



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA
New Horizon Knowledge Park, Ring Road, Bellandur Post, Bengaluru 560 103

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

10th Board of Studies Meeting


Minutes of Meeting


Academic Year 2024-25

Venue: B-307, Sardar Vallabhbhai Patel Block

Date: 23rd November 2024

Time: 10:30 AM – 1:00 PM


Head of the Department
Department of Master of Computer Applications
NEW HORIZON COLLEGE OF ENGINEERING
Ring Road, Bellandur Post, Bengaluru - 560 103


30/11/24

NHCE/MCA/2024-25

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CONSTITUTION OF THE BOARD OF STUDIES (2024-25)

S.No.	Academic Board	Structure/Constitution	Functions/Responsibilities	Frequency of Meetings
1	BOS	BOS Constituted with <ul style="list-style-type: none"> • Head of the Department as Chairman • Faculty members at different level with different specialization • Subject experts from outside the college nominated by academic council • Academic Expert from outside the college nominated by VTU • Representatives from Industry / Corporate sector / allied area related to placements, nominated by academic council • Post Graduate meritorious alumni nominated by Principal • Co-opted members with academic & research expertise. 	<ul style="list-style-type: none"> • Recommendation and approval of curriculum-Scheme and Syllabus • Suggestions for incorporating new technologies /course • Removal of obsolete topics • To bridge the gap between industry and academia with supportive instructions and relevance • Validation and approval of course objectives and outcomes • Module-wise recommendation/ discussion/ suggestion for each proposed course of curriculum • Recommendations and approval of rubrics for evaluation. 	Once in a year

BOS CHAIRMAN


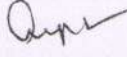


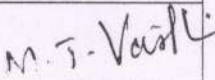
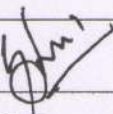
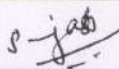
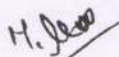

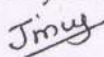
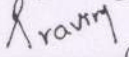

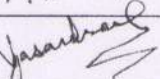

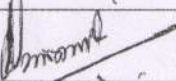

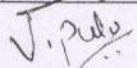


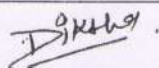
List of members - BOARD OF STUDIES A.Y: 2024-25

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

S.No	Category	Name
1	<i>Chairperson – BOS</i>	Dr. V. Asha, Professor & Head, Department of MCA, New Horizon College of Engineering (NHCE) , Bengaluru.
2	<i>Special Invitees (one academician from Institution of National Eminence, IIT, NIT, IIM, IISC)</i>	Dr. Manjunatha B Head of the Institution, NHCE, Bengaluru. Dr. Jaidhar C D, Associate Professor, Department of Information Technology, National Institute of Technology, Suratkal Dr. R.J. Anandhi, Dean Academics, NHCE, Bengaluru. Prof. Gurucharan Singh, Senior Executive Director, Department of HRD, NHCE, Bengaluru.
3	<i>Subject Experts from outside the College nominated by Academic Council (VTU Nominee)</i>	Dr. Balaji Rajendran, Associate Director, C-DAC, Bengaluru.
4	<i>Representative from Industry/ Corporate Sector / allied area relating to placements nominated by Academic Council</i>	Mr. Vasanthram S, Sr. Program Manager, ARYAKA networks, Bengaluru. Mr. Pravin Kumar Sinha Lead Data Engineer, VISA, Bengaluru.
5	<i>Postgraduate meritorious alumnus nominated by Principal</i>	Mr. Vipul Kumar, Sr. Consultant Engineer, Open Text, Bengaluru. Mr. Melvin Vincent, Senior Customer Support Engineer, Azul Inc. Bengaluru.

6	<i>Subject Experts from outside the College nominated by Academic Council</i>	Prof. Lakshminarayana, Associate Professor, Department of MCA, BMS College of Engineering, Bengaluru.
7	<i>Faculty members at different levels with different specializations</i>	Dr. Arpana Prasad
		Dr. B Nithya Ramesh
		Dr. M T Vasumathi
		Prof. S.P. Sreeja
8	<i>Co-opted member</i>	Mr. Aniz Mirza
		Dr. Mithili Devi
		Prof. M. Govindaraj
		Prof. N S Sukanya
		Prof. Jincy C Mathew
		Prof. Neethu Tressa
		Prof. A. Kalaivani
		Prof. J Sathya
		Prof. Priya Thomas
	Prof. Diksha Dhiman	

List of Members Present

SL NO	NAME	SIGNATURE	SL NO	NAME	SIGNATURE
1	Dr. V. Asha		12	Dr. Arpana Prasad	
2	Dr. R J Anandhi		13	Dr. Nithya Ramesh	
3	Dr. Balaji Rajendran	Online	14	Dr. Vasumathi M T	
4	Prof. Gurucharan Singh		15	Prof. S P Sreaja	
5	Dr. Jaidhar C D	Online	16	Prof. Govindaraj M	
6	Prof. Lakshminarayana P		17	Prof. Jincy C Mathew	
7	Mr. Pravin Kumar Sinha		18	Prof. Neethu Tressa	
8	Mr. Vasanthram S		19	Dr. Mithili Devi	
9	Mr. Anis Mirza		20	Prof. N S Sukanya	
10	Mr. Vipul Kumar		21	Prof. J. Sathya	
11	Mr. Melvin Vincent	Online	22	Prof. Priya Thomas	
			23	Prof. Diksha Dhiman	

Welcome Address and Introduction of the Members

The **10th Board of Studies (BoS) Meeting** for the Department of Master of Computer Applications was convened on **23rd November 2024** at **10:30 AM**. The meeting commenced with a warm welcome from the Chairperson, **Dr. V. Asha**, Professor and Head of the Department of Master of Computer Applications. Dr. Asha greeted all members and introduced the distinguished guests.

The Chairperson welcomed the **VTU Nominee, Dr. Balaji Rajendran**, Associate Director, **C-DAC**, for his presence. She expressed her gratitude to special guests from **New Horizon College of Engineering** and the invited expert, **Dr. Jaidhar C D**, Associate Professor, Department of Information Technology, **National Institute of Technology, Suratkal**. She introduced the external academic subject expert, **Prof. Lakshminarayana** from the Department of MCA, **BMS College of Engineering**.

Dr. Asha expressed her gratitude to the industrial nominees, **Mr. Pravin Kumar Sinha** from **VISA Bengaluru** and **Mr. Vasanthram S** from **ARYAKA Networks**, for attending the meeting despite their demanding schedules. She further welcomed the department's distinguished alumni, **Mr. Vipul Kumar**, Senior Consultant Engineer at **Open Text**, and **Mr. Melvin Vincent**, Senior Customer Support Engineer at **Azul Inc**. The chairperson also introduced **Mr. Aniz Mirza** from the Department of HRD, **New Horizon College of Engineering**, along with faculty members and co-opted members of the department.

With the permission of the Board, **Dr. Asha** proceeded to present the agenda for the 10th Board of Studies meeting.

AGENDA 1: Highlights of MCA Programme

- Academic Excellence
- Technical Proficiency in the Curriculum
- Industry-Academia Collaborations
- Integration of MOOC Courses
- Opportunities for Demonstrating Technical Expertise
- Fostering Creativity and Innovation
- Faculty Expertise and Resources
- State-of-the-Art Learning Infrastructure
- Contemporary Value-Added Professional Programs

AGENDA 2: Proposed Scheme and Syllabus for the Academic Year 2024-25 (Batch 2024-26, Semesters I & II)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS MCA DEGREE CURRICULUM - COURSE CREDIT STRUCTURE ACADEMIC YEAR 2024-2025: SEMESTER I TO IV

SEMESTER	CORE	ELECTIVE	MINI PROJECT / PROJECT WORK	SEMINAR	TOTAL CREDITS
I	20	0	0	0	20
II	12	6	2	0	20
III	6	3	11	0	20
IV	0	6	12	2	20
TOTAL	38	15	25	2	80
% of Distribution	48%	19%	31%	2%	100%

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF FIRST SEMESTER MCA PROGRAM
AY 2024-25

S NO	BOARD/COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY (THEORY)	MARKS			
					L	T	P	S			CIE	SEE	TOTAL	
1	AS/BSC	24MATC11	COMPUTATIONAL MATHEMATICS	MCA	2	1	0	0	3	4	50	50	100	
2	MCA/PCC	24MCA12	PROGRAMMING SOLVING WITH C	MCA	3	0	0	0	3	3	50	50	100	
3	MCA/PCC	24MCA13	OBJECT ORIENTED PROGRAMMING WITH JAVA	MCA	3	0	0	0	3	3	50	50	100	
4	MCA/PCC	24MCA14	SOFTWARE ENGINEERING AND TESTING	MCA	3	0	0	0	3	3	50	50	100	
5	MCA/IPCC	24MCA15	LINUX OPERATING SYSTEM AND SHELL SCRIPTING	MCA	2	0	1	0	3	4	50	50	100	
6	MCA/IPCC	24MCA16	DATA BASE MANAGEMENT SYSTEMS	MCA	2	0	1	0	3	4	50	50	100	
7	MCA/PCCL	24MCAL17	PROGRAMMING WITH C LAB	MCA	0	0	1	0	1	2	50	50	100	
8	MCA/PCCL	24MCAL18	OBJECT ORIENTED PROGRAMMING WITH JAVA LAB	MCA	0	0	1	0	1	2	50	50	100	
9	LS/AEC	22HSSC19	LIFE SKILLS FOR PROFESSIONALS -1	MCA	0	0	0	0	0	2	-	-	PP	
10	AS/NCMC	24MATC19	FOUNDATION MATHEMATICS FOR COMPUTER APPLICATIONS *	MCA	-	-	-	-	-	3	50	-	50	
TOTAL						15	1	4	0	20	27	400	400	800
<p style="text-align: center;">Note: BSC – Basic Science Courses, PCC - Professional Core Courses, IPCC - Integrated Professional Core Courses, (No SEE for lab component, only CIE), PCCL - Professional Core Course Lab L – Lecture, T- Tutorial, P-Practical, S - Self Study</p>														
<p style="text-align: center;">Research Methodology and IPR Online Course should be mandatorily taken by the students anytime during the program, However the marks will be included in 4th semester. Students have to qualify it for the award of master's degree *Bridge Course ; Non-Credit Mandatory Course 24MATC19- Foundation Mathematics for Computer Applications : Students who have not taken Mathematics at the 10+2 or degree level are required to study and pass this course in the 1st semester. However, this course/ subject will not be considered for vertical progression.</p>														

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF SECOND SEMESTER MCA PROGRAM
AY 2024-25

S NO	BOARD/ COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY (THEORY)	MARKS		
					L	T	P	S			CIE	SEE	TOTAL
1	MCA/PCC	24MCA21	DATA STRUCTURES	MCA	3	0	0	0	3	3	50	50	100
2	MCA/PCC	24MCA22	ADVANCED JAVA	MCA	3	0	0	0	3	3	50	50	100
3	MCA/PCC	24MCA23	DESIGN AND ANALYSIS OF ALGORITHMS	MCA	2	1	0	0	3	4	50	50	100
4	MCA/PEC	24MCA24X	PROFESSIONAL ELECTIVES-1	MCA	3	0	0	0	3	3	50	50	100
5	MCA/PEC	24MCA25X	PROFESSIONAL ELECTIVES-2	MCA	0	1	2	0	3	6	50	50	100
6	MCA/PCCL	24MCAL26	DATA STRUCTURES AND ALGORITHMS LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
7	MCA/PCCL	24MCAL27	ADVANCED JAVA AND ENTERPRISE ARCHITECTURE LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
8	MCA/MP	24MCAL28	MINI PROJECT USING JAVA AND DBMS	MCA	0	0	2	0	2	-	50	50	100
9	LS/AEC	22HSSC229	LIFE SKILLS FOR PROFESSIONALS -2	MCA	0	0	0	0	0	2	-	-	PP
TOTAL					11	2	7	0	20	27	400	400	800
<p>Note: PCC - Professional Core Courses, PEC – Professional Elective Course, PCCL - Professional Core Course Lab, AEC- Ability Enhancement Course L - Lecture, T- Tutorial, P-Practical, S - Self Study</p>													
<p>*Research Methodology and IPR Online Course should be mandatorily taken by the students anytime during the program, However the marks will be included in 4th semester. Students have to qualify it for the award of master's degree. AEC- Students are required to select topics such as ERP, R Programming, Scripting Languages, Web Development Applications, etc. Students must develop a small prototype based on their chosen topic and demonstrate it. A one-week intensive communication skills training program will be scheduled during the vacation.</p>													

PROFESSIONAL ELECTIVES-1								
SNO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	24MCA241	DATA WAREHOUSING AND DATA MINING	MCA	3	0	0	0	3
2	24MCA242	CYBER SECURITY AND CYBER LAW	MCA	3	0	0	0	3
3	24MCA243	CRYPTOGRAPHY AND NETWORK SECURITY	MCA	3	0	0	0	3
4	24MCA244	ARTIFICIAL INTELLIGENCE	MCA	3	0	0	0	3
5	24MCA245	USER INTERFACE AND USER EXPERIENCE DESIGN	MCA	3	0	0	0	3

PROFESSIONAL ELECTIVES-2								
SNO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	24MCA251	BUSINESS INTELLIGENCE AND DATA ANALYTICS	MCA	0	1	2	0	3
2	24MCA252	MOBILE APPLICATION DEVELOPMENT	MCA	0	1	2	0	3
3	24MCA253	NON RELATIONAL DATABASES (NoSQL)	MCA	0	1	2	0	3
4	24MCA254	ASP .NET WITH C#	MCA	0	1	2	0	3
5	24MCA255	ADVANCED WEB DESIGNING	MCA	0	1	2	0	3

AGENDA 3: CO, PO, Credit and RBT levels requirements and mapping verification

S.No	Graduate Attributes	Program Outcomes (POs)
1.	PO1: Foundation knowledge	Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.
2.	PO2: Problem Analysis	Identify, review, formulate and analyze problems primarily focusing on customer requirements using critical thinking frameworks.
3.	PO3: Development of Solutions	Design, develop and investigate problems with an innovative approach for solutions incorporating ESG/SDG goals.
4.	PO4: Modern Tools Usage	Select, adapt and apply modern computational tools such as development of algorithms with an understanding of the limitations including human biases.
5.	PO5: Individual and Teamwork	Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.
6.	PO6: Project Management and Finance	Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.
7.	PO7: Ethics	Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware.
8.	PO8: Life-long Learning	Change management skills and the ability to learn, keep up with contemporary technologies and ways of working.

The **Program Outcomes (POs)** are mapped to the **Course Outcomes (COs)** of each course using a **CO-PO table**. The correlation values of 3, 2, and 1 represent the degree of alignment between COs and POs, with the following labels: **High (3)**, **Medium (2)**, and **Low (1)**.

The **Course Outcomes (COs)** are articulated using the **Revised Bloom's Taxonomy (RBT)** levels to ensure their effective attainment. The course outcomes are defined across cognitive levels, ranging from **Level 1 to Level 6**, as follows:

- **Level 1** – Remember
- **Level 2** – Understand
- **Level 3** – Apply
- **Level 4** – Analyze
- **Level 5** – Evaluate
- **Level 6** – Create

The **CO-PO mapping** for each course has been thoroughly verified by both the faculty members and expert members of the Board of Studies (BoS).

AGENDA 4: Suggestions and Recommendations of the BoS Members

The Board of Studies, after a detailed review and discussion, made the following recommendations to refine the MCA I Year curriculum for the Academic Year 2024-25:

1. Curriculum Refinement in Semester I:

- The board emphasized including *Problem Solving with C* to strengthen fundamental programming skills, which are critical for placements.
- *Computer Networks* to be included as a Professional Core Course, replacing *Software Engineering and Testing*, which is shifted to a Professional Elective-I in Semester II.

2. Non-Credit Courses and Workshops:

- The board suggested removing *Life Skills for Professionals I and II* as Non-Credit Courses in Semesters I and II. Instead, dedicated workshops focusing on communication skills, placements, and industry readiness should be arranged during vacation periods.

3. Professional Electives Restructuring:

- The board recommended replacing *Data Warehousing and Data Mining* with *Cloud Computing* in Professional Elective I, Semester II citing overlapping content with other core courses.

- In Professional Elective II, which is now renamed as Lab Based Professional Electives-1 in Semester II, the course *Advanced Web Designing* to be replaced by *Competitive Programming with Python*, ensuring practical, hands-on learning suitable for students at this stage.
- *Non-Relational Databases (NoSQL)* of Semester II to be renamed to *Non-Relational Databases (NoSQL) with MongoDB*, emphasizing the inclusion of specific tools.

4. Focus on Practical Learning:

- The board proposed renaming Professional Elective II in Semester II as Lab Based Professional Electives-1 to better reflect its hands-on approach.
- The *Advanced Java and Enterprise Architecture Lab* to be renamed as *Advanced Java Lab* to align with the focus on core concepts.
- The *Mini Project using Java and DBMS* to be renamed to *Mini Project* to allow flexibility in the choice of technology.

5. Integration of Online Learning and Certifications:

- The board strongly recommended and emphasised incorporating MOOC certifications in line with VTU anytime during the programme, preferably to be added in scheme of Semester IV. Students may also be encouraged to pursue global certifications to enhance their competencies.

6. General Enhancements:

- Strengthening of *Object-Oriented Programming with Java* by enhancing the first module's focus on core OOP concepts is suggested.
- A one-week intensive communication skills training program is recommended during the vacation to complement academic learning with professional development.

The finalized scheme and syllabus for Semester I and II of AY 2024-25 is prepared considering the above recommendations to align with the VTU guidelines and industry requirements.

Based on the recommendations of the Board, the following Scheme and Syllabus for the Academic Year 2024-25 (Batch 2024-26, Semesters I & II) have been finalized.

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF FIRST SEMESTER MCA PROGRAM
AY 2024-25

S NO	BOARD/COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY (THEORY)	MARKS		
					L	T	P	S			CIE	SEE	TOTAL
1	AS/BSC	24MATC11	COMPUTATIONAL MATHEMATICS	MCA	2	1	0	0	3	4	50	50	100
2	MCA/PCC	24MCA12	PROBLEM SOLVING WITH C	MCA	3	0	0	0	3	3	50	50	100
3	MCA/PCC	24MCA13	OBJECT ORIENTED PROGRAMMING WITH JAVA	MCA	3	0	0	0	3	3	50	50	100
4	MCA/PCC	24MCA14	COMPUTER NETWORKS	MCA	3	0	0	0	3	3	50	50	100
5	MCA/IPCC	24MCA15	LINUX OPERATING SYSTEM AND SHELL SCRIPTING	MCA	2	0	1	0	3	4	50	50	100
6	MCA/IPCC	24MCA16	DATABASE MANAGEMENT SYSTEMS	MCA	2	0	1	0	3	4	50	50	100
7	MCA/PCCL	24MCAL17	PROGRAMMING WITH C LAB	MCA	0	0	1	0	1	3	50	50	100
8	MCA/PCCL	24MCAL18	OBJECT ORIENTED PROGRAMMING WITH JAVA LAB	MCA	0	0	1	0	1	3	50	50	100
9	AS/NCMC	24MATC19	FOUNDATION MATHEMATICS FOR COMPUTER APPLICATIONS *	MCA	-	-	-	-	-	3	50	-	50
TOTAL					15	1	4	0	20	27	400	400	800
<p style="text-align: center;">Note: BSC – Basic Science Courses, PCC - Professional Core Courses, IPCC - Integrated Professional Core Courses, (No SEE for lab component, only CIE), PCCL - Professional Core Course Lab L - Lecture, T- Tutorial, P-Practical, S - Self Study</p>													
<p style="text-align: center;">Research Methodology and IPR Online Course should be mandatorily taken by the students anytime during the program, However the marks will be included in 4th semester. Students have to qualify it for the award of master's degree *Bridge Course : Non-Credit Mandatory Course 24MATC19- Foundation Mathematics for Computer Applications : Students who have not taken Mathematics at the 10+2 or degree level are required to study and pass this course in the 1st semester. However, this course/ subject will not be considered for vertical progression.</p>													

**DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF SECOND SEMESTER MCA PROGRAM
AY 2024-25**

S NO	BOARD/ COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY (THEORY)	MARKS		
					L	T	P	S			CIE	SEE	TOTAL
1	MCA/PCC	24MCA21	DATA STRUCTURES	MCA	3	0	0	0	3	3	50	50	100
2	MCA/PCC	24MCA22	ADVANCED JAVA	MCA	3	0	0	0	3	3	50	50	100
3	MCA/PCC	24MCA23	DESIGN AND ANALYSIS OF ALGORITHMS	MCA	3	0	0	0	3	4	50	50	100
4	MCA/PEC	24MCA24X	PROFESSIONAL ELECTIVES-1	MCA	3	0	0	0	3	3	50	50	100
5	MCA/PEC	24MCA25X	LAB BASED PROFESSIONAL ELECTIVES-1	MCA	0	1	2	0	3	6	50	50	100
6	MCA/PCCL	24MCAL26	DATA STRUCTURES AND ALGORITHMS LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
7	MCA/PCCL	24MCAL27	ADVANCED JAVA LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
8	MCA/AEC	24MCA28	MINI PROJECT	MCA	0	0	0	2	2	-	50	50	100
TOTAL					12	1	5	2	20	25	400	400	800
<p style="text-align: center;">Note: PCC - Professional Core Courses, PEC - Professional Elective Course, PCCL - Professional Core Course Lab, AEC- Ability Enhancement Course L - Lecture, T- Tutorial, P-Practical, S - Self Study</p>													
<p style="text-align: center;">*Research Methodology and IPR Online Course should be mandatorily taken by the students anytime during the program, However the marks will be included in 4th semester. Students have to qualify it for the award of master's degree. AEC- Students are required to select topics such as ERP, R Programming, Scripting Languages, Web Development Applications, etc. Students must develop a small prototype based on their chosen topic and demonstrate it. A one-week intensive communication skills training program will be scheduled during the vacation.</p>													

PROFESSIONAL ELECTIVES-1								
SNO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	24MCA241	CLOUD COMPUTING	MCA	3	0	0	0	3
2	24MCA242	CYBER SECURITY AND CYBER LAW	MCA	3	0	0	0	3
3	24MCA243	CRYPTOGRAPHY AND NETWORK SECURITY	MCA	3	0	0	0	3
4	24MCA244	ARTIFICIAL INTELLIGENCE	MCA	3	0	0	0	3
5	24MCA245	SOFTWARE ENGINEERING AND TESTING	MCA	3	0	0	0	3

LAB BASED PROFESSIONAL ELECTIVES-1								
SNO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	24MCA251	BUSINESS INTELLIGENCE AND DATA ANALYTICS	MCA	0	1	2	0	3
2	24MCA252	MOBILE APPLICATION DEVELOPMENT	MCA	0	1	2	0	3
3	24MCA253	COMPETITIVE PROGRAMMING WITH PYTHON	MCA	0	1	2	0	3
4	24MCA254	NON RELATIONAL DATABASES (NoSQL) WITH MongoDB	MCA	0	1	2	0	3
5	24MCA255	ASP.NET WITH C#	MCA	0	1	2	0	3

AGENDA 5: Approval of Scheme & Syllabus

The Board of Studies members reviewed the revised scheme and syllabus, ensuring that their recommendations and suggestions were appropriately incorporated. Following the review, the members approved the modified draft for final implementation.

AGENDA 6: Stakeholders Feedback and Considerations

Feedback and suggestions from students, exit surveys, faculty course feedback, PTM discussions, and external expert members are systematically incorporated into BoS decisions to ensure a well-rounded and complaint-free curriculum.

- **Student Course Feedback:** Collected every academic semester for all individual courses through a feedback link provided by the Library and Information Centre, NHCE.
- **Exit Survey:** Conducted with graduating students as they leave the campus, capturing their reflections on infrastructure, curriculum, placement opportunities, and other facilities.
- **Faculty Course Feedback:** Obtained from faculty members who taught the courses during the academic semester. Inputs regarding the strengths, weaknesses, content, and delivery modes are carefully reviewed and considered.
- **Parent-Teacher Meetings (PTM):** Held twice a year, during the interim periods of odd and even semesters. The faculty coordinator documents the remarks and suggestions received during these meetings, which are then incorporated into BoS decisions.

Vote of thanks

The Chairman of the Board of Studies (BoS) consolidated the recommendations proposed by its members, which were unanimously accepted by all. It was assured that the approved changes would be incorporated into the syllabus and scheme for the Academic Year 2024-25 (1st and 2nd Semesters).

The session concluded with a vote of thanks proposed by Dr. M. T. Vasumathi, Associate Professor, MCA Department. She expressed her heartfelt gratitude to all BoS members and stakeholders for their valuable contributions toward making the program aligned with both industry and academic standards.



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