



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

DEPARTMENT OF COMPUTER APPLICATIONS

CIRCULAR

Date: 19.12.2023

The Department of Computer Applications is scheduled to conduct a Board of Studies (BoS) meeting on 23.12.2023 at 2.00 PM in blended mode. The Physical meeting venue is Room No: ATF-06, Third Floor U-Block VFSTR.

All the members are requested to make it convenient to attend the meeting.

Agenda of the BoS Meeting:

1. Review on DAAC meeting minutes
2. Review on proposed R24 MCA Curriculum Structure
3. Modifications in R22 BCA Syllabus – Computer Networks
4. Any other points based on the requirements.

Chairperson



DEPARTMENT OF COMPUTER APPLICATIONS

Date: 23.12.2023

Minutes of Board of Studies Meeting

The Board of Studies (BoS) meeting was conducted by the Department of Computer Applications on 23.12.2023 from 2.00 PM to 4.00 PM in blended mode. The Physical meeting venue is Room No: ATF-06, Third Floor U-Block VFSTR.

Agenda of the BoS Meeting:

1. Review on DAAC meeting minutes
2. Review on proposed R24 MCA Curriculum Structure
3. Modifications in R22 BCA Syllabus – Computer Networks
4. Any other points based on the requirements.

The following members were present either thorough offline or online.

S.No.	Name & Address of the Expert	Contact Details	Role	Sign
1	Dr. K. Santhi Sri Professor & Head Department of CA VFSTR Deemed to be University	Mobile: 9297105269 Mail-id : hodca@vignan.ac.in	Chair Person	
2	Dr. R. B.V. Subramaanyam Professor Department of CSE, NIT Warangal-506004, Telangana.	Mobile: +91 9491346969 Mail-id : rbvs66@gmail.com	External Member (Academic)	Online
3	Dr. B. Premamayudu Associate Professor, Department of Computer Science, Central University of Tamil Nadu, Tiruvarur, Tamil Nadu	Mobile: +91 9440006478 Mail-id : premamayudu@gmail.com	External Member (Academic)	Online
4	Dr.P.Anil Assistant Professor Department of CSE, National Institute of Technology Calicut, Kozhikode,Kerala, India- 673601	Mobile: +91 9381455321 Mail-id : anilpinapati@nitc.ac.in	Special Invitee	Online
5	Mrs.G. Hema Vineela Senior Principal Applications Engineer, Oracle, Hyderabad	Mobile: +91 9849040726 Mail-id : hemavineelag@gmail.com	External member (Industry)	Online

6	Dr.Ch.Siva Koteswara Rao Associate Professor, Department of CA VFSTR Deemed to be University	Mobile: 94403 72374 Mail-id: chskr_it@vignan.ac.in	Nominee of School Dean	
7	Dr.G. Shivakumar Assistant Professor Department of CA VFSTR Deemed to be University	Mobile: 8095237427 Mail-id: drsk_it@vignan.ac.in	Nominee of Dean, R&D	
8	Mrs.R.Naga Sirisha Assistant Professor Department of CA VFSTR Deemed to be University	Mobile: 9494852495 Mail-id : rns_it_tra@vignan.ac.in	Internal Member	
9	Dr.M.Srikanth Yadav Assistant Professor Department of IT VFSTR Deemed to be University	Mobile:8121827423 Mail-id: drmsk_it@vignan.ac.in	Other Department Member	
10.	Mr. Sk. Nyamathulla (Online Programmes) Assistant Professor Department of IT VFSTR Deemed to be University	Mobile:9885423099 Mail-id: nyamath.j@gmail.com	Nominee from CDOE	
11	Dr. R.S.Padma Priya Associate Professor, Department of CA VFSTR Deemed to be University	Mobile:8056582747 Mail-id : drpprs_ca@vignan.ac.in	Member Secretary	

The following resolutions made after the discussion:

1. The Department of CA has proposed a new curriculum structure for R24 MCA Programme. The BoS members reviewed the new curriculum structure and gave the following suggestions:
 - a) Feasibility of Web Technologies and Object-Oriented programming in the same semester was reviewed. BOS members suggested to include the Web Technologies course in I semester and Object-Oriented Programming in II semester
 - b) Merging of two courses Computer Organization and Operating Systems into single course as Computer Organization and Operating Systems.
 - c) Suggested to include Organization Behavior as elective course or as non-additive course.
 - d) Suggested to include Data Visualization concepts in Python Programming course.
- Approved the new Curriculum Structure for R24 MCA Programme with above suggestions. Curriculum Structure was enclosed in Appendix-I.

2. The Department of CA has proposed two specializations in the MCA Programme with effect from 2024-25 batch. After reviewing the syllabus, the committee approved the following two specializations:
 - a) MCA with AI & ML specialization
 - b) MCA with Data Science specialization
3. The internal members of BOS suggested to revise BCA - R22 Curriculum Computer Networks (22BC204) Course syllabus as most of the concepts of this course are already covered in Data Communications (22BC203). BOS members reviewed the modified syllabus and approved. The approved syllabus copy was enclosed in Appendix-II.
4. A comprehensive review of the existing Course Outcome (CO), Program Outcome (PO), and Program Specific Outcome (PSO) mapping across all courses were discussed by the BoS members to ensure that the current mappings accurately reflect achievable attainment levels, effectively support the principles of Outcome-Based Education (OBE), and remain aligned with current academic standards and industry demands.
5. The proposed course outcomes for all courses were approved by the BoS members.
6. Finally, the minutes was forwarded for Academic Council for approval.

Member Secretary

Chairperson

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DEPARTMENT OF COMPUTER APPLICATIONS**APPENDIX I****Proposed C24 MCA Programme: Credit & Curriculum Structure**

I YEAR I SEMESTER						
S.No.	Course code	Course Title	L	T	P	C
1	24MC101	Data Structures	3	-	2	4
2	24MC102	Python Programming	2	2	-	3
3	24MC103	Web Technologies	3	-	2	4
4	24MC104	Computer Organization and Operating Systems	3	2	-	4
5	24MC105	Probability and Statistics	3	-	2	4
6	24MC106	Software Engineering	2	2	-	3
7	24MC107	Technical English Communication	1	-	2	2
		Total	17	6	8	24
			31 hrs			

I YEAR II SEMESTER						
S.No.	Course Code	Course Title	L	T	P	C
1	24MC108	Database Systems	3	-	2	4
2	24MC109	Object Oriented Programming	3	-	2	4
3	24MC110	Computer Networks	2	2	-	3
4	24MC111	Organization Behavior	2	2	-	3

5	24MC112	Soft Skills Laboratory	-	-	2	1
7		Department Elective 1(ML) – AI & ML Department Elective 1(ML) – DS	3	-	2	4
8		Department Elective- 2 (ANN) – AI & ML Department Elective- 2 (Data Analytics) - DS	2	-	2	3
		Total	15	2	10	22
			27 hrs			



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II YEAR I SEMESTER						
S.No.	Course Code	Course Title	L	T	P	C
1	24MC201	Cryptography and Network Security	3	-	2	4
2	24MC202	Full Stack Technologies	3	-	2	4
3	24MC203	Big Data Analytics	2	2	-	3
	24MC204	SRPU DT	-	-	4	2
4		Department Elective – 3(DL) – AI & ML Department Elective – 3(DL) - DS	3	-	2	4
5		Department Elective – 4(NLP) – AI & ML Department Elective – 4(Social Media Analytics)-DS	2	-	2	3
6		MOOCS/NPTEL/ Dept. Elective	-	-	-	2
		Total	13	2	12	22
			27 hrs			
II YEAR II SEMESTER						
S.No.	Course Code	Course Title	L	T	P	C
1	24MC204/ 24MC205	Internship/ Project	-	2	22	12
		Total		24		12

Total No.of Credits : 24+22+22+12=80



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APPENDIX I

DEPARTMENT ELECTIVES (AI & ML)		DEPARTMENT ELECTIVES (Data Science)
S.No.	Course Title	
1	Machine Learning	Machine Learning
2	Deep Learning	Deep Learning
3	Data Analytics	Computer Vision
4	Advanced Data Structures and Algorithms	Data Wrangling and Visualization
5	Data Science Using Python	Mobile Application Development
6	Data Predictive Analytics	Formal Languages and Automata Theory
7	High Performance Computing	Digital Image Processing
8	Social Media Analytics	Design and Analysis of Algorithms
9	Data Analysis using SQL and Excel	Block Chain Technology
10	Data Exploration and Visualization NOSQL Databases	Cloud Computing
11	Exploratory Data Analysis	Cyber Security
12		Mobile Computing
13		Advanced Web Technologies
14		Natural Language Processing

Chairperson

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APPENDIX III

SUPPLEMENT REGULATION FOR PURSUING BCA HONOURS

The proposal to institute BCA Honours in line with the practices in Institutions of National Importance, is to elevate the Gross Qualification Index (GQI) of India, and specifically to enhance the technological/ engineering competency of the Technocrats.

In order to attract the committed learners towards earning BCA Honours immediately after BCA the following scheme is proposed:

1. Every candidate should express his/her provisional intent at the time of BCA admission for pursuing BCA Honours degree. However, he/she can exercise his option to change his intent and final confirmation should be submitted by the end of II year BCA programme.
2. A candidate needs to be well informed about the advantages that he/she will reap by completing a Honours degree in one stretch as an immediate follow up to BCA degree program.
3. The candidate, after acquiring enough knowledge can take a well informed decision to opt for BCA Honors late as by the end of II-year BCA programme (IV semester).

A candidate willing to switch over to BCA Honours from the existing BCA should follow the following terms, conditions and procedures:

1. He/she should be a candidate maintaining his studentship through proper registration process of his BCA programme
2. He/ she should have completed all the credit requirements up to the end of 3rd semester successfully with a CGPA of at least 7.5. the candidate is expected to likely to complete 6th semester successfully and to maintain the CGPA of at least 7.
3. He/ she should indicate his willingness to switch over his study from BCA to BCA Honours during the Module-2 period of II-year – Even semester (4th semester). When the call is given by the office of the Dean AAA for the purpose.

4. He/ she has to appear for an aptitude test/ interaction and the corresponding committee of experts constituted for the purpose has to recommended his/ her name.
5. The candidate formally enrolls for BCA Honours by the end of IV semester before the semester-end summative assessment period of IV semester
6. The existing BCA fee structure will get continued for the extended IV year.
7. Two additional courses in V and VI semesters of worth 8 credits and two regular semesters VII & VIII of study is required to get BCA Honours Degree of cumulative credits 167.

Chairperson