



**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: 22.03.2024

The Department of Computer Applications is scheduled to conduct a Board of Studies (BoS) meeting on 30.03.2024 from 2.00 pm to 4.00 pm in blended mode.

**Zoom Link:**

<https://us06web.zoom.us/j/89482600035?pwd=7EmwjUXgZimIcxdQoOM7zFmj39XCTA.1>

**Physical Venue:** AFTF-04, Fourth Floor, U BLOCK, VFSTR

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

**Agenda of the BoS Meeting:**

1. Discussion on previous meeting minutes
2. Minor Revision of R22 Credit Structure & Curriculum (C24).
3. Curriculum revision of MCA (C24) .
4. Proposal to introduce of BCA Honours from 2024-25 academic year onwards
5. Any other points based on the requirements.

**Chairperson**

HOD  
Department of Computer Applications  
Vignans Foundation for Science, Technology & Research  
(Deemed to be University)  
Vadlamudi-522 213, AP, India.



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## DEPARTMENT OF COMPUTER APPLICATIONS

Date: 30.03.2024

### **Minutes of Board of Studies Meeting**

The Department of Computer Applications conducted a Board of Studies (BoS) meeting on 30.03.2024 from 2.00 pm to 4.00 pm in blended mode.

#### **Zoom Link:**


<https://us06web.zoom.us/j/89482600035?pwd=7EmwjUXgZimIcxdQoOM7zFmj39XCTA.1>

**Physical Venue:** AFTF-04, Fourth Floor, U BLOCK, VFSTR

#### **Agenda of the BoS Meeting:**

1. Discussion on previous meeting minutes
2. Minor Revision of R22 Credit Structure & Curriculum (C24).
3. Curriculum revision of MCA (C24) conventional and Online programmes
4. Proposal to introduce BCA Honours from 2024-25 academic year onwards
5. 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	<b>Dr. K. Santhi Sri</b> Professor & Head Department of CA VFSTR Deemed to be University	Mobile: 9297105269 Mail-id : <a href="mailto:srisanthi@gmail.com">srisanthi@gmail.com</a>	Chairperson	
2	<b>Dr. R. B.V. Subramaanyam</b> Professor Department of CSE, NIT Warangal-506004, Telangana.	Mobile: +91 9491346969 Mail-id : <a href="mailto:rbvs66@gmail.com">rbvs66@gmail.com</a>	External Member (Academic)	ONLINE
3	<b>Dr. B. Premamayudu</b> Associate Professor, Department of Computer Science, Central University of Tamil Nadu, Tiruvarur, Tamil Nadu	Mobile: +91 9440006478 Mail-id : <a href="mailto:premamayudu@gmail.com">premayayudu@gmail.com</a>	External Member (Academic)	ONLINE
4	<b>Dr.P.Anil</b> Assistant Professor Department of CSE, National Institute of Technology Calicut, Kozhikode,Kerala, India	Mobile: +91 9381455321 Mail-id : <a href="mailto:anilpinapati@nitc.ac.in">anilpinapati@nitc.ac.in</a>	Special Invitee	ONLINE
5	<b>Mrs.G. Hema Vineela</b> Senior Principal Applications Engineer, Oracle, Hyderabad	Mobile: +91 9849040726 Mail-id : <a href="mailto:hemavineelag@gmail.com">hemavineelag@gmail.com</a>	External member (Industry)	ONLINE
6	<b>Dr.Ch.Siva Koteswara Rao</b> Associate Professor, Department of CA VFSTR Deemed to be University	Mobile: 94403 72374 Mail-id: <a href="mailto:chskr_it@vignan.ac.in">chskr_it@vignan.ac.in</a>	Nominee of School Dean	
7	<b>Dr.G. Shivakumar</b> Assistant Professor Department of CA VFSTR Deemed to be University	Mobile: 8095237427 Mail-id: <a href="mailto:drsk_it@vignan.ac.in">drsk_it@vignan.ac.in</a>	Nominee of Dean, R&D	
8	<b>Ms.R.Naga Sirisha</b> Assistant Professor Department of CA VFSTR Deemed to be University	Mobile: 9494852495 Mail id: <a href="mailto:rns_it@vignan.ac.in">rns_it@vignan.ac.in</a>	Internal Member	
9	<b>Dr.M.Srikanth Yadav</b> Assistant Professor Department of IT VFSTR Deemed to be University	Mobile:8121827423 Mail-id: <a href="mailto:drmsk_it@vignan.ac.in">drmsk_it@vignan.ac.in</a>	Other Department Member	
10	<b>Dr.R.S. Padma Priya</b> Assistant Professor Department of CA VFSTR Deemed to be University	Mobile:8056582747 Mail-id: <a href="mailto:priypadma@gmail.com">priypadma@gmail.com</a>	Member Secretary	

Chairperson Dr.K. Santhi Sree, Professor and Head, Department of CA, VFSTR opened the meeting by welcoming and introducing the external members, invitees to the internal members. Chairperson presented about offering BCA.,MCA providing multiple entry and multiple exits.

**The following points were discussed in the BoS meeting:**

1. Discussion on previous meeting minutes
2. Minor Revision of R22 Credit Structure & Curriculum (C24).
3. Curriculum revision of MCA (C24) conventional and Online programmes
4. Introduction of BCA Honours from 2024-25 academic year onwards
5. Any other points based on the requirements.

**The following resolutions made after the discussion:**

1. The BoS approved the Proposed C24 MCA Curriculum Structure for both conventional Programmes and online Programmes. The salient features include the reorganization of courses across semesters and offering two streams in the elective category (General and AI&ML). The Proposed C24 MCA Curriculum Structure is provided in Appendix-II.
2. BoS members have suggested the possibility of repositioning Environmental Studies or Management Studies to the second or third year, considering the substantial number of subjects and credits currently allocated in the first year.
3. BoS members suggested introducing the Machine Learning course in place of the Data Mining course for III BCA programmes.
4. Recommended consolidating Data Mining and Machine Learning into a single subject and restructuring the syllabus accordingly.
5. Proposed incorporating Compiler Design into Theory of Computation, highlighting the importance of understanding how compilers work to enhance students' practical skills.
6. Suggested moving Cryptography and Network Security to the third year instead of the fourth year, enabling students to explore more advanced courses in their final year.
7. Proposed integrating Deep Learning into core subjects and transferring Cloud Computing and Big Data Analytics to department electives, alongside introducing a data visualization course to align with current market trends.
8. BoS members approved implementing the BCA Honours (4-Year programme equivalent to B. Tech) from the Academic year 2024-25 onwards. SUPPLEMENT REGULATION FOR PURSUING BCA HONOURS can be found in Appendix – 3.

9. BoS members approved the following list of NPTEL courses.

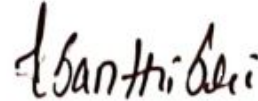
S.No.	Name of the Course	Credits
1	Introduction to Industry 4.0 And Industrial Internet Of Things	3
2	Principles of Management	3
3	Block- Chain and its Applications	3
4	Foundations of Cryptography	3
5	An Introduction to Artificial Intelligence	3
6	Introduction To Internet Of Things	3
7	Programming in Modern C++	3
8	Social Networks	3
9	Games and Information	3
10	Business Intelligence & Analytics	3

10. The meeting minutes was forwarded to Academic Council for Approval

There being no further points for discussion, the Chairperson thanks all the external, internal, invited members and announced that the meeting was adjourned.



**Member Secretary**



**Chairperson**

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

<b>I YEAR I SEMESTER</b>						
<b>S.No.</b>	<b>Course code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	24MC101	Data Structures	2	2	2	4
2	24MC102	Python Programming	2	-	2	3
3	24MC103	Web Technologies	-	2	2	2
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
		<b>Total</b>	<b>13</b>	<b>10</b>	<b>8</b>	<b>22</b>
			<b>31 hrs</b>			
<b>I YEAR II SEMESTER</b>						
<b>S.No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
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
6	24MC113	Socially Relevant Project using Design Thinking	-	-	4	2
7		Department Elective - 1	3	-	2	4
8		Department Elective - 2	3	-	2	4
		<b>Total</b>	<b>16</b>	<b>4</b>	<b>14</b>	<b>25</b>

			<b>34 hrs</b>	
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## DEPARTMENT OF COMPUTER APPLICATIONS

### APPENDIX I

<b>II YEAR I SEMESTER</b>						
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	3	-	2	4
4		Department Elective - 3	3	-	2	4
5		Department Elective - 4	2	2	-	3
6		MOOCS/NPTEL/ Dept. Elective	-	-	-	2
		<b>Total</b>	<b>14</b>	<b>2</b>	<b>8</b>	<b>21</b>
			<b>24 hrs</b>			
<b>II YEAR II SEMESTER</b>						
S.No.	Course Code	Course Title	L	T	P	C
1	24MC204/ 24MC205	Internship/ Project	-	2	22	12
		<b>Total</b>		<b>24</b>		<b>12</b>

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**DEPARTMENT OF COMPUTER APPLICATIONS****APPENDIX I**

<b>DEPARTMENT ELECTIVES (Data Science)</b>						
<b>S.No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	24MC801	Machine Learning	3	-	2	4
2	24MC802	Deep Learning	2	2	2	4
3	24MC803	Fundamentals of Image Processing	2	2	-	3
4	24MC804	Reinforcement Learning	2	2	-	3
5	24MC805	Evolutionary Computing	2	2	-	3
6	24MC806	Computer Vision	2	2	-	3
7	24MC807	Text Analytics	2	2	-	3
8	24MC808	Nature Inspired Computing Methods	2	2	-	3
9	24MC809	Soft Computing	2	2	-	3
10	24MC810	Data Analysis and Visualization	2	2	2	4
11	24MC811	Artificial Intelligence and Neural Network	3	-	2	4
12	24MC812	Data Wrangling and Visualization	2	2	2	4
13	24MC813	Social Media Analytics	2	2	-	3



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## DEPARTMENT OF COMPUTER APPLICATIONS

### APPENDIX I

DEPARTMENT ELECTIVES (General)						
S.No.	Course Code	Course Title	L	T	P	C
1	24MC801	Machine Learning	3	-	2	4
2	24MC802	Deep Learning	2	2	2	4
3	24MC806	Computer Vision	2	2	-	3
4	24MC812	Data Wrangling and Visualization	2	2	2	4
5	24MC814	Mobile Application Development	3	-	2	4
6	24MC815	Formal Languages and Automata Theory	3	-	2	4
7	24MC816	Digital Image Processing	2	2	-	3
8	24MC817	Design and Analysis of Algorithms	2	2	2	4
9	24MC818	Block Chain Technology	2	2	-	3
10	24MC819	Cloud Computing	3	-	2	4
11	24MC820	Cyber Security	2	2	-	3
12	24MC821	Mobile Computing	3	-	2	4
13	24MC822	Advanced Web Technologies	3	-	2	4
14	24MC823	Natural Language Processing	2	2	-	3

**Chairperson**

HOD

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