VIGNAN'S
Foundation for Science, Technology, Research
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-Estd. u/s 3 of UGC Act 1956

Vadlamudi – 522 213, Guntur Dt. AP, India

Department of Information Technology

Minutes of Meeting of Board of Studies (BOS)

Date: 05.05.2018

Board of Studies Meeting (BOS) of department of Information Technology is conducted on 05th May 2018 at Board Room, H-Block, Vignan's Foundation for Science Technology and Research University.

Agenda of the BOS Meeting:

1. To finalize Master of Computer Applications (MCA) R18 Curriculum.
2. Any point with the permission of Chair.

The following members attended the meeting.

S.No.	Name & Address of the Expert	Contact Details	Member
1	**Dr. K.V.Krishna Kishore,** HOD, Dean, Lib and IT Services, Department of Information Technology Vignan's University.	Mobile: 9490647678 Mail-id: kishorekvk_1@yahoo.com; hodit@vignanuniversity.org	BoS Chairman Internal Member
2	**Dr.C.Raghavendra Rao,** Professor, University of Hyderabad, Hyderabad	Mobile : 9247465125 Mail-id: crrcs@uohyd.ernet.in	External Member
3	**Dr. Ramesh Babu Battula,** Assistant Professor, Department of Computer Science and Engineering, Malaviya National Institute of Technology(MNIT), Jaipur.	Phone:+91-9989865216; +91-9549654395; +91-8562832025 Mail-id : rbbattula.cse@mnit.ac.in	External Member
4	**Mr. D.Sreeram Sastry** Senior Principal Applications Engineer, Google, Hyderabad	Phone:9849713371 Mail-di:sastry.dvsr@gmail.com	External Member
5	**Mr. Nagaraju Gorumutchu** Senior Principal Applications Engineer Oracle India Development Center, Hyderabad	Phone:9052770008 Mail-id: nagraj.g@gmail.com	External Member

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6	**Dr. N.Veeranjanyulu** Professor & Assistant Controller of Examinations Department of Information Technology VFSTR University	Mobile:9347162038 Mail-id : veeru2006n@gmail.com	Internal Member
7	**Dr.S.Thiruselvan** Assistant Professor Department of Information Technology VFSTR University	Phone:8056714361 Mail-id: thirulic@gmail.com	Internal Member
8	**Mr. B. Premamayudu** Associate Professor Department of Information Technology, VFSTR University	Phone:8056714361 Mail-id: prem_it@vignanuniversity.org	Internal Member
9	**Mr.K.Praveen Kumar** Assistant Professor Department of Information Technology, VFSTR University	Phone:9290236544 Mail-id: praveen.kazipetakumar@gmail.com	Internal Member

The following members have taken leave of absence to attend the meeting.

S.No.	Name & Address of the Expert	Contact Details	Member
1	**Mrs. Ashika** Scientist 'D' Center for Artificial Intelligence and Robotics(CAIR), DRDO, CV Raman Nagar, Bangalore-560093	9448559355 Mail-id: ashika@cair.drdo.in	External Member
2	**Mr. T. Bala Krishna** Director Global Infrastructure Services, Computer Science Corporation, Hyderabad	Mobile:9676856161	External Member
3	**Dr. K.G.Madhwaraj** Professor Department of Information Technology VFSTR University	Phone:9444127598 Mail-id: madhwarajssn@gmail.com	Internal Member
4	**Dr.S.Thiruselvan** Assistant Professor Department of Information Technology VFSTR University	Phone:8056714361 Mail-id: thirulic@gmail.com	Internal Member

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	Mrs. K. Santhisri		
5	Associate Professor Department of Information Technology, VFSTR University	Phone:9297105269 Mail-id: srisanthi@gmail.com	Internal Member

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

1. Choice Based Credit System (CBCS) is practiced in the curriculum

2. The feedback from various stakeholders is carefully collected, analyzed and their suggestions are implemented in the curriculum.

3. Structure of all Six Semester of MCA programme is finalized. The MCA Programme structure is given in Appendix I

4. The board felt happy that all AICTE proposed mandatory courses are included in the programme.

5. The board suggested the following themes need to be incorporate:
     i. Hardware support PC software, troubleshooting, and networking.
     ii. Basic programming skills & Web applications
     iii. Application development
     iv. Personality and management
     v. Emerging Technologies (Internet of Things, Data Analytics)

6. The board suggested Data Mining Laboratory with R programming concepts to implement all the data mining algorithms with real data sets.

7. The board proposed to add the JSON wired protocol in internet and web technologies course.

8. The board proposed to include file handling issues in the Operating Systems course.

9. The members of board recommended inclusion of statistical analysis issues in Data Science course.

10. Members have suggested inclusion of network packet tracer software to carry out computer networks laboratory experiments for better exposure to students.

11. Members have suggested for inclusion of emerging technologies as elective courses.

12. All the Courses in the Curriculum are designed to fall under either of the domains of employability or entrepreneurship or skill development (Appendix II)

13. 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 III) and 34% of syllabus revision was carried out.

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S.No.	Name of the Members	Designation	Signature
1	Dr. K.V.Krishna Kishore, HOD, Dean, Lib and IT Services, Department of Information Technology Vignan's University. Mobile : 9490647678 Mail-id: hodit@vignanuniversity.org	BoS Chairman	
2	Dr.C.Raghavendra Rao, Professor, University of Hyderabad, Hyderabad Mobile : 9247465125 Mail-id: crrcs@uohyd.ernet.in	External Regular Member	C.Raghav...
3	Dr. Ramesh Babu Battula, Assistant Professor, Department of CSE, Malaviya National Institute of Technology(MNIT), Jaipur. Phone:+91-9989865216; +91-9549654395; +91-8562832025. Mail-id : rbbattula.cse@mnit.ac.in	Special Invitee for B.Tech IT Programme	B.Ramesh Babu
4	Mr. D.Sreeram Sastry Senior Principal Applications Engineer, Google, Hyderabad. Phone:9849713371 Mail-di:sastry.dvsr@gmail.com	Special Invitee for R18 BCA Programme	
5	Mr. Nagaraju Gorumutchu Senior Principal Applications Engineer Oracle India Development Center, Hyderabad. Phone: 9052770008 Mail-id: nagraj.g@gmail.com	Special Invitee for R18 MCA Programme	G. Nagaraju
6	Dr. N.Veeranjanyulu Professor, Department of Information Technology VFSTR University Mobile:9347162038 Mail-id : veeru2006n@gmail.com	Internal Member R16 B.Tech courses revision	
7	Mr. B Premamayudu Associate Professor, Department of IT, VFSTR University. Phone:8056714361 Mail-id : prem_it@vignanuniversity.org	Internal Member R18 BCA and Co-ordinator for BOS	
8	Dr.S.Thiruselvan Assistant Professor, Department of IT VFSTR University. Phone:8056714361 Mail-id: thirulic@gmail.com	Internal Member R18 MCA Curricuium	S.Thiruselван
9	Mr.K.Praveen Kumar Assistant Professor, Department of IT VFSTR University Phone:9290236544 Mail-id : praveen.kazipeta.kumar@gmail.com	Internal Member R18 BCA Curriculum	

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Appendix I
R18 MCA Programme Structure

I Semester

S.No	Name of the subject	L	P	To	C
1	Computer Programming and Problem Solving	4		4	4
2	Internet and Web technologies	4		4	4
3	Digital Computer Fundamentals	4		4	4
4	Discrete Mathematical Structures	4		4	4
5	Technical English Communication	4		4	4
6	Computer Programming and Problem Solving Lab		3	3	2
7	Internet and Web technologies Lab		3	3	2
8	IT Workshop		3	3	2
		20	9	29	26

II Semester

S.No	Name of the subject	L	P	To	C
1	Data Structures	4		4	4
2	OOPS through Java	4		4	4
3	Computer Organization	4		4	4
4	Probability and Statistics	4		4	4
5	Principles and Practices of Management	4		4	4
6	Data Structures Lab		3	3	2
7	OOPS through Java Lab		3	3	2
8	Soft Skills Lab		3	3	2
		20	9	29	26

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III Semester

S.No	Name of the subject	L	P	To	C
1	Python Programming	4		4	4
2	Database Management Systems	4		4	4
3	Software Engineering	4		4	4
4	Operating Systems	4		4	4
5	Formal Language and Automata Theory	4		4	4
6	Python Programming Lab		3	3	2
7	Database Management Systems Lab		3	3	2
8	Linux Basics and Shell Programming Lab		3	3	2
		20	9	29	26

IV Semester

S.No	Name of the subject	L	P	To	C
1	Computer Networks	4		4	4
2	Data Mining	4		4	4
3	PHP&MYSQL	4		4	4
4	Elective – I	4		4	4
	Mobile Application Development				
	Cloud Computing				
5	Elective – II	4		4	4
	R Programming				
	Embedded Systems				
6	PHP & MySQL lab		3	3	2
7	Data Mining Lab		3	3	2
8	Mini Project – I		3	3	2
		20	9	29	26

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V Semester

S.No	Name of the subject	L	P	To	C
1	Big Data Analytics	4		4	4
2	Cryptography and Network security	4		4	4
3	Multimedia Systems	4		4	4
4	Elective – III	4		4	4
	Advanced Mobile Application development				
	Software Project Management				
5	Elective – IV	4		4	4
	Data visualization				
	Internet of Things				
6	Cryptography and Network security Lab		3	3	2
7	Multimedia Lab		3	3	2
8	Data Analytics Lab		3	3	2
		20	9	29	26

VI Semester

S.No	Name of the subject	L	P	To	C
1	Internship/Project Work	-		-	15
		-	-	-	15

L = Lecture; **P** = Practicals; **To** = Total; **C** = Credits;
Note: The highlighted courses are offered under choice based credit system

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Appendix -II

List of courses that enable employability or entrepreneurship or skill development in the R18 MCA

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	Digital Computer Fundamentals	Skill Development
4	I	I	Discrete Mathematical Structures	Skill Development
5	I	I	Technical English Communication	Skill Development
6	I	I	IT Workshop	Employability
7	I	II	Data Structures	Skill Development
8	I	II	Object Oriented Programming through Java	Employability
9	I	II	Computer Organization	Skill Development
10	I	II	Probability and Statistics	Skill Development
11	I	II	Principles and Practices of Management	Skill Development
12	I	II	Soft Skills Lab	Employability
13	II	I	Programming through Python	Employability
14	II	I	Database Management Systems	Skill Development
15	II	I	Software Engineering	Skill Development
16	II	I	Operating Systems	Skill Development
17	II	I	Formal Languages and Automata Theory	Skill Development
18	II	I	Linux Basics and Shell Programming Lab	Employability
19	II	I	Seminar	Skill Development
20	II	II	Computer Networks	Skill Development
21	II	II	Data Mining	Skill Development
22	II	II	Web Scripting through PHP & MYSQL	Employability
23	II	II	Mini Project – I	Employability

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24	II	II	Mobile Application Development	Employability
25	II	II	Cloud Computing	Employability
26	II	II	Statistical Programming in R	Employability
27	II	II	Embedded Systems	Skill Development
28	III	I	Big Data Analytics	Skill Development
29	III	I	Cryptography and Network Security	Skill Development
30	III	I	Multimedia Systems	Employability
31	III	I	Mini Project -II	Employability
32	III	I	Advanced Mobile Application development	Employability
33	III	I	Software Project Management	Skill Development
34	III	I	Network Programming	Employability
35	III	I	Internet of Things	Employability
36	III	II	Internship/Project Work	Employability

BoS, Chairman

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Appendix -III
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	Digital Computer Fundamentals
4	I	I	Discrete Mathematical Structures
5	I	I	Technical English Communication
6	I	I	IT Workshop
7	I	II	Data Structures
8	I	II	Object Oriented Programming through Java
9	I	II	Computer Organization
10	I	II	Probability and Statistics
11	I	II	Principles and Practices of Management
12	I	II	Soft Skills Lab
13	II	I	Programming through Python
14	II	I	Database Management Systems
15	II	I	Software Engineering
16	II	I	Operating Systems
17	II	I	Formal Languages and Automata Theory
18	II	I	Linux Basics and Shell Programming Lab
19	II	I	Seminar
20	II	II	Computer Networks
21	II	II	Data Mining
22	II	II	Web Scripting through PHP & MYSQL
23	II	II	Mini Project – I
24	II	II	Mobile Application Development
25	II	II	Cloud Computing
26	II	II	Statistical Programming in R
27	II	II	Embedded Systems

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28	III	I	Big Data Analytics
29	III	I	Cryptography and Network Security
30	III	I	Multimedia Systems
31	III	I	Mini Project -II
32	III	I	Advanced Mobile Application development
33	III	I	Software Project Management
34	III	I	Network Programming
35	III	I	Internet of Things
36	III	II	Internship/Project Work

BoS, Chairman