

DEPARTMENT OF COMPUTER APPLICATIONS

CIRCULAR

Date: 17.11.2025

Department of Computer Applications is going to conduct Board of Studies (BoS) meeting for the BCA and MCA programme on **02.12.2025** from 2.00 p.m. in blended mode. All the members are requested to make it convenient to attend the meeting.

Physical Meeting Venue : AFTF-04, HoD Conference room, U-Block, Fourth Floor

Online Meeting Link :

https://teams.microsoft.com/l/meetupjoin/19%3ameeting_MmExMzU2MzYtYmViNC00M2Y3LWIyMzMtZTUyNzQxMTIwNDhm%40thread.v2/0?context=%7b%22Tid%22%3a%223b0993d8-31db-4db6-b617-64ac193c7ace%22%2c%22Oid%22%3a%2277dcd3e8-f8ef-4d56-adcd-145501500b78%22%7d

The members are

S. No	Name of the member	Role
1	Dr.N. Veeranjanyulu Professor and Head, Department of Computer Applications Joint Dean - SoCI VFSTR	Chair person
2	Dr. R. B.V. Subramaanyam Professor Department of CSE, NIT Warangal-506004, Telangana.	External member (Academia)
3	Dr. B. Premamayudu Associate Professor, Department of Computer Science, Central University of Tamil Nadu, Tiruvarur, Tamil Nadu	External member (Academia)
4	Mrs.G. Hema Vineela Senior Principals Application Engineer, Oracle, Hyderabad.	External member (Industry)
5	Dr. K. Santhi Sri Professor Department of Computer Applications, VFSTR	Internal member (Nominee-Dean SoCI)
6	Dr.Ch. Siva Koteswarao Rao Associate Professor Department of Computer Applications, VFSTR	Internal member
7	Dr.K. Gayatri (MCA Coordinator) Associate Professor, Department of Computer Applications, VFSTR	Internal member (R&D nominee)

8	Dr.G. Shiva Kumar Associate Professor , Department of Computer Applications, VFSTR	Internal member
9	Mr. Sayyad Irfan (BCA Coordinator) Department of Computer Applications VFSTR	Internal member
10	Dr.M. Srikanth Yadav Associate Professor, Department of IT VFSTR	Internal member (Other Department)
11	Dr.R.S. Padma Priya Assistant Professor, (BoA) Department of Computer Applications VFSTR	Member Secretary

Agenda of the BoS Meeting:

1. Course Structure and Curriculum for BCA and MCA (R25 C25)
2. R22(C22 &C24) & R25 Assessment pattern changes
3. Result Analysis of the Even Semester (2024-2025) & Formative Assessment (2025-2026)
4. CO PO Attainment.
5. Placement Activities and Achievements till date
6. Workshops & Guest Lectures organized
7. Best Practices of the department.
8. Any other points for discussion



Member Secretary



Chairperson

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

DEPARTMENT OF COMPUTER APPLICATIONS

Date: 02.12.2025

Minutes of Board of Studies Meeting

Board of Studies (BoS) meeting of BCA and MCA programmes was conducted on 02.12.2025 in blended mode from 2.00 p.m to 4.00 p.m.

Physical Meeting Venue : AFTF-04, HoD Conference room, U-Block, Fourth Floor









Online Meeting Link :

https://teams.microsoft.com/l/meetupjoin/19%3ameeting_MmExMzU2MzYtYmViNC00M2Y3LWIyMzMtZTUyNzQxMTIwNDhm%40thread.v2/0?context=%7b%22Tid%22%3a%223b0993d8-31db-4db6-b617-64ac193c7ace%22%2c%22Oid%22%3a%2277dcd3e8-f8ef-4d56-adcd-145501500b78%22%7d

Agenda of the BoS Meeting:

1. Course Structure and Curriculum for BCA and MCA (R25 C25) for the upcoming Semester
2. R22(C22 &C24) & R25 Assessment pattern changes
3. Result Analysis of the Even Semester (2024-2025) & Formative Assessment (2025-2026)
4. CO PO Attainment.
5. Placement Activities and Achievements till date
6. Workshops & Guest Lectures organized
7. Best Practices of the department.
8. Any other points for discussion

The following members were present either thorough offline or online.

S. No	Name of the member	Role	Signature
1	Dr.N. Veeranjanyulu Professor and Head, Department of Computer Applications Joint Dean - SoCI VFSTR	Chair person	
2	Dr. R. B.V. Subramaanyam Professor Department of CSE, NIT Warangal- 506004, Telangana.	External member (Academia)	ONLINE
3	Dr. B. Premamayudu Associate Professor, Department of Computer Science, Central University of Tamil Nadu, Tiruvarur, Tamil Nadu	External member (Academia)	ONLINE
4	Mrs.G. Hema Vineela Senior Principals Application Engineer, Oracle, Hyderabad.	External member (Industry)	ABSENT
5	Dr. K. Santhi Sri Professor, Department of Computer Applications, VFSTR	Internal member (Nominee- Dean SoCI)	
6	Dr.Ch. Siva Koteswara Rao Associate Professor Department of Computer Applications, VFSTR	Internal member	
7	Dr.K. Gayatri (MCA Coordinator) Associate Professor, Department of Computer Applications, VFSTR	Internal member (R&D nominee)	
8	Dr.G. Shiva Kumar Associate Professor, Department of Computer Applications, VFSTR	Internal member	
9	Mr. Sayyad Irfan (BCA Coordinator) Department of Computer Applications VFSTR	Internal member	
10	Dr.M.Srikanth Yadav Associate Professor, Department of IT VFSTR	Internal member (Other Department)	
11	Dr.R.S.Padma Priya Associate Professor, (BoA) Department of Computer Applications VFSTR	Member Secretary	

The following members have taken leave of absence:

1. Ms.G. Hema Vineela – External Expert (Industry)

Chairperson Dr. N. Veeranjanyulu, Professor and Head, Department of Computer Applications, VFSTR initiated the meeting by welcoming and introducing the external members and invitees to the internal members.

The following points were discussed in the BoS meeting:

1. Course Structure and Curriculum for BCA and MCA (R25 C25) for the upcoming Semester
2. R22(C22 &C24) & R25 Assessment pattern changes
3. Result Analysis of the Even Semester (2024-2025) & Formative Assessment (2025-2026)
4. CO PO Attainment for 2024-2025 passed out batch.
5. Placement Activities and Achievements till date
6. Workshops & Guest Lectures organized
7. Best Practices of the department.
8. Any other points for discussion

The following are the observations:

1. Major restructuring has taken place in the curriculum which is oriented towards continuous learning and assessment based on Module structure.
2. Total average percentage of syllabus revised was **60%** compared to previous BoS in **Appendix - III**.
3. The result analysis for the Even Semester of the academic year 2024–2025 was presented to the experts, followed by the analysis of the Formative Assessment for the academic year 2025–2026 (Module 1 – T1).
4. The CO – PO attainment for the 2024-2025 passed out batch was discussed and corrective measures were suggested for further improvement.
5. The placement achievements of the students up to date was presented to the experts by the chairperson.
6. Student workshops organized and the best practices of the department was also discussed.
7. Feedback from various stakeholders are incorporated appropriately in the R25-C25 curriculum.

The following improvements are suggested: (Action Points)

1. External members suggested moving Data Analysis and Visualization from BCA I year II semester to II year I semester and introduce Fundamentals of AI.
2. Dr.R.B.V. Subrahmanyam suggested to refer University of Hyderabad M. Sc Health Psychology syllabus for the new course “Psychology of Digital Life”.
3. The experts suggested to categorize the elective list based on the number of credits.

The following recommendations and approvals are made after the discussion:

1. BoS Members approved the revised curriculum structure, syllabus, assessment schemes of BCA & MCA programmes.
2. The revised elective courses BCA & MCA Programme for the regulation R25-C25 are approved.

There being no further points for discussion, the Chairperson thanks all the external, internal, invited members and announced that the meeting was concluded. The meeting minutes was forwarded to the Academic Council for approval.



Member Secretary



Chairperson

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DEPARTMENT OF COMPUTER APPLICATIONS

APPENDIX I

Master of Computer Applications (MCA) : Curriculum Structure

I Year I Semester Structure

S.No	Subject code	Course Title	L	T	P	C	Remarks	Course offered by
1	25MC401	Data Structures	2	2	2	4	Professional Core	CA
2	25MC402	Python Programming	2	-	2	3	Professional Core	CA
3	25MC403	Web Technologies	-	2	2	2	Professional Core	CA
4	25MC404	Computer Organization and Operating Systems	3	2	-	4	Professional Core	CA
5	25MC405	Probability and Statistics	3	2	-	4	Basic Science	Mathematics & Statistics
6	25MC406	Software Engineering	2	2	-	3	Professional Core	CA
7	25MC407	Technical English Communication	1	-	2	2	Humanities	Science & Humanities
Total						22		

L=Lecture; T= Tutorial; P= Practical; C=Credits

I Year II Semester Structure

S.No	Subject code	Course Title	L	T	P	C	Remarks	Course offered by
1	25MC408	Database Systems	3	-	2	4	Professional Core	CA
2	25MC409	Object Oriented Programming	3	-	2	4	Professional Core	CA
3	25MC410	Computer Networks	2	2	-	3	Professional Core	CA
4	25MC411	Organization Behaviour	2	2	-	3	Management	Management Studies
5	25MC412	Soft Skills Laboratory	-	-	2	1	Humanities	Science & Humanities
6	25MC413	Socially Relevant Project using Design Thinking	-	-	4	2	Project	CA
7		Department Elective - 1	2	-	2	3	Elective 1	CA
8		Department Elective - 2	2	-	2	3	Elective 2	CA
9		Indian Knowledge System	-	2	-	1	Binary graded	Science & Humanities
Total						25		

II Year I Semester Structure

S.No	Subject code	Course Title	L	T	P	C	Remarks	Course offered by
1	25MC501	Cryptography & Network Security	3	-	2	4	Professional Core	CA
2	25MC502	Full Stack Technologies	3	-	2	4	Professional Core	CA
3	25MC503	Big Data Analytics	3	-	2	4	Professional Core	CA
4		Department Elective – 3	3	-	2	4	Elective 3	CA
5		Department Elective – 4	2	2	0	3	Elective 4	CA
6		MooCs/NPTEL/Dept. Elective	-	-	-	2		CA
Total						21		

II Year II Semester Structure

S.No	Subject code	Course Title	L	T	P	C	Remarks	Course offered by
1	25MC504/25MC505	Internship/Project	-	2	22	12	Project work	CA
Total						12		

List of Department Elective Courses

S. No.	Course Code	Course Title	L	T	P	SL	C
1.	25MC801	Machine Learning	3	0	2	3	4
2.	25MC802	Deep Learning	3	0	2	3	4
3.	25MC803	Cloud Computing	2	2	0	2	3
4.	25MC804	Generative AI	2	2	0	2	3
5.	25MC805	DevOps and MLOps	3	0	2	3	4
6.	25MC806	Mobile Application Development	3	0	2	3	4
7.	25MC807	Cyber Security	2	0	0	2	2
8.	25MC808	Block Chain Technology	2	2	0	2	3
9.	25MC809	Natural Language Processing	2	2	0	2	3
10.	25MC810	Computer Vision	3	2	0	2	4
11.	25MC811	Mobile Computing	3	0	0	3	3
12.	25MC812	Biometrics	2	2	2	2	4
13.	25MC813	Internet of Things	2	2	2	2	4
14.	25MC814	Software Quality Assurance and Automation	3	0	0	3	3
15.	25MC815	Soft Computing	2	2	0	2	3
16.	25MC816	Data Analysis and Visualization	2	0	2	2	3
17.	25MC817	Text Analytics	2	2	0	2	3
18.	25MC818	Quantum Computing	2	2	0	2	3
19.	25MC819	Artificial Intelligence and Neural Networks	3	2	0	3	4
20.	25MC820	Reinforcement Learning	2	2	0	2	3
21.	25MC821	Intellectual Property Rights	1	2	0	1	2
22.	25MC822	Research methodology	0	4	0	0	2
23.	25MC823	Digital Marketing	1	2	0	1	2

DEPARTMENT OF COMPUTER APPLICATIONS

APPENDIX I

Bachelor of Computer Applications (BCA) : Curriculum Structure

Pre Semester

Course Code	Course Title	L	T	P	SL	C	Course category	Course offered by
25BC101	Orientation Session	0	2	0	0	1	Ability Enhancement Courses	CA
25BC102	Fundamentals of Mathematical Structures in Computing	0	3	2	0	1	Core Courses	Mathematics
25BC103	English Language and Communication	0	3	2	0	1	Ability Enhancement Courses	Science & Humanities
25BC104	IT Tools	0	0	5	0	1	Skill Enhancement Courses	CA
Sub-Total		0	8	9	0	4		
Total		17			0	4		

I Year I Semester Structure

Course Code	Course Title	L	T	P	SL	C	Course category	Course offered by
25BC105	Digital Computer Fundamentals	2	2	0	2	3	Core Courses	CA
25BC106	Programming for Problem Solving	3	0	2	3	4	Skill Enhancement Courses	CA
25BC107	Technical English Communication	1	0	2	1	2	Ability Enhancement Courses	Science & Humanities
25BC108	Web Technology	0	2	2	0	2	Skill Enhancement Courses	CA
25BC109	Mathematical Foundations for Computer Science	2	2	0	2	3	Core Courses	Mathematics & Statistics
25BC110	Environmental Studies (Field Project)	1	2	2	1	3	Value added courses	Science & Humanities
25BC111	Physical Fitness, Sports and Games	0	0	2	0	1	Value added courses	PED
Sub-Total		09	08	10	09	18		
Total		27				18		

I Year II Semester

Course Code	Course Title	L	T	P	SL	C	Course category	Course offered by
25BC112	Object Oriented Programming	3	0	2	3	4	Skill Enhancement Courses	CA
25BC113	Data Structures	2	2	2	2	4	Core Courses	CA
25BC114	Probability and Statistics	2	2	0	2	3	Core Courses	Mathematics & Statistics
25BC115	Accounting And Financial Management	2	2	0	2	3	Multi- Disciplinary Elective Courses	Management Studies
25BC116	Introduction to Cyber Security	1	2	0	1	2	Skill Enhancement Courses	CA
25BC117	Data visualization Laboratory	0	0	4	0	2	Core Courses	CA
25BC118	Soft skills laboratory	0	0	4	0	2	Ability Enhancement Courses	Science & Humanities
25BC119	Indian Knowledge System	0	2	0	0	1	Multi-Disciplinary Elective Courses	Science & Humanities
Sub-Total		11	08	12	11	21		
Total		31				21		

II Year I Semester Structure

Course Code	Course Title	L	T	P	SL	C	Course category	Course Offered by
25BC201	Python Programming	2	0	2	2	3	Skill Enhancement Courses	CA
25BC202	Database Systems	3	0	2	3	4	Core Courses	CA
25BC203	Software Engineering	2	2	0	2	3	Core Courses	CA
25BC204	Operating systems	3	0	2	3	4	Core Courses	CA
25BC205	Management Science	2	2	0	2	3	Multi-Disciplinary Elective Courses	Management Studies
25BC206	Professional Communication Lab	0	0	4	0	2	Ability Enhancement Courses	Science & Humanities
25BC207	Design Thinking	0	0	2	0	1	Skill Enhancement Courses	CA
25BC208	Competitive Coding	0	0	2	0	1	Core Courses	CA
Sub-Total		12	06	12	12	21		
Total		30				21		

II Year II Semester

Course Code	Course Title	L	T	P	SL	C	Course category	Course offered by
25BC209	Computer Networks	3	0	2	3	4	Core Courses	CA
25BC210	Machine Learning	3	0	2	3	4	Core Courses	CA
25BC211	Psychology of Digital Life	2	2	0	2	3	Skill Enhancement Courses	Psychology
25BC212	Fundamentals of Artificial Intelligence	2	2	0	2	3	Core Courses	CA
25BC213	Quantitative Aptitude and Logical Reasoning	2	2	0	2	3	Skill Enhancement Courses	T&P
25BC214	Socially Relevant Project using Design Thinking	0	0	4	0	2	Skill Enhancement Courses	CA
25BC215	Advanced Coding Competency	0	0	2	0	1	Core Courses	CA
25BC216	Universal Human Values	0	2	0	0	1	Value added courses	Science & Humanities
Sub-Total		12	08	10	12	21		
Total		30				21		

III Year I Semester Structure

Course Code	Course Title	L	T	P	SL	C	Course category	Course offered by
25BC301	Cloud Computing	3	0	2	3	4	Core Courses	CA
25BC302	Cryptography & Network Security	2	2	0	2	3	Core Courses	CA
	Elective – I	3	0	2	3	4	Discipline Specific Electives	CA
	Elective – II	2	2	0	2	3	Discipline Specific Electives	CA
	MooCS/NPTEL/Dept. elective					2	Discipline Specific Electives	CA
Sub-Total		10	4	4	10	16		
Total		18				16		

III Year II Semester

Course Code	Course Title	L	T	P	SL	C	Course category	Course offered by
	Elective – III	2	2	0	2	3	Discipline Specific Electives	CA
	Elective – IV	3	0	2	3	4	Discipline Specific Electives	CA
25BC303	Project work	0	2	22	0	12	Skill Enhancement Courses	CA
Sub-Total		05	04	24	05	19		
Total		33				19		

List of Electives

S.No	Course Code	Course Title	L	T	P	SL	C
1	25BC801	Organization Behavior	2	2	0	2	4
2	25BC802	Data Science using Python	3	0	2	3	4
3	25BC803	Deep Learning	3	0	2	3	4
4	25BC804	Big Data Analytics	3	0	2	3	4
5	25BC805	Advanced Web Technologies	3	0	2	3	4
6	25BC806	Mobile Application Development	3	0	2	3	4
7	25BC807	Network Programming	3	0	2	3	4
8	25BC808	Full Stack Technologies	2	2	0	2	3
9	25BC809	Artificial Intelligence	2	2	0	2	3
10	25BC810	Natural Language Processing	2	2	0	2	3
11	25BC811	Reinforcement Learning	2	2	0	2	3
12	25BC812	Blockchain technologies	2	2	0	2	3
13	25BC813	Soft Computing	2	2	0	2	3
14	25BC814	Mobile Computing	2	2	0	2	3
15	25BC815	Computer Graphics	2	2	0	2	3
16	25BC816	Advanced Computer Architecture	1	2	0	1	2
17	25BC817	Digital Marketing	1	2	0	1	2
18	25BC818	Fundamentals of Ethical Hacking	2	2	0	2	3



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APPENDIX II

List of Courses that Enables Employability or Entrepreneurship or Skill Development

S. No.	Course Code	Course Title	Year of Introduction	Employability / Entrepreneurship / Skill development
1	25BC114	Probability and Statistics	2025	Skill development
2	25BC115	Accounting and Financial Management	2025	Skill development
3	25BC211	Psychology of Digital Life	2025	Skill development
4	25BC212	Fundamentals of Artificial Intelligence	2025	Skill development



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DEPARTMENT OF COMPUTER APPLICATIONS

APPENDIX VII

Action Taken Report (ATR) on the suggestions given in earlier BoS meetings

S.No.	Action Point	Response
1.	Include GitHub and Figma tools in Web Technologies for MCA	Included programs for lab Practice
2.	Suggested to include courses related to security	Biometrics, Cybersecurity has been included in elective courses
3.	Suggested to include trending technologies	Generative AI, DevOps and MLOps, Quantum Computing has been included in the elective courses



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