLEGE OF ENGINEERING: WARANGAL

## UGC AUTONOMOS

Minutes of Meeting of Board of Studies in CSE held on 16-12-2016.

S.NO	Members Present	Signature
1	Dr. V. Janaki, Head, Chairman BOS-CSE	
2	Prof. DVLN. Somayajulu, Professor, NITW	
3	Dr. Chakravarthy Bhagavati, Professor, SCIS, University of Hyderabad	
4	Dr.G.Vijaya Kumari, (By circulation) JNTUH Nominee, Professor, CSE-JNTUH CEH.	
5	Dr.K.Pavani, Member.	
6	Dr.T. Srinivasa Chary, Member.	
7	Dr. K. Mahesh, Member.	
8	Mrs. Thanveer Jahan, Member.	
9	Mr. Salim Amirali Jiwani, Member.	
10	Mr. B. Aravind, Software Engineer, IBM.	
11	Mr. Sekhar Babu Madala, , Managing Director, CSSI,	

The following changes to the syllabus of university affiliated college syllabus is approved for implementation at VCE (autonomous) R15 III & IV year ( I & II semesters)

1. Addition of 2 Open Electives in III year I semester & IV year I semester in addition to the electives prescribed in university affiliated college syllabus, Viz, 1. Nano Technology offered in IV year I semester as Open Elective -II and 2. Entrepreneurship Development offered in IV year I semester as Open Elective -II.
2. Mobile Computing and Web Services which are offered as electives in JNTUH affiliated college syllabus are resolved to be included as **core** subjects. Consequently Distributed Systems and Principles of Programming Languages are moved as CSE Elective-3 and CSE Elective-1 respectively.

