VIGNAN'S
Foundation for Science, Technology & Research
UNIVERSITY
(Estd u/s 3 of UGC Act of 1956)

Department of Computer Science and Engineering

Date: 19.06.2017

Minutes of the meeting of Board of Studies in Computer Science and Engineering held at 10:00 am on 19.06.2017 in Head of the Department cabin.

BOS Members Present:

1. Dr.Venkatesulu Dondeti, Professor
   Department of Computer Science and Engineering, VFSTRU   Chairman

2. Dr.M.K.Banga,
   Professor, CSE, Dayanand Sagar University, Bengaluru.   Member

3. Dr.Sri Charan,
   WIPRO Technologies, Sholingahallur   Member

4. Dr. K.V.Krishna Kishore, Professor, Department of Computer   Ex-officio Member
   Science and Engineering, VFSTRU.

5. Dr. N.Gnaneswara Rao, Professor, Department of Computer   Ex-officio Member
   Science and Engineering, VFSTRU.

6. Dr.K.Hemantha Kumar, Professor, Department of Computer   Ex-officio Member
   Science and Engineering, VFSTRU.

7. Dr.M.Nirupama Bhat, Associate Professor   Member
   Department of Computer Science and Engineering, VFSTRU

8. Mr. S V Phani Kumar, Assistant Professor   Member
   Department of Computer Science and Engineering, VFSTRU

9. Mr. D S Bhupal Naik, Assistant Professor   Member
   Department of Computer Science and Engineering, VFSTRU

Minutes of meeting:

- Dr. D Venkatesulu, Head, CSE has invited all the external and internal members and presented the glimpses of R-17 Curriculum.

- He also shared the procedures followed in the preparation of R-17 Course Contents and also mentioned as like previous curriculum, CBCS followed in this R 17 Course Curriculum also. Thereafter, he shared the minutes of Curriculum Design and Monitoring Committee meeting minutes with External members. In addition to that, he also shared feedback of various stakeholders (including Faculty, Alumni, Students, Industry and Students) to the members of the meeting. Course Structure is attached as Annexure I.

- List of new courses is included as Annexure II. Major restructuring has taken place in the curriculum which is oriented towards Project based learning with inclusion of Theory amalgamated with Laboratory. Dr. Venkatesulu also mentioned that there is a 57% of content was revised.

- He also mentioned that the Curriculum is encompassing the courses that enable employability or entrepreneurship or skill development. List is attached as Annexure III.

- Students who are joining in to M.Tech. program are coming from either B.Tech CSE or B.Tech IT branches. They had studied the courses Advanced Operating Systems, Computer Networking, Object oriented Analysis and Design and Web Technologies in their UG program itself.

- Hence to avoid redundancy, the courses like Embedded Systems, Cloud Computing, Internet of Things and Big Data Analytics have to be introduced.

- As per industry people recommendations, R17 curriculum has given much priority to practical knowledge. So the existing labs like UML Lab, Web Technologies Lab and their correspondent core courses are deleted.

- Instead the new labs related to proposed core courses such as Cryptography and Network Security Lab, Data warehouse and data mining Lab and Big Data Analytics Lab have to be introduced.

- Students have to publish a research paper before going to submit their project report. So Research Methods course is being introduce in II semester which highly enable the students in writing a research paper with ethics.

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1. Dean, Academics.
2. All BOS Members.
3. File.

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R 17 M.Tech CSE Course Structure

Course Title	L	T	P	C
I Year - I Semester				
Advanced Database Management Systems	3	-	3	5
Data Structures & Algorithms	3	-	3	5
Embedded Systems	3	1	-	4
Cloud Computing	3	1	-	4
Department Elective - I	3	0/1	0/2/3	3/4/5
Department Elective - II	3	0/1	0/2/3	3/4/5
I Year - II Semester				
Research Methods	3	-	-	3
Employment Orientation Program (EOP)	2	-	-	2
Data Warehousing & Data Mining	3	-	3	5
Cryptography and Network Security	3	-	3	5
Internet of Things	3	1	-	4
Big Data Analytics	3	-	3	5
Department Elective - III	3	0/1	0/2/3	3/4/5
Department Elective - IV	3	0/1	0/2/3	3/4/5
Pool of Electives				
Wireless Computer Network	3	1	-	4
Artificial Intelligence	3	1	-	4
Advanced Computer Architecture	3	1	-	4
Artificial Neural Networks	3	1	-	4
Biometrics	3	1	-	4
Computer Vision	3	1	-	4
Cyber Security	3	-	3	5
Fundamentals of Image Processing	3	1	-	4
Pattern Recognition	3	1	-	4
Web Technologies	3	-	3	5
Wireless Communication Networks	3	1	-	4

II Year

Course Title	L	T	P	C
I Semester				
Project/ Internship Phase - I				15
II Semester				
Project/ Internship Phase - II				15

List of Highlighted courses fall under the category of Choice Based Credit System

Chairman, BOS

R 17 M.Tech CSE

Course Categorization as Employability/ Skill Oriented/ Entrepreneurship

Name of the Course	Course Type
Advanced Database Management System	Employability
Data Structures & Algorithms	Employability
Embedded Systems	Skill Oriented
Cloud Computing	Employability
Research Methods	Employability
Employment Orientation Program (EOP)	Employability
Data Warehousing & Data Mining	Employability
Cryptography and Network Security	Skill Oriented
Internet of Things	Employability
Big Data Analytics	Employability
Wireless Computer Network	Skill Oriented
Artificial Intelligence	Employability
Advanced Computer Architecture	Skill Oriented
Artificial Neural Networks	Skill Oriented
Biometrics	Skill Oriented
Computer Vision	Skill Oriented
Cyber Security	Skill Oriented
Fundamentals of Image Processing	Skill Oriented
Pattern Recognition	Skill Oriented
Web Technologies	Employability
Wireless Communication Networks	Skill Oriented
Project/ Internship	Employability

BoS, Chairman

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R 17 M.Tech CSE

List of New Courses

- Advanced Database Management System
- Data Structures & Algorithms
- Embedded Systems
- Cloud Computing
- Research Methods
- Employment Orientation Program (EOP)
- Data Warehousing & Data Mining
- Cryptography and Network Security
- Internet of Things
- Big Data Analytics
- Wireless Computer Network
- Artificial Intelligence
- Advanced Computer Architecture
- Artificial Neural Networks
- Biometrics
- Computer Vision
- Cyber Security
- Fundamentals of Image Processing
- Pattern Recognition
- Web Technologies
- Wireless Communication Networks
- Project/ Internship

BoS, Chairman