

Department of CSE

Minutes of Meeting of Board of Studies (BOS)

20.5.2013

Board of studies meeting (BOS) of School of computing of Vignan University is conducted on 20.05.13 at Board Room, Vignan University. The following members attended the meeting.

1. Dr. C. Raghavendra Rao, Professor, Central University, Hyderabad, Member
2. Prof. K V K Kishore, HOD, CSE, Vignan University, Member
3. Mr. K. Hemantha Kumar, Assoc. Prof. CSE, Vignan University, Member
4. Mr. S V Rama Krishna, Asst. Prof. CSE, Vignan University, Member

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

1. Dr. D.V.L.N Somayajulu, Professor & HOD, CSE, NIT, Warangal
2. Dr. B.B. Prahlada Rao, Group Coordinator, C-DAC, Bangalore
3. Mr. Ch. Sri Nagesh, Campus Connect coordinator, Infosys, Hyderabad
4. Dr. P. Premchand, Prof. Department of CSE, Osmania University, College of Engg. Member
5. Dr. M.M. Naidu, Professor, CSE, Vignan University, Vadlamudi

Agenda of the BOS Meeting

1. Finalization and approval of Course structure and syllabus for I/IV B.Tech (CSE)

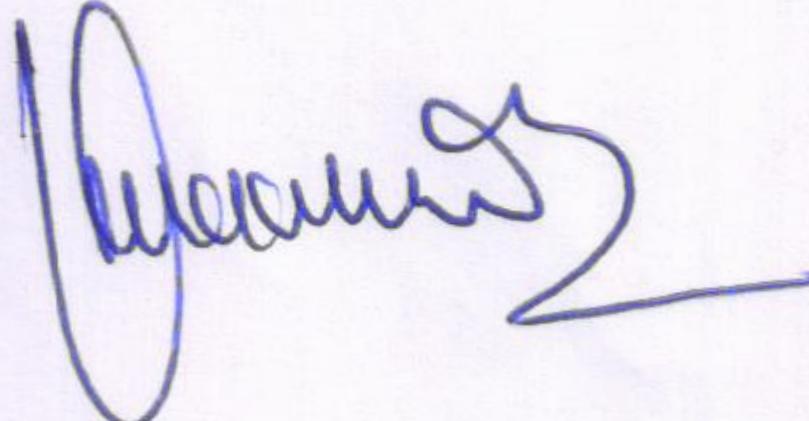
Minutes of the Meeting

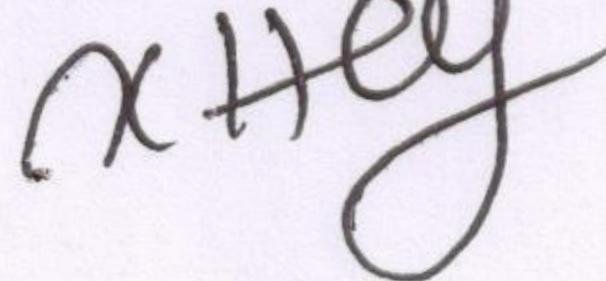
Following are the points discussed and resolutions made during this meeting:

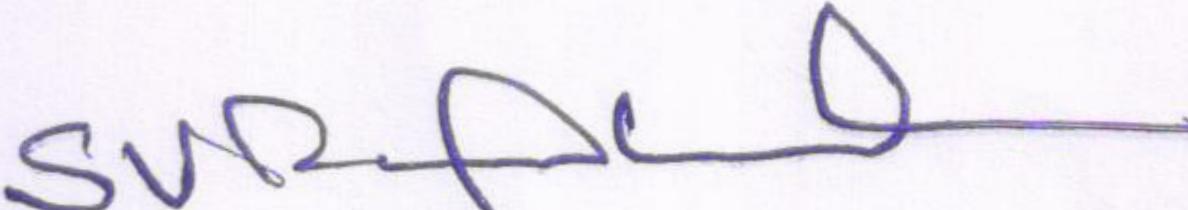
1. Head, CSE have notified the members that they are following Choice based credit system in the implementation of the Curriculum for B. Tech CSE Programme.
2. In this process, feedback from various stakeholders is carefully considered and their suggestions are followed in the design of R 13 curriculum.
3. R 13 B.Tech CSE Course Structure is attached as Annexure I.

4. List of new courses in the curriculum is included as Annexure II with 45% of content revision when compared with R10.
5. All the Courses in the Curriculum are designed to fall under either of the domains of employability or entrepreneurship.
6. It is resolved to give more emphasis to the programming and problem solving skills in this Curriculum. Accordingly, more importance was given to Laboratory Courses and with the inclusion of mini project courses.
7. Cyber security course being the introductory course overview of communication structures and protocols fundamentals of security tools and some case studies instead of going into the details.
8. The board felt that awareness and exposure to domain specific open source tools in java to the students will aid in skill enhancement. So the labs should be integrated good account of experiments to make the students to aware how to use these open source tools in java. Skill set of the students should utilize campus wide communication/computational facilities effectively. Orientation for the same should be integrated in the lab courses.

1 C. Raghavendra
20/5/13

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Copy to Dean, Academics

BoS Members

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VIGNAN'S UNIVERSITY :: VADLAMUDI

B.Tech. Syllabus Structure

I Year

Semester - I

S.No	Name of the Subject	L	T	P	To	Credits
1.	Engineering Mathematics -I	3	1	-	4	4
2.	Engineering Physics	3	1	-	4	4
3.	Technical English Communication	3	1	-	4	4
4.	Problem Solving and Computer Programming	3	2	-	5	5
5.	Engineering Mechanics	4	1	-	5	5
6.	IT Essentials	2	-	-	2	-
Practicals						
1	Engineering Physics Laboratory	-	-	3	3	2
2	Computer Programming Laboratory	-	-	3	3	2
3	Workshop Practice	-	-	3	3	2
Total		18	06	09	33	28

I Year

Semester - II

S.N o	Name of the Subject	L	T	P	To	Credits
1.	Engineering Mathematics - II	3	1	-	4	4
2.	Engineering Chemistry	3	1	-	4	4
3.	Electrical Science	4	-	-	4	4
4.	Data Structures	3	1	-	4	4
5.	Environmental Studies	3	-	-	3	3
6.	Engineering Graphics	2	-	-	2	-
Practicals						
1.	Professional Ethics, Values and Human Rights	-	-	3	3	2
2.	Electrical Science Laboratory	1	-	3	4	3
3.	Data Structures Laboratory	-	-	3	3	2
Total		19	03	09	31	26

II Year

Semester - III

S.No	Name of the Subject	L	T	P	To	Credits
1	Discrete Mathematical Structures	3	1	-	4	4
2	Digital Logic and Design	3	1	-	4	4
3	Advanced Data Structures	3	1	-	4	4
4	Object Oriented Programming through JAVA	3	1	-	4	4
5	Software Engineering	3	1	-	4	4
6	Minor	3	1	-	4	4
7	Seminar		1		1	1

Practicals

1	Advanced Data Structures Lab	-	-	3	3	2
2	Object Oriented Programming through JAVA LAB	-	-	3	3	2
3	Soft Skills	-	-	3	3	2
Total						31

II Year

Semester - IV

S.No	Name of the Subject	L	T	P	To	Credits
1	Probability and Statistics	3	1	-	4	4
2	Computer Organization	3	1	-	4	4
3	Database Systems	3	1	-	4	4
4	Formal Languages and Automata Theory	3	1	-	4	4
5	Design and Analysis of Algorithms	3	1	-	4	4
6	Minor	3	1	-	4	4
7	Seminar		1		1	1

Practicals

1	Database Lab	-	-	3	3	2
2	DAA Lab	-	-	3	3	2
3	Professional Communication Lab	-	-	3	3	2
Total						31

Compulsory Subject : Data Structures – (Except for CSE, IT & ECM)

Other departments' subjects/Labs also can be offered in the place of 'Department subject'/'Department Lab', depending on the need.

III Year

Semester - V

S.No	Name of the Subject	L	T	P	To	Credits
1	Web Technologies	3	1	-	4	4
2	Compiler Design	3	1	-	4	4
3	Operating Systems	3	1	-	4	4
4	Computer Networks	3	1	-	4	4
	Elective I					
5	1. Open Systems for Web Technologies 2. Computer Graphics 3. Performance Evaluation of Computer Systems 4. Operations Research	3	1	-	4	4
6	Minor	3	1	-	4	4
7	Seminar		1		1	1
Practicals						
1	Web Technologies Lab	-	-	3	3	2
2	Computer Networks Lab	-	-	3	3	2
3	Operating Systems Lab	-	-	3	3	2
	Total					31

III Year

Semester - VI

S.No	Name of the Subject	L	T	P	To	Credits
1	Middleware Technologies	3	1	-	4	4
2	Object Oriented Analysis and Design	3	1	-	4	4
3	Microprocessors and Interfacing	3	1	-	4	4
4	Mobile Computing	3	1	-	4	4
	Elective II					
5	1. Network Programming 2. Artificial Intelligence 3. Principles of Programming Languages 4. Simulation and Modelling	3	1	-	4	4
6	Minor	3	1	-	4	4
7	Seminar		1		1	1
Practicals						
1	Object Oriented Analysis and Design Lab	-	-	3	3	2
2	Mobile Computing Lab	-	-	3	3	2
3	Mini Project	-	-	3	3	2
	Total					31

IV Year		Semester - VII					
S.No	Name of the Subject	L	T	P	To	Credits	
1	Cryptography and Network Security	3	1	-	4	4	
2	Data warehousing and Data Mining	3	1	-	4	4	
3	Software Project Management	3	1	-	4	4	
	ELECTIVE III						
4	1. Cloud Computing 2. Embedded Systems 3. Software Testing Methodologies 4. Fundamentals of Image Processing	3	1	-	4	4	
	ELECTIVE IV						
5	1. Distributed Component Object Technologies(J2EE/.NET) 2. Business Intelligence 3. Big Data Analytics 4. Internet of Things	3	1	-	4	4	
6	Managerial Economics	3	1	-	4	4	
Practicals							
1	Data warehousing and Data Mining Lab	-	-	3	3	2	
2	Cryptography & Network Security Lab	-	-	3	3	2	
Total						28	

IV Year		Semester - VIII					
Practicals							
1	Internship (6 months)						20
Total							20

The above structure is for the students opting for internship. 7th and 8th semesters are interchangeable to these students. That means a student can proceed to internship either in 7th or in 8th semester, depending on which the course work would be there in the other semester.

For the students who are not opting for internship, the structure of 7th semester will be same as the above, but for 8th semester, it will be as given below.

S.No	Name of the Subject	L	T	P	To	Credits	
1	Principles and practice of Management	3	1	-	4	4	
	ELECTIVE V						
2	1. Mobile Ad-hoc Networks 2. E-Commerce 3. Pattern Recognition 4. Human Computer Interaction	3	1	-	4	4	
	ELECTIVE IV						
3	1. Neural Networks 2. Bio metrics 3. Genetic Algorithms 4. Multimedia	3	1	-	4	4	
Practicals							
1	Project work				10		10
Total							10



Department of Computer Science & Engineering

B.Tech R 13 Regulations

List of New Courses

- ✓ Engineering Mathematics I
- ✓ Engineering Physics
- ✓ Engineering Mechanics
- ✓ Technical English Communication
- ✓ Problem Solving and Computer Programming
- ✓ Network Security
- ✓ Engineering Mathematics-II
- ✓ Environmental Studies
- ✓ Fundamentals of Electrical Engineering
- ✓ Engineering Chemistry
- ✓ Data Structures
- ✓ Professional Ethics, Values and Human Rights
- ✓ Discrete Mathematical Structures
- ✓ Digital Logic Design
- ✓ Advanced Data Structures
- ✓ Object Oriented Programming Through Java
- ✓ Software Engineering
- ✓ Seminar
- ✓ Probability & Statistics
- ✓ Computer Organization
- ✓ Database Systems
- ✓ Formal Language And Automata Theory
- ✓ Design and Analysis of Algorithms
- ✓ Seminar
- ✓ Web Technologies
- ✓ Computer Networks
- ✓ Operating Systems
- ✓ Open System for Web Technologies
- ✓ Computer Graphics
- ✓ Object Oriented Analysis & Design
- ✓ Middleware Technologies
- ✓ Microprocessors and Interfacing
- ✓ Mobile Computing
- ✓ Network Programming
- ✓ Artificial Intelligence
- ✓ Principles of Programming Languages
- ✓ Simulation and Modelling

- ✓ Seminar
- ✓ Mini Project
- ✓ Data Warehousing & Data Mining
- ✓ Cryptography And Network Security
- ✓ Distributed Component Object Technologies (J2Ee/.Net)
- ✓ Cloud Computing
- ✓ Embedded Systems
- ✓ Software Testing Methodologies
- ✓ Fundamentals of Image Processing
- ✓ Software Project Management
- ✓ Business Intelligence
- ✓ Big Data Analytics
- ✓ Internet of Things
- ✓ Managerial Economics
- ✓ Mobile Ad-Hoc Networks
- ✓ E-Commerce
- ✓ Pattern Recognition
- ✓ Human Computer Interaction
- ✓ Neural Networks
- ✓ Bio Metrics
- ✓ Genetic Algorithms
- ✓ Multimedia Systems
- ✓ Project

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