

The Heritage Institution
KANYA MAHA VIDYALAYA, JALANDHAR
(An Autonomous College)

Session 2025-26



**Proceedings of 10th A and 10th Meetings
of Board of Studies**

FOR STARTING MCA COURSE

Date: May 14,2025 and May 31,2025

Online through: Zoom Cloud Meeting

AGENDA

Item: Comp. Sc.10 (A): 2025: 1

To discuss the proposed syllabi of Master of Computer Applications under Credit based Continuous Evaluation Grading System for batch 2025-27.

KANYA MAHA VIDYALAYA, JALANDHAR (UGC Autonomous College)

Agenda of the 10th (A) Meeting of Board of Studies PG Department of Computer Science & Applications

The tenth (A) meeting of the Board of Studies of **Computer Science & Applications** will be held on May 14, 2025 at 1 p.m. in the hybrid mode, to discuss about the start of MCA Program from the Session 2025-26.

Following Members of the Board of Studies are invited to attend the meeting:

1.	Dr. Suman Khurana (Head) PG Department of Computer Science & Applications Kanya Maha Vidyalaya, Jalandhar	Chairperson
2.	Dr. Sandeep Sharma (Professor and Head) Department of Computer Engineering & Technology Guru Nanak Dev University, Amritsar (University Nominee)	Member
3.	Dr. Kawaljeet Singh (Director) University Computer Centre Punjabi University, Patiala (Outside Parent University Nominee)	Member
4.	Dr. A. L. Sangal (Professor and Head) Department of Computer Science and Engineering Dr B R Ambedkar National Institute of Technology, Jalandhar (Outside Parent University Nominee)	Member
5.	Mr. Vipin Kumar Managing Director O7 Services, Jalandhar (Industry Expert)	Member
6.	Ms. Vibhuti Malhotra Senior QA , APEXA Corp , USA (Alumni Nominee)	Member
7.	Dr. Pardeep Arora (Assoc. Prof.) Department of Computer Science & Applications, KMV	Member
8.	Dr. Ravi Khurana (Assoc. Prof.) Department of Computer Science & Applications, KMV	Member

9.	Dr. Nitin Khanna (Assistant Prof.) Department of Computer Science & Applications, KMV	Member
11.	Ms. Vandana Sharma (Assistant Prof.) Department of Computer Science & Applications, KMV	Member

The Special Meeting – 10A started with a series of morning greetings to one another. Dr. Suman Khurana welcomed each member, extended her gratitude for their consent and time. The members were very appreciative about the rich legacy of women's empowerment and academic leadership at KMV that stands uniquely to deliver highly prestigious Programs that are not just relevant — but revolutionary. Dr. Suman Khurana conveyed that the institution has received AICTE Approval to start the MCA Program. The team has planned all curriculum keeping in view UGC's Guidelines and AICTE directives and Learning Outcomes-based Curriculum Framework, and very politely obtained the consent to start with the Agenda Item of Tenth Meeting (A) of BOS to discuss the schemes and syllabi of MCA Program in detail.

AGENDA

Item: Comp. Sc.10 (A): 2025: 1

To discuss the proposed syllabi of Master of Computer Applications under Credit based Continuous Evaluation Grading System for batch 2025-27.

PROCEEDINGS

A very healthy and productive discussion went on for almost 2 hours wherein worthy experts gave their valuable feedback. It was decided to revise the curriculum and present the same in the upcoming BOS, to be held on May 31st 2025.

So, the revised curriculum was presented and discussed in the 10th Meeting of Board of Studies as per Agenda Item **Comp. Sc. 10: 2025:2** .

Item: Comp. Sc. 10: 2025:2 in the Second Meeting of BOS held on May 31,2025

To discuss the proposed syllabi of following Post Graduate classes under Credit based Continuous Evaluation Grading System:

- Master of Computer Applications Semester I – IV for the Batch 2025-27 (BOS already conducted under 10-A Meeting).

(Annexure A-1)

Annexure A-1

**SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAMME
MASTER OF COMPUTER APPLICATIONS (MCA) 2025-27
SEMESTER-I**

S. No.	Course No.	Title	L	T	P	Cr	Marks
1	MCAL-101	Design and Analysis of Algorithm	4	0	0	4.0	100
2	MCAL-102	Web Technologies	4	0	0	4.0	100
3	MCAL-103	Data Science Foundation	4	0	0	4.0	100
4	MCAL-104	Probability and Statistical Techniques	4	0	0	4.0	100
5		General Elective – I	4	0	0	4.0	100
6	MCAP-108	Programming Lab based on Web Technologies	0	0	2	2.0	50
7	MCAP-109	Programming Lab based on Data Science	0	0	2	2.0	50
8	MCAB-110	Fundamentals of Computers* (Bridge Course)	2	0	0	2.0	50
9	MCAB-111	Programming in C* (Bridge Course)	2	0	0	2.0	50
		Total				24.0	600

***Not mandatory for all students, refer to MCA eligibility for this course.**

Options for Elective – I							
1	MCAL-105	Advanced Computer Graphics					
2	MCAL-106	Information Security					
3	MCAM-107	Skill oriented MOOCS*					

*Skill Oriented MOOCS courses can be explored on Swayam Portal and other websites offering MOOCS with at least 4 credits, otherwise Dept. will provide a list of available MOOCS Courses.

SEMESTER-II

S. No.	Course No.	Title	L	T	P	Cr	Marks
1.	MCAL-201	Full Stack Development	4	0	0	4.0	100
2.	MCA-L202	Advanced Database Management System	4	0	0	4.0	100
3.	MCAL-203	Machine Learning	4	0	0	4.0	100
4.	MCAL-204	Software Project Management	4	0	0	4.0	100
5.		General Elective – II	4	0	0	4.0	100
6.	MCAP-208	Programming Lab based on Advance Database Management System	0	0	2	2.0	50
7.	MCAL-209	Programming Lab based on Full Stack Development	0	0	2	2.0	50
8.	MCAL-210	Universal Human Values, Understanding Harmony (Value Added Course)	2	0	0	2.0	50
		Total	22		4	26.0	650

Options for Elective - II							
1	MCAL-205	Big Data Analytics and Business Intelligence					

2	MCAL-206	Theory of Computation					
3	MCAM-207	Skill oriented MOOCS					

*Skill Oriented MOOCS courses can be explored on Swayam Portal and other websites offering MOOCS with at least 4 credits, otherwise Dept. will provide a list of available MOOCS Courses.

SEMESTER-III

S. No.	Course No.	Title	L	T	P	Cr	Marks
1	MCAL-301	Advanced Programming Concepts	4	0	0	4.0	100
2	MCAL-302	Image Processing	4	0	0	4.0	100
3	MCAL-303	Deep Learning	4	0	0	4.0	100
4	MCAL-304	Optimization Techniques	4	0	0	4.0	100
5.		General Elective – III	4	0	0	4.0	100
6	MCAP-308	Capstone Project	0	0	4	4.0	100
7	MCAP-309	Programming Lab based on Advanced Programing Concepts	0	0	2	2.0	50
		Total	20	0	6	26.0	650

Options for Elective- III							
1	MCAL-305	Advance Computer Architecture					
2	MCAL-306	DevOps					
3	MCAM-307	Skill oriented MOOCS					

*Skill Oriented MOOCS Courses can be explored on Swayam Portal and other websites offering MOOCS with at least 4 credits, otherwise Dept. will provide a list of available MOOCS Courses.

SEMESTER-IV

S. No.	Course No.	Title	L	T	P	Cr	Marks
1	MCA-401	Industrial Training/ Dissertation. / Project	-	-	-	24	600
		Total	-	-	-	24	600
Grand Total of All Semesters						100	2500

Proceedings - Annexure A-1 - BOS Members were very appreciative. They conveyed about Master of Computer Applications – Meeting 10 A that It is both an honour and a privilege to be part of 10th (A) Board of Studies meeting - and more significantly - to witness the formal academic birth of the MCA program at Kanya Maha Vidyalaya, Jalandhar.

They conveyed that while approving the MCA syllabus, they are looking at this curriculum not as a static document, but as a living breathing academic contract - one that must respond to the needs of learners, the pulse of the industry, and the direction of national educational reforms. They were happy to see the addition of MOOCs and elective courses per semester and incorporating a course related to software project management. They were contented to know the refinement of PSOs/COs as per the Bloom's Taxonomy. So, they approved the syllabi as it aligned well with NEP 2020 - Holistic Learning, Industry relevant curriculum, Academic flexibility and future readiness, and they suggested some improvements that the department should consider - innovation and entrepreneurship, soft skills, research & publications and the feedback mechanism.