



**Minutes of Meeting of Board of Studies (BOS)**

**Date:15-03-2015**

Minutes of the meeting of Board of studies in Master of Computer Application Programme held at 9.00 A.M on 15-03-2015 at Conference Hall, 1st Floor of Administration Block, Vignan's University.

The following are the members of BOS

S.No	Name & Address of the Expert	Member
1	Dr.N.Veeranjanyulu Professor & HOD Department of Information Technology VFSTR University	Chairman Internal Member
2	Dr.R.Nadarajan, Professor & Head, Department of Applied Mathematics and Computer Sciences, PSG College of Technology	External Member
3	Dr.S.Nickolas, Department of Computer Applications, NIT, Tiruchurapalli	External Member
4	VelpuruVenkataswami Teach Lead,HCL, Bangalore.	External Member
5	Mr. VenkataTulasiramu P Lead Engineer, ESCOE R&D Development Centre Eaton Corporation, Pune	External Member
6	Mr. T. Bala Krishna Director Global Infrastructure Services, Computer Science Corporation, Hyderabad	External Member
7	Dr.M.NirupamaBhat Assoicate Professor Department of Information Technology, VFSTR University	Internal Member



8.	Mr. P.Subba Rao Assistant Professor Department of Information Technology, VFSTR University	Internal Member
9.	Mr. P.Praveen Kumar Assistant Professor Department of Information Technology, VFSTR University	Internal Member

**Members Present:**

1. Dr. C.Raghavendra Rao, Professor of School of Computer & Information Sciences, University of Hyderabad.
2. Dr.R.Nadarajan, Professor & Head, Department of Applied Mathematics and Computer Sciences, PSG College of Technology
3. Dr N Veeranjanyulu, Head , Department of Information Technology, VFSTRU
4. Mr. Velpuru Venkataswami, Teach Lead, HCL, Bangalore.
5. Dr. M. Nirupama Bhat , Assistant Professor, Department of Information Technology, VFSTRU
6. Mr. P.Subba Rao, Assistant Professor, Department of Information Technology, VFSTRU
7. Mr. K. Praveen Kumar, Assistant Professor, Department of Information Technology, VFSTRU

The following members expressed their inability to attend the meeting because of their preoccupation with other commitments.

1. Mr. Venkata Tulasiramu P, Lead Engineer, ESCOE R&D Development Centre, Eaton Corporation, Pune.
2. Ashika, Scientist 'C', Center for Artificial Intelligence and Robotics (CAIR), DRDO, CV Raman Nagar, Bangalore.
3. Mr. T.BalaKrishna, Director, Global Infrastructure Services, Computer Science Corporation

**Agenda of the BOS Meeting:**

1. To finalize the MCA Structure and Content of the syllabus.
2. Any other point with the permission of the Chair.



**Following are the points discussed and resolutions made during this meeting.**

1. Structure and syllabi of MCA programme are finalized (Appendix A)
2. Choice based credit system (CBCS) is implemented in the Curriculum and 32% was syllabus revision was carried out.
3. All the Courses in the Curriculum are designed to fall under either of the domains of employability or entrepreneurship or skill development (Appendix B)
4. In the MCA revised regulation R15, the substantial changes are made in the content of all courses and hence the courses are considered as new courses (Appendix C)
5. The feedback from various stakeholders is carefully collected, analyzed and their suggestions are implemented in the curriculum.
6. It is suggested to replace Design and Analysis of Algorithms with Advanced Data Structures in II Year I Semester.
7. It is suggested to interchange Data Warehousing and Data Mining and Data Warehousing and Data Mining Lab with Middleware Technologies and Middleware Technologies lab.
8. It is suggested to replace Multimedia Systems with Big Data Analytics from Elective – III and Cryptography and Network Security lab instead of Multimedia Lab in Semester-V, and Software Testing Methodologies is added as Elective-III.
9. The board suggested to replace Introduction to Data Analytics in place of Big Data Analytics.
10. The board suggested to replace Parallel and Distributed systems in place of Distributed Systems.

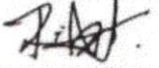
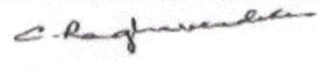

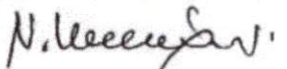
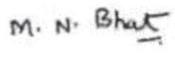
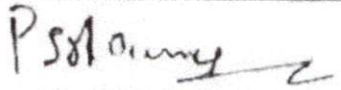
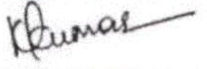


**VIGNAN'S**  
Foundation for Science, Technology & Research  
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(Established by UGC Act of 1956)

## Department of Information Technology

Vadlamudi - 522 213, Guntur Dt. AP, India

### BOS Members:

1. Dr. R. Nadarajan 	2. Dr. C. Raghavendra Rao 
3. Mr. V. Venkata Swamy 	4. Dr. N. Veeranjanyulu 
5. Dr. M. Nirupama Bhat 	6. Mr. P. Subba Rao 
7. Mr. K. Praveen Kumar 	



**Appendix A  
R15 MCA Programme Structure**

<b>I Year</b>		<b>I Semester</b>			
<b>S.No.</b>	<b>Subject</b>	<b>L</b>	<b>P</b>	<b>To</b>	<b>C</b>
1	Computer Programming and Problem Solving	4	-	4	4
2	Internet and Web Technologies	4	-	4	4
3	Computer Organization	4	-	4	4
4	Discrete Mathematical Structures	4	-	4	4
5	Accounting and Financial Management	4	-	4	4
<b>Labs</b>					
6	Computer Programming and Problem Solving Lab	-	3	3	2
7	Internet and Web Technologies Lab	-	3	3	2
8	Communication Skills Lab-I	-	3	3	2
		<b>20</b>	<b>9</b>	<b>29</b>	<b>26</b>

<b>I Year</b>		<b>II Semester</b>			
<b>Code</b>	<b>Subject</b>	<b>L</b>	<b>P</b>	<b>To</b>	<b>C</b>
1	Data Structures	4	-	4	4
2	Database Management Systems	4	-	4	4
3	Software Engineering	4	-	4	4
4	Probability and Statistics	4	-	4	4
5	Computer Based Optimization Techniques	4	-	4	4
<b>Labs</b>					
6	Data Structures Lab	-	3	3	2
7	Database Management Systems Lab	-	3	3	2
8	Statistical Techniques Lab	-	3	3	2
		<b>20</b>	<b>9</b>	<b>29</b>	<b>26</b>



II Year		I Semester			
Code	Subject	L	P	To	C
1	Object Oriented Programming	4	-	4	4
2	Operating Systems	4	-	4	4
3	Computer Networks	4	-	4	4
4	Design and Analysis of Algorithms	4	-	4	4
5	Principles of Management and Organization Behavior	4	-	4	4
<b>Labs</b>					
6	Object Oriented Programming Lab	-	3	3	2
7	Operating Systems Lab	-	3	3	2
8	Communication Skills Lab-2	-	3	3	2
		<b>20</b>	<b>9</b>	<b>29</b>	<b>26</b>
II Year		II Semester			
Code	Subject	L	P	To	C
1	Object Oriented Analysis and Design	4	-	4	4
2	Data Warehousing and Data Mining	4	-	4	4
3	Formal Languages and Automata Theory	4	-	4	4
4	Elective – I	4	-	4	4
5	Embedded Systems				
6	Human Computer Interaction				
7	Open System for Web Technologies				
8	Elective – II	4	-	4	4
9	Enterprise Resource Planning				
10	Software Project Management				
11	E – Commerce				
12	Seminar	2		2	1
<b>Labs</b>					
13	Object Oriented Analysis and Design Lab	-	3	3	2
14	Open System for Web Technologies Lab	-	3	3	2
15	Mini Project – I	-	3	2	2
		<b>22</b>	<b>9</b>	<b>31</b>	<b>27</b>



III Year		I Semester			
Code	Subject	L	P	To	C
1	Middleware Technologies	4	-	4	4
2	Multimedia Systems	4	-	4	4
3	Cryptography and Network Security	4	-	4	4
4	Elective – III	4	-	4	4
5	Big Data Analytics				
6	Distributed Systems				
7	Script Programming				
8	Elective – IV	4	-	4	4
9	Cloud Computing				
10	Soft Computing				
11	Mobile Computing				
12	Seminar	2		2	1
<b>Labs</b>					
13	Middleware Technologies Lab	-	3	3	2
14	Multimedia Systems Lab	-	3	3	2
15	Mini Project – II	-	3	3	2
		<b>22</b>	<b>9</b>	<b>31</b>	<b>27</b>

III Year		I Semester			
Code	Subject	L	P	To	C
1	Project Work	-	-	-	24

L = Lecture; P = Practicals; To = Total; C = Credits;

**Note:** The highlighted courses are offered under choice based credit system

  
BoS, Chairman

### Appendix B

#### List of courses that enable employability or entrepreneurship or skill development in the R-15 MCA Programme

S. No.	Year	Semester	Course Name	Course Nature
1	I	I	Computer Programming and Problem Solving	Skill Development
2	I	I	Internet and Web Technologies	Skill Development
3	I	I	Computer Organization	Skill Development
4	I	I	Discrete Mathematical Structures	Skill Development
5	I	I	Accounting and Financial Management	Skill Development
6	I	I	Computer Programming and Problem-Solving Lab	Skill Development
7	I	I	Internet and Web Technologies Lab	Employability
8	I	I	Communication Skills Lab-I	Employability
9	I	II	Data Structures	Skill Development
10	I	II	Database Management Systems	Skill Development
11	I	II	Software Engineering	Skill Development
12	I	II	Probability and Statistics	Skill Development
13	I	II	Computer Based Optimization Techniques	Skill Development
14	I	II	Data Structures Lab	Skill Development
15	I	II	Database Management Systems Lab	Skill Development
16	I	II	Statistical Techniques Lab	Skill Development
17	II	I	Object Oriented Programming	Employability
18	II	I	Operating Systems	Skill Development
19	II	I	Computer Networks	Skill Development
20	II	I	Design and Analysis of Algorithms	Skill Development
21	II	I	Principles of Management and Organization Behavior	Skill Development
22	II	I	Object Oriented Programming Lab	Skill Development
23	II	I	Operating Systems Lab	Skill Development
24	II	I	Communication Skills Lab-2	Employability
25	II	II	Object Oriented Analysis and Design	Skill Development
26	II	II	Data Warehousing and Data Mining	Employability





27	II	II	Formal Languages and Automata Theory	Skill Development
28	II	II	Embedded Systems	Skill Development
29	II	II	Human Computer Interaction	Skill Development
30	II	II	Open System for Web Technologies	Employability
31	II	II	Enterprise Resource Planning	Skill Development
32	II	II	Software Project Management	Skill Development
33	II	II	E – Commerce	Skill Development
34	II	II	Seminar	Employability
35	II	II	Object Oriented Analysis and Design Lab	Skill Development
36	II	II	Open System for Web Technologies Lab	Employability
37	II	II	Mini Project – I	Employability
38	III	I	Middleware Technologies	Employability
39	III	I	Multimedia Systems	Skill Development
40	III	I	Cryptography and Network Security	Skill Development
41	III	I	Big Data Analytics	Skill Development
42	III	I	Distributed Systems	Skill Development
43	III	I	Script Programming	Employability
44	III	I	Cloud Computing	Skill Development
45	III	I	Soft Computing	Skill Development
46	III	I	Mobile Computing	Skill Development
47	III	I	Seminar	Employability
48	III	I	Middleware Technologies Lab	Employability
49	III	I	Multimedia Systems Lab	Skill Development
50	III	I	Mini Project – II	Employability
51	III	II	Final Project	Employability

  
BoS, Chairman



**Appendix C  
List of new courses in the R-18 MCA**

S. No.	Year	Semester	Course Name
1	I	I	Computer Programming and Problem Solving
2	I	I	Internet and Web Technologies
3	I	I	Computer Organization
4	I	I	Discrete Mathematical Structures
5	I	I	Accounting and Financial Management
6	I	I	Computer Programming and Problem-Solving Lab
7	I	I	Internet and Web Technologies Lab
8	I	I	Communication Skills Lab-I
9	I	II	Data Structures
10	I	II	Database Management Systems
11	I	II	Software Engineering
12	I	II	Probability and Statistics
13	I	II	Computer Based Optimization Techniques
14	I	II	Data Structures Lab
15	I	II	Database Management Systems Lab
16	I	II	Statistical Techniques Lab
17	II	I	Object Oriented Programming
18	II	I	Operating Systems
19	II	I	Computer Networks
20	II	I	Design and Analysis of Algorithms
21	II	I	Principles of Management and Organization Behavior
22	II	I	Object Oriented Programming Lab
23	II	I	Operating Systems Lab
24	II	I	Communication Skills Lab-2
25	II	II	Object Oriented Analysis and Design
26	II	II	Data Warehousing and Data Mining
27	II	II	Formal Languages and Automata Theory
28	II	II	Embedded Systems
29	II	II	Human Computer Interaction
30	II	II	Open System for Web Technologies
31	II	II	Enterprise Resource Planning
32	II	II	Software Project Management
33	II	II	E – Commerce



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34	II	II	Seminar
35	II	II	Object Oriented Analysis and Design Lab
36	II	II	Open System for Web Technologies Lab
37	II	II	Mini Project – I
38	III	I	Middleware Technologies
39	III	I	Multimedia Systems
40	III	I	Cryptography and Network Security
41	III	I	Big Data Analytics
42	III	I	Distributed Systems
43	III	I	Script Programming
44	III	I	Cloud Computing
45	III	I	Soft Computing
46	III	I	Mobile Computing
47	III	I	Seminar
48	III	I	Middleware Technologies Lab
49	III	I	Multimedia Systems Lab
50	III	I	Mini Project – II
51	III	II	Final Project

*N. Veerayya Sw.*  
BoS, Chairman