

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY



DEPARTMENT OF MCA

Department Report

(2025-26 Odd Semester)

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FACULTY CONTRIBUTIONS

FDP/STTP/Workshop/Orientation Activities

During the 2025-26 odd semester, faculty members of the MCA Department actively participated in various Faculty Development Programs (FDP), Short-Term Training Programs (STTP), Workshops, and Orientations to enhance their professional expertise and stay updated with emerging technologies.

Faculty Development Programs - Detailed List with Dates:

Sr.	Faculty Name	Course/Activity	Type	Mode	Organization	From	To
1	Dr. Dhanamma Jagli	Web of Science Certificate Program	Workshop	Attended	Web of Science	07-09-25	07-09-25
2	Dr. Dhanamma Jagli	Quantum Computing	FDP	Attended	Ramrao Adik Institute/KIIT University	11-08-25	18-08-25
3	Dr. Dhanamma Jagli	Generative AI	FDP	Attended	Intel & CSE Department	18-08-25	22-08-25
4	Dr. Dhanamma Jagli	Design Thinking for Educators: Human Centred Innovation	FDP	Attended	MET ICS	14-07-25	18-07-25
5	Dr. Dhanamma Jagli	Art of Writing Research Articles with AI Integration	Workshop	Attended	Asiatic Society Kolkata & IISRR	04-09-25	04-09-25
6	Dr. Dhanamma Jagli	Blockchain and ML Algorithms in Healthcare	FDP	Conducted	Visvesvaraya College of Engineering	18-08-25	23-08-25
7	Dr. Ramesh Solanki	IoT Data Analysis with Practical Approach	FDP	Attended	Ayya Nadar Janaki Ammal College	22-09-25	27-09-25
8	Dr. Ramesh Solanki	Next-Gen Technologies: Generative AI & Quantum Computing	FDP	Attended	Sadhu Vaswani Institute/CV Raman University	15-09-25	20-09-25

9	Dr. Ramesh Solanki	Blockchain and ML Algorithms in Healthcare	FDP	Attended	Visvesvaraya College of Engineering	18-08-25	23-08-25
10	Dr. Ramesh Solanki	Quantum Computing	FDP	Attended	Ramrao Adik Institute/KIIT University	11-08-25	18-08-25
11	Dr. Ramesh Solanki	Innovations Using Internet of Things: Concepts to Real-World	Workshop	Conducted	VESIT, MCA Department	14-07-25	18-07-25
12	Dr. Ramesh Solanki	Generative AI: Use Cases in Various Businesses	FDP	Attended	TSEC	30-06-25	05-07-25
13	Mr. Sunny Nahar	IoT Data Analysis with Practical Approach	FDP	Attended	Ayya Nadar Janaki Ammal College	22-09-25	27-09-25
14	Mr. Sunny Nahar	Augmented Reality/Virtual Reality (AR/VR)	FDP	Attended	Dr. Vithalrao Vikhe Patil College of Engineering	25-08-25	31-08-25
15	Mr. Sunny Nahar	Blockchain and ML Algorithms in Healthcare	FDP	Attended	Visvesvaraya College of Engineering	18-08-25	23-08-25
16	Mr. Sunny Nahar	Quantum Computing	FDP	Attended	Ramrao Adik Institute/KIIT University	11-08-25	18-08-25
17	Mr. Sunny Nahar	Innovations Using Internet of Things: Concepts to Real-World	Workshop	Conducted	VESIT, MCA Department	14-07-25	18-07-25
18	Mr. Sunny Nahar	GEN-AGENT: Emerging Trends in Generative & Agentic AI	FDP	Attended	VESIT	14-07-25	19-07-25
19	Mr. Sunny Nahar	Generative AI: Use Cases in Various Businesses	FDP	Attended	TSEC	30-06-25	05-07-25

20	Dr. Meenakshi Garg	IoT Data Analysis with Practical Approach	FDP	Attended	Ayya Nadar Janaki Ammal College	22-09-25	27-09-25
21	Dr. Meenakshi Garg	Generative AI: Introduction and Applications	Workshop	Attended	IBM & Coursera	01-10-25	01-10-25
22	Dr. Meenakshi Garg	Augmented Reality and Virtual Reality	FDP	Attended	Dr. Vithalrao Vikhe Patil College of Engineering	25-08-25	31-08-25

Table 1: Faculty Development Programs - 2025-26 Odd Semester

Research Publications and Conference Participation

Dr. Meenakshi Garg

- Published research paper: "Comparative Evaluation of Hyperparameter Tuning Strategies in Apache Spark MLlib"
- Co-authors: Shreyash Haram, Yash Mirashi
- Published in: IJSREM (International Journal of Scientific Research and Engineering Management)
- Publication Date: July 2025
- Volume 9, Issue 7
- Status: Peer Reviewed, International Publication

Invited Lectures and Academic Sessions

Dr. Dhanamma Jagli

1. **Elsevier Journal Reviewer** - International Reviewer for multiple prestigious journals:
 - Pattern Recognition (Elsevier)
 - Engineering Applications of Artificial Intelligence (Elsevier)
 - Journal of Network and Computer Applications (Elsevier)
2. **4th International Conference ASCIS 2025** - Participated and contributed at Marwadi University (September 11-13, 2025)
3. **Insights into Research Methodology and Publication Ethics** - FDP at TSEC (August 18-23, 2025) as faculty for ATAL program

Additional Academic Recognition:

- **Dr. Dhanamma Jagli** nominated as Subject Expert by MU Vice Chancellor for Various Examination Duties (September 2025)

Add-on Course:

Conducted By	Course description	Organized/Conducted/attended	Date From (mm/dd/yy)	Date to (mm/dd/yy)
Dr. Ramesh K Solanki Mr. Sunny Nahar Mrs. Vaishali Gatty	"Innovations Using Internet of Things: From Concepts to Real-World Projects"	Workshop Organized & Conducted	7-14-25	7-18-25

INSTITUTION'S INNOVATION COUNCIL (IIC)

Prakalp Pradarshanam – 2025 (Demo Day)

Date: 10th October 2025

The Department of MCA, in association with the **Institution's Innovation Council (IIC)** and **Internal Quality Assurance Cell (IQAC)** of VESIT, successfully organized "**Prakalp Pradarshanam – 2025 (Demo Day)**" on **10th October 2025** in Labs No. 110 and 111.

This flagship event served as a dynamic platform for MCA students to **present their innovative and technology-driven projects**, showcasing creativity, teamwork, and technical excellence. The objective was to **foster innovation, critical thinking, and problem-solving**, encouraging students to translate their ideas into impactful, real-world solutions.

[Prakalp pradarshanam Image 1:](#)



Projects spanned diverse domains including **Artificial Intelligence, automation systems, gamification, and blockchain technology**, reflecting the multidisciplinary spirit of modern computing. A total of **203 participants (195 students and 8 faculty members)** attended the event.

Expert panel members provided valuable feedback to help teams enhance their solutions' practicality and efficiency. The showcase also promoted **collaborative learning** between FYMCA and SYMCA students, reinforcing a strong **culture of mentorship and innovation** within the department.

Competition Results:

□ **Winners:**

- *Motion Arcade: Augmented Reality Game* – Kartik Ashok Hawelikar, Sam Alex, Shubham Bolave (24A05)
- *M(etro)-Indicator* – Swayam Ghatge, Sharan Lad, Omkar Garud (24A10)



Image: Winner Certificate Prakalp Pradarshanam

☐ **1st Runner-up:**

- *Kanban Board* – Anmol Keswani, Roshni Khatri, Khushi Krishnani (24A08)
- *Decentralized Voting System using Blockchain* – Kartik Adlakhia, Hitesh Kalhane, Prajwal Kore (24B15)

Managing and Protecting IPRs

Date: 25th August 2025

The Department of MCA, in collaboration with **IIC** and **IQAC**, conducted an enlightening session on **“Managing and Protecting IPRs”**, facilitated by **Prof. Sunny Nahar**, Department of MCA, VESIT.

The session emphasized the **strategic importance of Intellectual Property Rights (IPR)** in academia and entrepreneurship, covering **patents, copyrights, trademarks, and industrial designs**. Participants learned about aligning innovation efforts with **national and international IPR frameworks** and explored practical pathways for **commercialization and protection of intellectual assets**.



Image: Managing and Protecting IPRs

With **108 participants (102 students and 6 faculty members)**, the workshop successfully strengthened awareness about safeguarding creative and research outputs, ensuring innovation thrives responsibly within legal and ethical boundaries.

Prototype to Profit: Achieving Value Proposition & Business Fit

Date: 21st August 2025

The Department of MCA, in association with **IIC** and **IQAC**, organized a transformative session titled **“Prototype to Profit: Achieving Value Proposition & Business Fit”**, led by **Mr. Vaishakh Sajeewan, Founder, Frelo**.

The session guided participants through the entrepreneurial journey from idea validation to achieving business-market fit. Key topics included **prototype testing, defining unique value propositions, developing scalable business models, investor readiness, and market positioning strategies**.



Image: Prototype to Profit: Achieving Value Proposition & Business

The session saw **113 attendees (107 students and 6 faculty members)** who gained practical insights into converting prototypes into viable ventures and crafting compelling business pitches. The workshop empowered students to think like entrepreneurs—**innovative, market-aware, and investment-ready**.

Workshop on Raising Capital and Managing Finance for Startups

Date: 21st August 2025

Under the aegis of **IIC** and **IQAC**, the Department of MCA hosted an interactive and insightful workshop on **“Raising Capital and Managing Finance for Startups”**, conducted by **Mr. Shabbir Ahmed Shaikh, Founder & CEO, Printifile Innovations Pvt. Ltd. & Supplybox Technologies LLP**.

The workshop focused on equipping future entrepreneurs with **financial literacy and strategic skills** essential for managing a startup. Topics included **budgeting, fundraising techniques, risk management, investor communication, and long-term financial sustainability**.



Image: RAISING CAPITAL AND MANAGING FINANCE FOR STARTUPS

The session received **excellent feedback** from the **94 participants (87 students and 7 faculty members)** for its practical, hands-on approach. It provided a deep understanding of how to navigate the complex financial landscape of modern startups while maintaining operational stability and investor confidence.

Workshop on Innovations Using Internet of Things (IoT): From Concepts to Real-World Projects

Date: 14th–18th July 2025

The Department of MCA organized a **five-day hands-on workshop** titled “**Innovations Using Internet of Things: From Concepts to Real-World Projects**” in collaboration with IIC and IQAC. The workshop was conducted by **Dr. Ramesh K. Solanki, Mr. Sunny Nahar, and Mrs. Vaishali Gatty**, combining academic rigor with practical exposure.

The course introduced participants to **IoT architecture, device connectivity, Raspberry Pi and Arduino programming, and ESP32 project development**, integrating both theory and application through engaging demonstrations and real-world case studies.

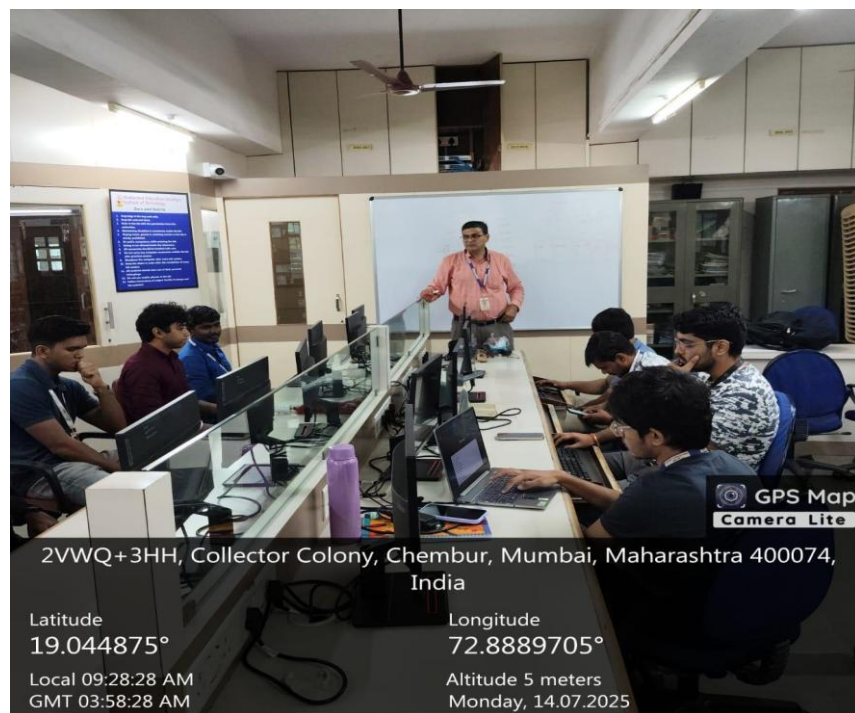


Image: Demonstration of different boards by instructors

With **34 participants (23 students and 11 faculty members)**, the workshop enabled learners to build IoT prototypes from scratch, fostering a deeper understanding of smart technologies and their potential impact across industries.

Overall Impact

The Department of MCA, through these impactful initiatives under the **Institution's Innovation Council (IIC)** framework, continues to strengthen its culture of **innovation, research, and entrepreneurship**.

Each activity — from startup-focused workshops to tech-driven showcases — has **empowered students to ideate, innovate, and implement solutions** that address contemporary challenges. These programs have not only enhanced technical proficiency and business acumen but have also instilled confidence, teamwork, and leadership qualities among budding technocrats and innovators of VESIT.

MCA IIC Induction 2025

Date: September 2, 2025

Duration: 2 Hours

Venue: Classroom 114

Participants: 82 (80 Students + 2 Faculty)

About the Program:

The FYMCA IIC Induction Program at VESIT introduces first-year MCA students to the Institution's Innovation Council and its initiatives. The program familiarized students with opportunities in

innovation, entrepreneurship, and idea-based activities, helping them understand how to participate in and benefit from VESIT's innovation ecosystem.

Objectives:

- **Innovation Awareness:** Introduce students to the IIC and its role in promoting creative and innovative thinking.
- **Entrepreneurial Mindset:** Encourage students to explore opportunities in entrepreneurship, idea development, and startup culture.
- **Skill Orientation:** Motivate students to build essential technical, analytical, and problem-solving skills through participation in IIC activities.
- **Active Engagement:** Inspire students to get involved in workshops, events, and initiatives that enhance learning and foster collaborative growth.

Key Outcomes:

- Participants gained clearer understanding of the IIC framework, innovation processes, and opportunities for skill and idea development.
- Students received valuable guidance from faculty and IIC members on refining ideas and approaching innovation more effectively.
- Insights shared by the panel built awareness about industry expectations and the importance of creative problem-solving.
- The event strengthened collaboration between FYMCA and SYMCA students, fostering an innovative and supportive community.



Convenor and Coordinator:

- **Convenor:** Dr. (Mrs.) Dhanamma Jagli, DHOD
- **Coordinator:** Mr. Sunny Nahar, Assistant Professor

- **Star Performer (Faculty):** Prof. Sunny Nahar
 - **Star Performer (Student):** Kashmira Bhingare (FY MCA 2025-26)
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STUDENT PORTFOLIO

Oracle Academy Certification Program (2025-26)

The Department of MCA continues its partnership with Oracle Academy to provide students with industry-recognized certification programs in Java, Database Management, and Artificial Intelligence.



Program Overview:

Oracle Academy advances computer science education globally with partnerships in nearly 100 countries. The program supports thousands of educational institutions and equips students with skills needed for modern technology-driven careers.

Resources Available:

- Self-study courses in Java development environments (Alice and Greenfoot)
- Data Science Bootcamps and video-based lecture series
- Oracle Academy Ask the Oracle Experts Interactive webcast series
- Access to Oracle Technology Network for personal learning
- Free Oracle Certification courses with 50% discount on practice exams

Free Certification Courses Offered:

1. Database Foundations (90 Hours)
2. Database Design and Programming with SQL (90 Hours)
3. Programming with PL/SQL (180 Hours)

4. Oracle Application Express (APEX) Development Foundations (90 Hours)
5. Java Fundamentals (90 Hours)
6. Java Foundations (90 Hours)
7. Java Programming (90 Hours)
8. Artificial Intelligence with Machine Learning in Java (40 Hours)
9. Java Workshops (8-16 Hours)
10. Database Workshop: Solve It with SQL (8 Hours)

Sr. No	Fname	LName	Class	Course Enrolled
1	Aruna	Bhosale	MCA2B	Database Programming with SQL(90 hrs)
2	Anudhi	Mishra	MCA2A	Java Programming (90 hrs), Database Programming with SQL(90 hrs)
3	Dimple	Parmar	MCA2A	Java Programming (90 hrs), Database Programming with SQL(90 hrs)
4	Vidula	Pore	MCA2A	Java Programming (90 hrs), Database Programming with SQL(90 hrs)
5	Obaidur	Rahman	MCA2B	Database Programming with PLSQL(180 hrs), Database Programming with SQL(90 hrs)
6	Shwetank	Sharma	MCA2B	Database Programming with SQL(90 hrs), Oracle Academy Java for AP CSA(180 Hours)
7	Manasvi	Shetty	MCA2A	Java Programming (90 hrs), Database Programming with SQL(90 hrs)
8	Sanika	Shinde	MCA2A	Java Programming (90 hrs), Database Programming with SQL(90 hrs)
9	Satyam	Singh	MCA2A	Application Development Foundations(90 hrs), Database Programming with SQL(90 hrs)
10	Aryan	Yadav	MCA2B	Java Foundations (90 hrs), Database Programming with SQL(90 hrs)

MCA Oracle Academy Final exam (1/11/2025)

S. No.	Email Address	Student Name	Class/Sem	Free Courses(Choose any two)	Marks
1	2024.aruna.bhosale@ves.ac.in	Bhosale Aruna Siddheshwar	MCA2B	Database Programming with SQL (90 hrs)	90
2	2024.satyam.singh@ves.ac.in	Satyam Udaybhan Singh	MCA2A	Database Programming with SQL (90 hrs)	94
3	2024.shwetank.sharma@ves.ac.in	SHWETANK MAHESHKUMAR SHARMA	MCA2B	Database Programming with SQL (90 hrs)	86
4	2024.anudhi.mishra@ves.ac.in	Anudhi Mishra	MCA2A	Java Programming (90 hrs), Database Programming with SQL (90 hrs)	74, 82
5	2024.manasvi.shetty@ves.ac.in	Manasvi Shetty	MCA2A	Java Programming (90 hrs), Database Programming with SQL (90 hrs)	86, 92
6	2024.vidula.pore@ves.ac.in	Vidula Pore	MCA2A	Java Programming (90 hrs), Database Programming with SQL (90 hrs)	88,82

Organizing Team:

Patron:

- Dr. Mrs. J M Nair, Principal VESIT

- Dr. Mrs. M. Vijaylakhshmi, Vice Principal VESIT

Departmental Oracle Certification Convenor:

- Mr. Shiv Kumar Goel, MCA

VESIT-Oracle Incharge:

- Dr. (Mrs.) Gresha S Bhatia
- Mrs. Ruchi Rautela

Departmental Coordinator:

- Monali Rajput, MCA

Lab Coordinator:

- Kalpana Zemse, MCA

Student Enrollments (MCA 2025-26):

A total of 10 students enrolled in various Oracle certification courses:

1. **Aruna Bhosale** - Database Programming with SQL
2. **Anudhi Mishra** - Java Programming, Database Programming with SQL
3. **Dimple Parmar** - Java Programming, Database Programming with SQL
4. **Vidula Pore** - Java Programming, Database Programming with SQL
5. **Obaidur Rahman** - Database Programming with PL/SQL, Database Programming with SQL
6. **Shwetank Sharma** - Database Programming with SQL, Oracle Academy Java for AP CSA
7. **Manasvi Shetty** - Java Programming, Database Programming with SQL
8. **Sanika Shinde** - Java Programming, Database Programming with SQL
9. **Satyam Singh** - Application Development Foundations, Database Programming with SQL
10. **Aryan Yadav** - Java Foundations, Database Programming with SQL

Exam Results (November 1, 2025):

Serial	Student Name	Marks	Courses
1	Bhosale Aruna Siddheshwar	90	Database Programming with SQL
2	Satyam Udaybhan Singh	94	Database Programming with SQL
3	SHWETANK MAHESHKUMAR SHARMA	86	Database Programming with SQL
4	Anudhi Mishra	74, 82	Java Programming, Database Programming with SQL
5	Manasvi Shetty	86, 92	Java Programming, Database Programming with SQL

6	Vidula Pore	88, 82	Java Programming, Database Programming with SQL
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Notable Achievements:

- Excellent performance in Oracle certification examinations with scores ranging from 74% to 94%
- Strong participation from both first and second-year MCA students
- Foundation laid for career advancement in Java and Database technologies

CULTURAL ACTIVITIES

Prarambh 2025 - Fresher's Celebration

Date: October 4, 2025

Time: 11:00 AM to 4:00 PM

Venue: Amphitheatre, VESIT

Theme: Glitz and Glam

Inauguration:



Faculty Inaugurators:

- Dr. ShivKumar Goel, Head of Department (MCA)
- Dr. Dhanamma Jagli, Deputy Head of Department (MCA)

Event Highlights:

Opening Ceremony:

The magnificent day commenced with a sacred lamp lighting ceremony conducted by Dr. Shivkumar Goel and Dr. Dhanamma Jagli. The HOD delivered a powerful speech warmly welcoming freshers and highlighting the exciting opportunities awaiting them in their academic journey at VESIT.

Dance Performances:

The energy soared as FYMCA students set the stage ablaze with breathtaking dance performances:

- Girls Dance Performance (Division A)
- Boys Dance Performance (Division A)
- Girls & Boys Group Dance Performance (Division B)

All performances perfectly embodied the Glitz and Glam theme with dazzling moves and dynamic choreography, creating one of the most memorable highlights of the event.

**Freshers' Games:**

Engaging games were conducted throughout the event, maintaining audience excitement:

- **Musical Chairs:** Won by Ujwal Pingale
- **Chair Rush Challenge:** Won by Hital Wadhwa

These games encouraged enthusiastic participation and added excitement to the celebrations.



Mr. and Miss Freshers Contest:

Through thrilling rounds, freshers showcased their charisma and talent:

- **Mr. Freshers 2025:** Rudransh Gupta
- **Miss Freshers 2025:** Shyama Chawla



Senior-Junior Bonding:

SYMCA students delivered vibrant dance performances, celebrating unity and welcoming their junior batch members.

DJ and Dance Floor:

The evening concluded with an exhilarating DJ session featuring:

- Pulsating beats and dazzling lights
- High-energy party atmosphere
- Freshers celebrating in true Glitz and Glam style
- Dancing throughout the night with unforgettable memories

Significance:

Prarambh 2025 was a resounding success, setting the perfect tone for freshers' academic journey at VESIT. The event created lasting memories of glamour, joy, and excitement, marking an unforgettable beginning to what promises to be an incredible college experience.

SPORTS ACTIVITIES

Jr. VFL 2025

Date: October 25-26, 2025

Faculty In-Charge: Mr. Ramesh Solanki



Participants (FYMCA):

Girls:

- Kashmira Bhingare
- Hital Wadhwa
- Krutika Jumare
- Roshni Aga
- Sibani Podili
- Chetna Ranglani
- Vanshi Gatti
- Ishwari Shahane

Boys:

- Vansh Pitale
- Rahul Bhagwat
- Rushikesh Yadav
- Aziz Zoomkhawala
- Jeet Patil
- Sundaram Yadav
- Mohit Jain
- Subramanian Thirumalainambi

Event Outcomes:

The Jr. VFL held in October 2025 proved to be a successful and enriching experience for FYMCA students. The girls demonstrated enthusiastic participation, while the boys achieved a semi-final position, reflecting the department's growing involvement in sports. With continued practice and support, FYMCA can aim for even stronger performances in upcoming editions of VFL.



Indoor Sphurti 2025

Duration:

- FYMCA: October 4-7, 2025
- SYMCA: October 1-9, 2025

Faculty In-Charge: Mr. Ramesh Solanki

Events Conducted:

1. Chess (Boys and Girls)
2. Carrom (Singles - Boys and Girls, Mixed Doubles)
3. Darts (Boys and Girls)
4. Table Tennis (Boys and Girls)
5. Badminton (Boys and Girls)
6. Cricket (Boys)

FYMCA Participants (26 Total):

Chess:

- Boys: Ankit Gawade, Jaspreet Singh Chalotra, Shivam Chauhan
- Girls: Shreya Kshemkalyani, Prachi Mittal, Tanvi Naik

Carrom:

- Boys: Jaspreet, Harsh Joshi, Divyesh Trivedi
- Girls: Prachi Mittal, Kashmira Bhingare, Krutika Jumare

Darts:

- Boys: Divyesh Trivedi, Rushikesh Yadav, Ayush Baware
- Girls: Kashmira Bhingare, Prachi Mittal, Krutika Jumare

Table Tennis:

- Boys: Varun Nair
- Girls: Shreya Kshemkalyani

Badminton:

- Boys: Jaspreet Singh Chalotra
- Girls: Prachi Mittal

SYMCA Participants (10 Total):

Chess: Harshal Bhosle, Abhishek Mishra, Aditya More

Darts: Shwetank Sharma, Om Rasal, Swaraj Shid

Table Tennis: Harshal Bhosle (Boys), Shravani Sakalkale (Girls)

Cricket: Om Rasal, Shwetank Sharma, Harshal Bhosle, Prajwal Kore, Gudimitla AnkaBabu, Sayyed Taqi

Winners and Achievements:

FYMCA Achievements:

- **Winners:** Carrom (Single Girls)
- **Runners-Up:** Table Tennis - Shreya Kshemkalyani

Summary:

Indoor Sphurtti 2025 was successfully conducted with active participation across all indoor sporting events. The tournament highlighted the competitive spirit of students and strengthened unity within the MCA community. FYMCA's victories in Carrom and Runner-Up title in Table Tennis reflect their growing interest and capability in indoor sports, setting a strong foundation for future events.