

SJCEM/MCA/ 027/ of April 2025

Date: 24/04/2025

Department of Master of Computer Application (MCA)

2nd Board of Studies (BoS) Meeting of Master of Computer Application (MCA) Department
conducted on 24th April 2024 (Thursday) at 12:30PM

Minutes of the Meeting

Agenda

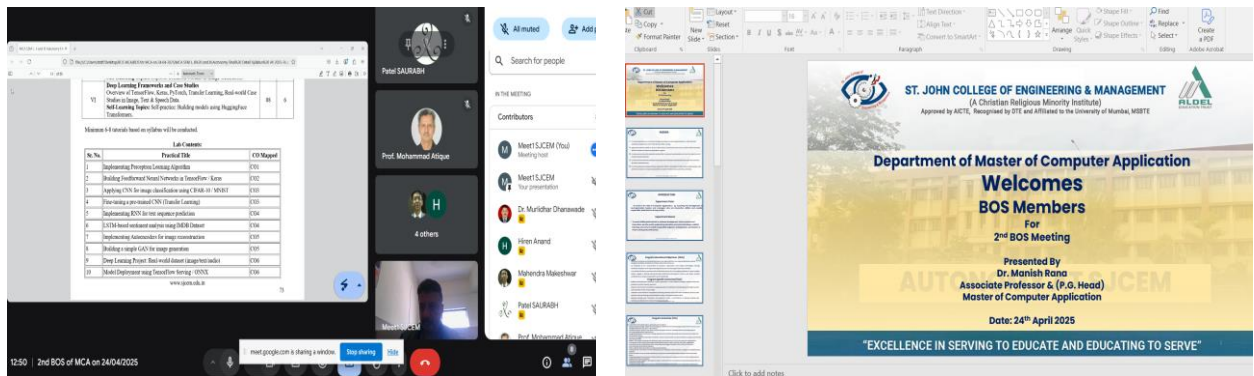
For approval

1. To approve the minutes of the meeting of 1st BOS held on 24th Dec 2025.
2. Approval of action taken report.
3. Discuss and review academic productivity in classrooms and laboratories to meet the requirements of outcome-based education
4. To discuss and recommend the academic productivity in teaching- learning process, project quality and semester conduct to meet the requirement of outcome based education (OBE).
5. To discuss and recommend the evaluation and assessment methods and finalization of a panel of Examiners for theory and lab courses for the even semester of A.Y. 2024-25

Following Members were present for BOS Meeting

Sr. No.	Name and Affiliation of BOS Members	Designation in BOS Committee	Mode of Presence in BOS Meeting
1.	Dr. Manish Rana, Associate Professor & HOD, Master of Computer Application(MCA) St. John College of Engineering and Management, Palghar	BOS Chairman	Offline
2.	Dr. Murlidhar Dhanawade. Director, Sterling Institute of management Studies, Nerul, Navi-Mumbai. MCA BoS Chairman, University of Mumbai.	VC Nominee, University of Mumbai	Online
3.	Dr. Mohammad Atique Professor & HOD, Department of Computer Science, Sant Gadge Amravati University, Amravati.	Subject Expert 01 Outside the parent University	Online
4.	Dr. Mahendra Makeswar Associate Professor & HOD, Department of Information Technology, Nagpur Institute of Technology, Nagpur	Subject Expert 02 Outside the parent University	Online

5.	Mr. Saurabh Patel Test Engineer, Ideate Labs, Andheri West.	Expert from Industry/corporate sector/allied areas	Online
6.	Mr. Hiren Anand Software Quality Analyst, eClinical Works, Ahmedabad	Alumni Member	Online
7.	Prof. Tejas Vijay Joshi HOD MCA, Finolex Academy of Management and Technology, Ratnagir	Experts from outside the Autonomous College	Online



Initially BoS Chairman Dr. Manish Rana welcomes all the members, and introduced all BOS Members and initiated the meeting. Dr. Manish Rana briefed the agenda of the 1st BoS meeting to all the members.

Agenda 1

- To approve the minutes of the meeting of 1st BOS held on 24th Dec 2025.

Resolution 1

In the meeting 1st BOS Minutes of the meeting were approved by all the members of BOS.

Agenda 2

- Approval of action taken report.

Resolution 2

The BOS members reviewed and approved action taken report Program.

Following are the suggestions and action taken

Sr. No	Suggestions	Action taken
1.	Semester should be of 13 weeks instead of 15 weeks	SJCCEM is capable of managing semester in 15 weeks.
2.	Lab experiments of subject Data Structures of Sem III should be implemented in C language	Incorporated.

Sr. No	Suggestions	Action taken
3.	Flexibility for teachers in deciding tutorials and lab experiment lists	Incorporated.
4.	Addition of new databases like 'R' in DBMS and various tools in Web Technologies	Incorporated.
5.	The no. of COs for all subjects should be uniform.	Incorporated.

The scheme is shown below for semester 1st & 3rd.

**Semester – I
SCHEME: SJCEMR–24**

Course Code	Vertical	Course Name	Contact Hrs.			Credit Allotted			Total Credits
			Th	Tut	Pr	Th	Tut	Pr	
24MCABSC101	BSC	Linear Algebra for Computer Applications	3	1	-	3	1	-	4
24MCAPCC101	PCC	Data Structures and Applications	3	-	2	3	-	1	4
24MCAPCC102	PCC	Fundamentals of Database Management Systems	3	-	2	3	-	1	4
24MCAPCC103	PCC	Modern Web Technologies and Frameworks	3	-	2	3	-	1	4
24MCAAEC101	AEC	Basic Communication Skills -I	2	1	-	2	1	-	3
24MCAECC101	ECC	Liberal Learning – Yoga and Meditation	-	-	2	-	-	1	1
Total			14	2	8	14	2	4	20

Course Code	Vertical	Course Name	Evaluation Scheme					Total
			IAE 1	IAE 2	ESE	CA	OR/P R	
24MCABSC101	BSC	Linear Algebra for Computer Applications	20	20	60	25	-	125
24MCAPCC101	PCC	Data Structures and Applications	20	20	60	25	25	150
24MCAPCC102	PCC	Fundamentals of Database Management Systems	20	20	60	25	25	150

24MCAPCC103	PCC	Modern Web Technologies and Frameworks	20	20	60	25	25	150
24MCAAEC101	AEC	Basic Communication Skills -I	20	20	60	25	-	125
24MCAECC101	ECC	Liberal Learning – Yoga and Meditation	-	-	-	25	-	25
Total			100	100	300	150	75	725

**Second Year
Semester – III
SCHEME: SJCEMR-24**

Course Code	Vertical	Course Name	Contact Hrs.			Credit Allotted			Total Credits
			Th	Tut	Pr	Th	Tut	Pr	
24MCAPCC301	PCC	Data Science using Python	3		2	3		1	4
24MCAPCC302	PCC	Software Architecture & Design Patterns	3	-	2	3	-	1	4
24MCAPEC301X	PEC	Program Elective-II	3	-	2	3	-	1	4
24MCAPEC302X	PEC	Program Elective-III	3	-	2	3	-	1	4
24MCAPRJ301	PRJ	Project-I	-	-	8	-	-	4	4
24MCAVEC301	VEC	Universal Human Values	2	1	-	2	1	-	3
Total			14	1	16	14	1	8	23

Course Code	Vertical	Course Name	Evaluation Scheme					Total
			IAE 1	IAE 2	ESE	CA	OR/P R	
24MCAPCC301	PCC	Data Science using Python	20	20	60	25	25	150
24MCAPCC302	PCC	Software Architecture & Design Patterns	20	20	60	25	25	150
24MCAPEC301X	PEC	Program Elective-II	20	20	60	25	25	150
24MCAPEC302X	PEC	Program Elective-III	20	20	60	25	25	150
24MCAPRJ301	PRJ	Project-I	-	-	-	100	50	150
24MCAVEC301	VEC	Universal Human Values	10	10	30	25	-	75
Total			90	90	270	200	125	825

PROGRAM ELECTIVES PROGRAM ELECTIVES

Sr. No.	Program	Program Elective I	Program Elective II	Program Elective III
1	Data Science	Machine Learning (24MCAPEC2011)	Deep Learning (24MCAPEC2012)	Data Visualization and Analytics (24MCAPEC2013)
2	Software Testing	Software Testing (24MCAPEC2014)	Quality Assurance (24MCAPEC2015)	Risk Analysis (24MCAPEC2016)
3	Design	Design Thinking** (24MCAPEC2017)	Human Machine Interaction (24MCAPEC2018)	User Experience Design (24MCAPEC2019)
4	Full Stack Development	DevOps (24MCAPEC2020)	React (24MCAPEC2021)	Springboot and Microservices (24MCAPEC2022)
5	Any new program approved by BoS			
Semester	PEC	Track 1	Track 2	Track 3
		Cloud Computing	Cyber Security	Web and App Development
III	Programme Elective I	Fundamentals of Cloud Computing and Architecture	Fundamental Concepts of Cyber Security	Internet Programming
IV	Programme Elective II	Cloud Administration	Cyber Security and Ethical Hacking -I	Web X.0
	Programme Elective III	Cloud Security	Security Compliances	Mobile Application Development and Progressive Web App

****24MCAPEC2017 of 4 credits will be offered with 2 credits for theory and 2 credits for laboratory.**

All the modified schemes and syllabus (Semester 1 to 3) are forwarded to academic council for approval.

Agenda 3

Discuss and review academic productivity in classrooms and laboratories to meet the requirements of outcome-based education

Resolution 3

Academic productivity in classroom and laboratory to meet the requirement of Outcome based Education is reviewed and confirmed

Following suggestions were given:

- a. Open Book Exams in addition to conventional assessment method.
- b. Practical exams conducted by industry experts.
- c. Mini-projects covering the entire syllabus.

Agenda 4

To discuss and recommend the academic productivity in teaching- learning process, project quality and semester conduct to meet the requirement of outcome based education (OBE).

Resolution 4

Academic productivity in classroom and laboratory to meet the requirement of Outcome based Education is discussed and recommended.

Agenda 5

To discuss and recommend the evaluation and assessment methods and finalization of a panel of Examiners for theory and lab courses for the even semester of A.Y. 2024-25

Resolution 5

Evaluation and assessment scheme is shown in the syllabus of respective subjects. Evaluation and Assessment methods was discussed and confirmed. Panel of Examiners for theory and lab courses was discussed and confirmed unanimously by all BOS members.

Evaluation and Assessment Scheme:

A. Internal Assessment Examination (IAE):

Assessment consists of two class tests, each 20 marks. The IAE 1 will cover any three Course Outcomes (COs) and IAE 2 will cover the remaining three Course Outcomes (COs). Each test will have a duration of one hour.

B. End Semester Theory Examination (ESE):

End Semester exam of 60 Marks will be conducted based on the entire syllabus.

C. Continuous Assessment (CA) :

Continuous Assessment should consist of the following

Experiments / Tutorials (8 to 10): 10 marks (All COs / LOs should be covered)

Attendance (Theory & Practical): 05 marks

Teacher Assessment Examination (TAE): 10 Marks

List of Teacher Assessment Examination (TAE):

1. Assignment
2. Case Study
3. Debate
4. Solution for Social Problems
5. Field Visit
6. Group Project

7. Flip Classroom
8. Topic Review
9. Quiz
10. Mind Mapping
11. Any other

Note: Number of activities to be conducted under TAE would be as per the subject need.

D. Oral & Practical Exam

Based on the entire syllabus, oral (10 marks) & practical/implementation (15 marks) examination will be conducted.

Examiner Panel

Sem: II Div:A Date: 01/02/2025

Course Code	Vertical	Course Name	Examiner 1	Examiner 2	Examiner 3
24MCABSC201	BSC	Probability and Statistics	Ms. Dipali Tupe, SJCEM 9960903623,dipalit@sjcem.edu.in	Dr. Manish Rana, SJCEM 9869230183, manishr@sjcem.edu.in	Dr. Sunny Sall, 8976226221,sunnys@sjcem.edu.in
24MCAPCC201	PCC	Java Programming	Mr. Ashish Khot, SJCEM 9730323890, ashishkhot@sjcem.edu.in	Dr. Manish Rana, SJCEM 9869230183, manishr@sjcem.edu.in	Dr. Amruta Mhatre, 8108315449, amrutam@sjcem.edu.in
24MCAPCC202	PCC	Design and Analysis of Algorithms	Mr. Ashish Khot, SJCEM 9730323890, ashishkhot@sjcem.edu.in	Dr. Manish Rana, SJCEM 9869230183, manishr@sjcem.edu.in	Dr. Amruta Mhatre, 8108315449, amrutam@sjcem.edu.in
24MCAPCC203	PCC	Process Automation	Mr. Ashish Khot, SJCEM 9730323890, ashishkhot@sjcem.edu.in	Dr. Manish Rana, SJCEM 9869230183, manishr@sjcem.edu.in	Dr. Amruta Mhatre, 8108315449, amrutam@sjcem.edu.in
24MCAPEC2011	PEC	Program Elective-I (Machine Learning)	Dr. Manish Rana, SJCEM 9869230183, manishr@sjcem.edu.in	Mr. Ashish Khot, SJCEM 9730323890, ashishkhot@sjcem.edu.in	Dr. Sunny Sall, 8976226221,sunnys@sjcem.edu.in

Meeting was ended with vote of thanks proposed by Dr, Manish Rana.

BOS Chairman

Master Computer Application (MCA)

Department