

ABOUT US

M S Ramaiah College of Arts, Science and Commerce-Autonomous is committed to fostering community engagement and holistic education.

As part of our extension activities, we intend to organize an interactive and educational program for school children. Our students and faculty will actively participate in guiding and mentoring the children, ensuring a fun and meaningful learning experience.

This extension activity aligns with our mission of social responsibility and knowledge-sharing, contributing to the overall development of young minds.



Craft workshops

Quiz

Hands on Experiments

Word Puzzle

"Let's improve the creative process!"



ABOUT THE PROGRAM

- Providing school students with new insights and learning experiences beyond their curriculum.
- Conducting experiments, workshops, and fun activities to make learning more engaging.

ADVISORY COMMITTEE

Dr. Pushpa H,
Principal, MSRCASC
Prof. Jayarama B S
Vice Principal, MSRCASC
Dr. Channarayappa
Professor and Head Research and Development, MSRCASC
Dr. J. Savitha
Professor and Research Advisor, MSRCASC

Coordinators

Mrs. Soumya S Shanbhag
Dr. Tejaswini H K



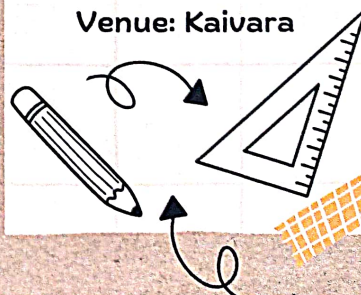
Department of Microbiology
in Association with
IQAC & NSS

Organizes

ಚೇತನ CREATIVE WORKSHOP

Date: 4th March,
2025

Venue: Kaivara



DEPARTMENT OF MICROBIOLOGY

REPORT ON

OUTREACH ACTIVITY-CHETHANA

Title: Outreach Activity-Chethana

Date: 4th March 2025

Venue: Government School-Kaivara, Dist. Chikkaballapura, Bangalore.

Participants: 82 Students of Government School from 4th to 7th Standard

Volunteers: 15 Students of BSc II Semester.

Event Coordinators:

1. Mrs. Soumya S Shanbhag
2. Dr. Tejaswini H K

Objective:

- To introduce school students (4th to 7th standard) to the fascinating world of microbiology through interactive and engaging sessions.
- The event aimed to spark curiosity about microorganisms, their role in daily life, and basic laboratory techniques, fostering scientific temperament among young minds.

The Microbiology Department of M S Ramaiah College of Arts, Science and Commerce-Autonomous organized Chethana, an educational outreach activity designed for school students from 4th to 7th standard on 4th March 2025. The event aimed to create awareness about microbiology through hands-on experiments, interactive demonstrations, and fun learning activities.

The activities conducted for school children were,

1. Demonstration of Grams Staining,
2. Demonstration of Bacterial Motility,
3. Effect of disinfectants and importance of washing hands to the students.
4. Science quiz and
5. Science word puzzle



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The events started on 4th March 2025, at 8:30am. All the volunteers and faculty members started to go to Kaivara which is 75km from Bangalore. All of them reached Kaivara Government school by 10:30am where School Head Mistress welcomed all the volunteers and faculty members. The activities were divided among the students.



Volunteers were divided into 4 groups, one group started demonstration of Motility, Gram staining and Effect of disinfectants and importance of washing hands to the students of 7th Standard. Students observed bacterial movement using the technique under a microscope. The concept of **motile and non-**

motile bacteria was explained, highlighting the role of flagella in bacterial movement. A step-by-step demonstration of **Gram staining** helped students differentiate between **Gram-positive and Gram-negative bacteria**. They observed stained bacterial slides under the microscope, gaining insights into cell wall structures and their significance. Also, students showed keen interest in performing these experiments and performed the experiments with



volunteers and faculty members. Students explored the effectiveness of various **household disinfectants** (Dettol, alcohol, phenol) using the agar media and comparison of the plates already incubated with thumb impression with and without use of disinfectant. They observed the growth of bacteria on the region where thumb impression was taken

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Principal



without washing the thumb with disinfectant, they also observed the reduction in the no. of bacteria in thumb impression where thumb was cleaned with disinfectant.

The science quiz was conducted for 6th standard students- This interactive **science quiz** tested students' knowledge of science and hygiene. The fun-filled session included multiple-choice questions, rapid-fire rounds, and small prizes for winners, encouraging

enthusiastic participation. All the students of 6th standard participated actively and enjoyed the quiz session.



As part of the **Chethana Initiative**, the volunteers organized a **Crossword Activity** for 5th standard students. The activity aimed to make learning basic science fun and engaging while reinforcing key scientific concepts through an interactive puzzle-solving session. A **custom-designed crossword puzzle** with science terms was provided. Students worked **individually** to solve the puzzle. Clues were given in the form of simple definitions or scientific hints. Faculty members and student volunteers assisted in guiding students through the activity. Winners were given the prizes to motivate these students. The crossword format made learning **interactive and enjoyable**.

For 4th standard students volunteers played fun games and dance sessions. **Fun Games and Dance Session** for small children aimed to create an engaging and joyful learning environment, combining **science-themed games and energetic dance activities** to make the session both educational and entertaining. The children



were **highly energetic and enthusiastic** throughout the session. The combination of movement and learning helped them **understand science concepts playfully**.

The dance activities promoted **physical activity and teamwork**, making the session lively and interactive.

Outcome:

- The event successfully introduced microbiology and science concepts in a fun and engaging way.
- Students expressed keen interest in laboratory techniques and microbial life.
- Teachers appreciated the interactive learning approach.

Conclusion:

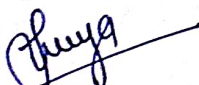
The Chethana microbiology activity was a **highly interactive and educational event**, sparking scientific curiosity in young students. Through hands-on experiments and engaging activities, students gained a **practical understanding of microbiology**, making learning an **exciting experience**.




Faculty Coordinators:

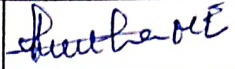
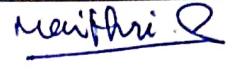
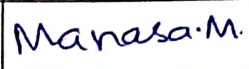
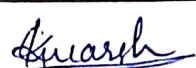
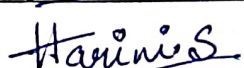
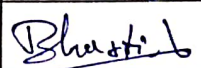
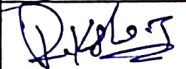
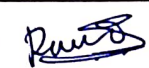
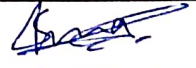
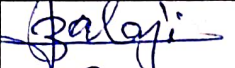



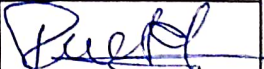

1. Mrs. Soumya S Shanbhag


2. Dr. Tejaswini H K


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List of Student Volunteers

Sl. No.	Name of the Student	Registration No.	Class	Signature
1	Amrutha M E	U18MB24S0131	II SEM SEC A	
2	Maithri S	U18MB24S0386	II SEM SEC C	
3	Manasa M	U18MB24S0202	II SEM SEC A	
4	G K Varsha	U18MB24S0351	II SEM SEC A	
5	Harini S	U18MB24S0113	II SEM SEC A	
6	Bharathi V	U18MB24S0034	II SEM SEC A	
7	Rikisha J	U18MB24S0129	II SEM SEC B	
8	Rachana S	U18MB24S0038	II SEM SEC B	
9	Smaran K S	U18MB24S0042	II SEM SEC C	
10	Balaji Gowda	U18MB24S0048	II SEM SEC C	
11	Shruthi K H	U18MB24S0183	II SEM SEC C	
12	Sanchitha N	U18MB24S0078	II SEM SEC C	
13	Sandhya Guru	U18MB24S0077	II SEM SEC C	
14	Deeksha M	U18MB24S0371	II SEM SEC C	
15	Lekhana C	U18MB24S0080	II SEM SEC C	


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