

**VIGNAN'S**

Foundation for Science, Technology & Research

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DEPARTMENT OF INFORMATION TECHNOLOGY**Date: 02/07/2021****Board of Studies Meeting****Minutes of Meeting**

Board of Studies Meeting (BOS) was conducted in **Bachelor of Computer Applications (BCA)** under the control of department of Information Technology on 02nd July 2021 through virtual mode (Zoom Meeting).

Agenda of the BOS Meeting:

1. To finalize R21 **Bachelor of Computer Applications (B.C.A) programme curriculum**
2. Any Point with the permission of chair

The following Expert Members were attended the Zoom 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 VFSTR Deemed to be University.	Mobile : 9490647678 Mail-id: kishorekvk_1@yahoo.com; hodit@vignan.ac.in	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, Associate 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

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5	Mr. Chilli Anil Kumar Scientist –E, CAIR DRDO C V Raman Nagar, Bengaluru	Mobile: 9043056079 Mail-id: anil@cair.drdo.in	External Member
6	Dr. Adi Maheswara Reddy Manger Software Engineering Parexel International Pvt. Ltd Raheja Mind Space, Madhapur Hyderabad-500081	Phone:+91 9704679987 Mail-di:adimaheswara@yahoo.com	External Member
8	Dr. N.Veeranjanyulu Professor Department of Information Technology VFSTR University	Mobile:9347162038 Mail-id : veeru2006n@gmail.com	Internal Member
9	Dr. B. Premamayudu Professor Department of Information Technology, VFSTR University	Mobile:+91 9440006478 Mail-id : premamayudu@gmail.com	Internal Member
10	Dr. P. Subbarao Associate Professor Department of Information Technology, VFSTR University	Mobile:+91 8978883898 Mail-id : subbarao.peram@gmail.com	Internal Member
11	Dr. K. Sujatha Associate Professor Department of Information Technology, VFSTR University	Mobile:+91 9989728642 Mail-id : sujatha101012@gmail.com	Internal Member
12	Dr. A. Vijayaraj Associate Professor Department of Information Technology, VFSTR University	Mobile:+91 9840114491 Mail-id : satturvijay@gmail.com	Internal Member



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The following points are discussed and resolutions made during this meeting:

1. Proposed course structure for all 3 years of B.C.A. Programme is approved (Appendix I)
2. All the courses in the curriculum are designed to fall under either of the domains of employability or entrepreneurship or skill development and higher studies (Appendix II)
3. In the revised regulation R21, the substantial changes are made in the content of all courses and hence the courses are considered as new courses (Appendix III)
4. Choice based credit system is accepted in the Curriculum and 24% of syllabus revision was carried out
5. Feedback from wide array of stakeholders is carefully collected, analyzed and their suggestions are considered while designing the Curriculum
6. Proposed and approved detailed syllabi from the 3 years of B.C.A Programme with effect from the academic year 2021-22. The proposed structure and syllabus are applicable for 2021 admitted batch onwards.
7. Suggested to introduce the core professional courses Digital Computer Fundamentals, Programming for Problem Solving I Course in I Year I Semester.
8. Suggested to introduce the Python Programming, Business Intelligence, and Programming for Problem Solving II based on the IT Industry requirements.
9. Approved inclusion of Software Testing Methodologies, Data Visualization, Web Application Development, Cloud Computing, Block Chain and its Applications to improve skills required for placements.

Signatures of the Members present:

1. Dr. K.V.Krishna Kishore

2. Dr. N.Veeranjanyulu

3. Dr. B. Premamayudu

4. Dr. P. Subbarao

5. Dr. K. Sujatha

6. Dr. A.Vijayaraj

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DEPARTMENT OF INFORMATION TECHNOLOGY**Appendix I****Bachelor of Computer Applications (B.C.A) Programme Structure****I Year I Semester**

S.No.	Course Title	L	T	P	C
1	Digital Computer Fundamentals	3	-	-	3
2	Programming for Problem Solving-I	3	-	2	4
3	Technical Communication English	3	-	2	4
4	Discrete Mathematical Structures	3		-	3
5	Office Automation Laboratory	-	-	3	2
6	IT Workshop Laboratory	-	-	3	2
Total		12	-	10	18

I Year II Semester

S.No.	Course Title	L	T	P	C
1	Programming for Problem Solving-II	3	-	2	4
2	Python Programming	3	-	2	4
3	Fundamentals of Network Security	3	-	-	3
4	Probability and Statistics	3	-	-	3
5	Soft Skills Laboratory	-	-	3	2
6	Data Visualization Laboratory	-	-	3	2
7	Technical Seminar-I	-	-	1	1
Total		12		11	19

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DEPARTMENT OF INFORMATION TECHNOLOGY**II Year I Semester**

S.No.	Course Title	L	T	P	C
1	Object Oriented Programming	3	-	2	4
2	Database Management System	3	-	2	4
3	Data Structures	3	-	2	4
4	Business Intelligence	3	-	-	3
5	Human Values Professional Ethics & Gender Equity	2	-	-	2
6	Competitive Coding Laboratory			4	2
7	Technical Seminar-II	-	-	1	1
Total		14	-	11	20

II Year II Semester

S.No.	Course Title	L	T	P	C
1	Web Application Development	3	-	4	5
2	Software Engineering	3	-	-	3
3	Operating Systems	3	-	-	3
4	Computer Networks	3	-	2	4
5	Environmental Studies	1	-	-	1
6	Mini Project-I (Data Visualization)	-	-	3	2
Total		13	-	9	18

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DEPARTMENT OF INFORMATION TECHNOLOGY**III Year I Semester**

S.No.	Course Title	L	T	P	C
1	Machine learning with Python	3	-	2	4
2	Data Mining	3	-	2	4
3	Department Elective – I	3	-	-	3
4	Department Elective – II	3	-	2	4
5	Mini Project-II	-	-	3	2
Total		12	-	9	17

III Year II Semester

S.No.	Course Title	L	T	P	C
1	Department Elective – III	3	-	2	4
2	Department Elective – IV	3	-	-	3
3	Project	-	-	20	10
Total		6	-	22	17

CBCS Courses are highlighted in the above course structure**L: Lecture Hours/Week; T: Tutorial Hours/Week.****P: Practical Hours/Week; C: Credits of the Course**

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DEPARTMENT OF INFORMATION TECHNOLOGY**Department Electives**

S.No.	Course Name				Credits
		L	T	P	
1	Cloud Computing	3	0	0	3
2	Internet of Things	3	0	0	3
3	Software Testing Methodologies	3	0	0	3
4	Mobile Application Development	3	0	2	4
5	Advanced Web Technologies	3	0	2	4
6	Big Data Analytics	3	0	2	4
7	Multimedia Systems	3	0	0	3
8	Blockchain and its Applications	3	0	0	3
9	Computer Vision	3	0	2	4
10	Statistical Programming in R	3	0	2	4
11	Software Project Management	3	0	0	3
12	Introduction to Artificial Intelligence	3	0	0	3
13	Exploratory Data Analytics	3	0	2	4

L: Lecture Hours/Week; **T:** Tutorial Hours/Week.

P: Practical Hours/Week; **C:** Credits of the Course.


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DEPARTMENT OF INFORMATION TECHNOLOGY**Appendix II****List of courses that enable employability or entrepreneurship or skill development in the R21 Bachelor of Computer Applications (B.C.A) programme**

Year & Semester	Course Title	Course Nature
I,I	Digital Computer Fundamentals	Skill Development
I,I	Programming for Problem Solving I	Employability
I,I	Technical Communication English	Skill Development
I,I	Discrete Mathematical Structures	Skill Development
I,I	Office Automation Laboratory	Employability
I,I	IT workshop Laboratory	Employability
I,II	Programming for Problem Solving II	Employability
I,II	Python Programming	Employability
I,II	Fundamentals of Network Security	Employability
I,II	Probability and Statistics	Skill Development
I,II	Soft Skills Laboratory	Skill Development
I,II	Data Visualization Laboratory	Employability
I,II	Technical Seminar-I	Employability
II, I	Object Oriented Programming	Employability
II, I	Database Management Systems	Employability
II, I	Data Structures	Employability
II, I	Business Intelligence	Entrepreneurship
II, I	Human Values Professional Ethics & Gender Equity	Skill Development
II, I	Competitive coding Laboratory	Employability
II, I	Technical Seminar-II	Employability
II, II	Web Application Development	Employability
II, II	Software Engineering	Employability
II, II	Operating Systems	Skill Development
II, II	Computer Networks	Skill Development
II, II	Environmental Studies	Skill Development
II, II	Mini Project-I	Employability
III, I	Cloud Computing	Employability
III, I	Machine learning with python	Employability
III, I	Data Mining	Employability
III, II	Project	Employability
Department Electives	Cloud Computing	Employability



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Department Electives	Internet of Things	Employability
Department Electives	Software Testing Methodologies	Employability
Department Electives	Mobile Application Development	Employability
Department Electives	Advanced Web Technologies	Employability
Department Electives	Big Data Analytics	Employability
Department Electives	Multimedia Systems	Employability
Department Electives	Blockchain and its Applications	Employability
Department Electives	Computer Vision	Employability
Department Electives	Statistical Programming in R	Employability
Department Electives	Software Project Management	Employability
Department Electives	Introduction to Artificial Intelligence	Employability
Department Electives	Exploratory Data Analytics	Employability


Chairman, BOS



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Appendix III

List of new courses in the R21 Curriculum

BCA

S.No.	Course Title
1	Programming for Problem Solving I
2	Office Automation Laboratory
3	Programming for Problem Solving II
4	Fundamentals of Network Security
5	Data Visualization Laboratory
6	Technical Seminar-I
7	Business Intelligence
8	Human Values Professional Ethics & Gender Equity
9	Competitive coding Laboratory
10	Technical Seminar-II
11	Web Application Development
12	Environmental Studies
13	Machine learning with python
14	Software Testing Methodologies
15	Advanced Web Technologies
16	Blockchain and its Applications
17	Computer Vision
18	Software Project Management
19	Introduction to Artificial Intelligence
20	Exploratory Data Analytics

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