VIGNAN'S
Foundation for Technology & Research
(Deemed to be University)
Estd. u/s 3 of UGC Act 1956

Department of
Information Technology

Vadlamudi – 522 213, Guntur Dt. AP, India

Minutes of Meeting of Board of Studies (BOS)

Date: 05.05.2018

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

Agenda of the BOS Meeting:

1. To finalize Bachelor of Computer Applications (BCA) 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 : rbhattula.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.kazipeta.kumar@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 Robotices(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	**Mrs. K. Santhisri** Associate Professor Department of Information Technology, VFSTR University	Phone:9297105269 Mail-id: srisanthi@gmail.com	Internal Member

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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 BCA programme is finalized. The BCA Programme structure is given in (Annexure -I)
4. The curriculum is encompassing the courses that enable employability or entrepreneurship or skill development (Annexure-II) and 51% of syllabus revision was carried out.
5. In the BCA programme revised regulation R13, the substantial changes are made in the content of all courses and hence the courses are considered as new courses (Annexure-III)
6. The board felt happy that all AICTE proposed mandatory courses are included in the programme.
7. The board suggested the following themes need to be incorporate:
    (i) Coding Skills
    (ii) App Technologies
    (iii) Networking
    (iv) Hardware/ PC Software
8. The member of board proposed to offer statistics course in the place of probability and statistics.
9. Major restructuring has taken place in the Curriculum with theoretical courses amalgamated with laboratory sessions and skill components added to the courses. The percentage of curriculum revision is 43% for the program BCA
10. The member of board recommended inclusion of PC Hardware, Office Tools (like word, excel and power point) in IT Workshop.
11. The members of board recommended inclusion of courses like Python and R relevant to Data science.
12. The board recommended integration of the lab courses with respective theory courses as per recent skill based orientation proposed by AICTE.
13. The members of board have proposed to change the fundamentals of information security course name as computer network security, which will cover information security, computer security and network security issues relevant to latest issues.

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2	**Dr.C.Raghavendra Rao,** Professor, University of Hyderabad, Hyderabad	
3	**Dr. Ramesh Babu Battula,** Assistant Professor, Department of Computer Science and Engineering, Malaviya National Institute of Technology(MNIT), Jaipur.	
4	**Mr. D.Sreeram Sastry** Senior Principal Applications Engineer, Google, Hyderabad.	
5	**Mr. Nagaraju Gorumutchu** Senior Principal Applications Engineer Oracle India Development Center, Hyderabad	
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Annexure-I

R18 BCA Programme Structure

I Semester

S.No	Name of the subject	L	P	To	C
1	Digital Computer Fundamentals	4		4	4
2	Problem Solving through C	4		4	4
3	Technical Communication English	4		4	4
4	Desecrate Mathematical Structures	4		4	4
5	IT Workshop Lab		3	3	2
6	C Programming Lab		3	3	2
7	Linux Basics and Shell Scripting Lab		3	3	2
		16	9	25	22

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	Operating Systems	4		4	4
4	Probability and Statistics	4		4	4
5	Soft Skills Lab		3	3	2
6	Data Structures Lab		3	3	2
7	OOPS Programming Lab		3	3	2
		16	9	25	22

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	Web Technology	4		4	4
4	Management Science	4		4	4
5	Web Technology Lab		3	3	2
6	Python Programming lab		3	3	2
7	Database Management Systems Lab		3	3	2
		16	9	25	22

IV Semester

S.No	Name of the subject	L	P	To	C
1	PHP and MYSQL	4		4	4
2	Computer Networks	4		4	4
3	Software Eng ineering	4		4	4
4	Organizational Behavior	4		4	4
5	PHP and MYSQL lab		3	3	2
6	Computer Networks Lab		3	3	2
7	R Programming Lab		3	3	2
		16	9	25	22

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V Semester

S.No	Name of the subject	L	P	To	C
1	Fundamentals of Information Security	4		4	4
2	Data Mining	4		4	4
3	ELECTIVE-I	4		4	4
4	ELECTIVE-II	4		4	4
5	Data Mining Lab		3	3	2
6	Professional Communications Lab		3	3	2
7	Mini Project		3	3	2
		16	9	25	22

VI Semester
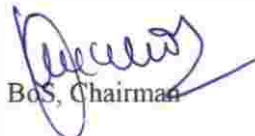
S.No	Name of the subject	L	P	To	C
1	ELECTIVE-III	4		4	4
2	ELECTIVE-IV	4		4	4
3	Seminar	2		2	1
4	Project		15	15	15
		10	15	25	24

ELECTIVE POOL OF COURSES:

ELECTIVE–I	
1	Internet of Things
2	Introduction to Cloud Computing
ELECTIVE–II	
3	Introduction to Mobile Application Development
4	Introduction to Data Science
ELECTIVE–III	
5	Network Programming
6	Advanced Mobile Application Development
ELECTIVE–IV	
7	Big data Analytics
8	Multimedia Systems

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

Note: The highlighted courses are considered under CBCS (Choice Based Credit System)

BoS, Chairman

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Annexure-II
List of courses that enable employability or entrepreneurship or skill development in the R18 BCA

S. No.	Year	Semester	Course Name	Course Nature
1	I	I	Digital Computer Fundamentals	Skill Development
2	I	I	Problem Solving through C	Skill Development
3	I	I	Technical Communication English	Skill Development
4	I	I	Discrete Mathematical Structures	Skill Development
5	I	I	IT Workshop Laboratory	Skill Development
6	I	I	Linux Basics and Shell Scripting Laboratory	Skill Development
7	I	II	Data Structures	Employability
8	I	II	Object Oriented Programming through JAVA	Employability
9	I	II	Operating Systems	Skill Development
10	I	II	Probability and Statistics	Skill Development
11	I	II	Soft Skills Laboratory	Skill Development
12	II	I	Programming through Python	Employability
13	II	I	Database Management Systems	Employability
14	II	I	Web Technology	Employability
15	II	I	Management Science	Skill Development
16	II	I	Seminar	Skill Development
17	II	II	Web Scripting through PHP & MYSQL	Employability
18	II	II	Computer Networks	Skill Development
19	II	II	Software Engineering	Skill Development
20	II	II	Organizational Behavior	Skill Development
21	II	II	Mini Project-I	Employability
22	III	I	Information Security	Skill Development
23	III	I	Data Mining	Skill Development
24	III	I	Internet of Things	Employability
25	III	I	Cloud Computing	Employability
26	III	I	Mobile Application Development	Employability
27	III	I	Statistical Programming in R	Employability
28	III	I	Mini Project-II	Employability
29	III	II	Network Programming	Employability
30	III	II	Advanced Mobile Application Development	Employability
31	III	II	Big data Analytics	Employability
32	III	II	Multimedia Systems	Employability
33	III	II	Project	Employability

BoS Chairman

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Annexure-III

List of new courses in the R-18 BCA

S. No.	Year	Semester	Course Name
1	I	I	Digital Computer Fundamentals
2	I	I	Problem Solving through C
3	I	I	Technical Communication English
4	I	I	Discrete Mathematical Structures
5	I	I	IT Workshop Laboratory
6	I	I	Linux Basics and Shell Scripting Laboratory
7	I	II	Data Structures
8	I	II	Object Oriented Programming through JAVA
9	I	II	Operating Systems
10	I	II	Probability and Statistics
11	I	II	Soft Skills Laboratory
12	II	I	Programming through Python
13	II	I	Database Management Systems
14	II	I	Web Technology
15	II	I	Management Science
16	II	I	Seminar
17	II	II	Web Scripting through PHP & MYSQL
18	II	II	Computer Networks
19	II	II	Software Engineering
20	II	II	Organizational Behavior
21	II	II	Mini Project-I
22	III	I	Information Security
23	III	I	Data Mining
24	III	I	Internet of Things
25	III	I	Cloud Computing
26	III	I	Mobile Application Development
27	III	I	Statistical Programming in R
28	III	I	Mini Project-II
29	III	II	Network Programming
30	III	II	Advanced Mobile Application Development
31	III	II	Big data Analytics
32	III	II	Multimedia Systems
33	III	II	Project

BoS Chairman