

REF: MSRCASC/MB/2024-2025/

Date: 17.02.2025

CIRCULAR

DEPARTMENT OF SCIENCES



National Science Day 2025: Theme "Science Shaping Tomorrow"

This is to inform all the students of M. S. Ramaiah College of Arts, Science and Commerce-Autonomous that Department of Sciences under DBT Star College Scheme is organizing a "National Science Day 2025 on the theme of "Science Shaping Tomorrow" on 27th and 28th February 2025. Under this all the departments are organizing activities for the students. These activities will help in bridging the gap between theoretical knowledge and practical application and give students a chance to brainstorm and apply creative solutions to real-world problems. Details of the event and brochures are attached herewith for your reference.

The registration is open for all the students of any stream. We request the students to grab the opportunity and actively participate in the events.

All the prize winners will receive attractive cash prizes.


Principal 19/2/25

Sl. No.	Name of the Department	Activity	Time	Venue	Coordinators	Registration Link
1	Department of Chemistry & Biochemistry	Collage Making Theme: Millets: The Smart Choice for a Healthy Life”	11:00am to 12:00pm	5 th Floor	Ms. Tanisha Ms. Jyothi Ms. Vinutha Dr. Pavithra Dr. Tejaswini Ms. Fathima	
2	Department of Computer Science	Documentary and Video Editing	10:00am onwards	Computer Science Lab-508	Ms. Pooja N Dr. Poornima D Ms. Gagana C N Dr. Swetha P	
3	Department of Microbiology	Metamorphosis: Transforming Ideas into Prototypes	3:00pm to 4:00pm	4 th Floor	Mrs. Soumya S Shanbhag Dr. Vishal M Dr. Radha Dayanidhi Ms. Rithu Ms. Bhumika R A	
4	Department of Biotechnology	Scientific Model Making	12:00pm to 1:00pm	BT Lab	Dr. Geetika Pant Dr. Nibedita Pradhan Dr. Anushree Dr. Prashanthi R Ms. Shilpa Dr. Panchami H R	
5	Department of EMCs	Curiosity Clash-Quiz	1:00pm to 3:00pm	Visveswaraya Auditorium	Mrs. Haritha A Dr. Vinutha M Mrs. Asharani R Dr. Nandini Dr. Vidya J Mrs. Brundha N Ms. Nesara K R	

Competition Details

about us



Founded on the vision of Dr. M.S. Ramaiah, a pioneering philanthropist, Ramaiah College is a cornerstone of the Gokula Education Foundation (GEF), which was established in 1962 to advance education and healthcare. Since 1994, Ramaiah College of Arts, Science, and Commerce (MSRCASC) has embodied his mission, fostering a vibrant community of learning. Now an autonomous institution affiliated with Bengaluru City University and accredited with an "A" grade by NAAC, the college offers a transformative education that prepares students for a dynamic future.

Ranked 87th by the National Institutional Ranking Framework (NIRF) in 2024, the college is recognized as one of Karnataka's premier institutions. It has received prestigious designations such as the DBT-STAR College by India's Ministry of Science and Technology and has established a Research Center for biotechnology innovation. MSRCASC offers a robust array of undergraduate and postgraduate honors programs across the fields of Arts, Science, Commerce, and Management, serving over 2,900 students.

Our legacy lies in academic distinction, evidenced by numerous university ranks and gold medals. Ramaiah College continues to honor Dr. Ramaiah's vision by equipping students with the skills, knowledge, and values to excel and contribute meaningfully to society.

Metamorphosis: Transforming Ideas into Prototypes

ADVISORY COMMITTEE

Dr. Pushpa H,
Principal, MSRCASC
Dr. Channarayappa
Professor and Head Research and
Development, MSRCASC
Dr. J. Savitha
Professor and Research Advisor,
MSRCASC

Date & Venue

FEBRUARY 27 & 28, 2025
3:00PM
GALLERY ROOM, FLOOR NO. 6
MSRCASC CAMPUS

THEME: :SCIENCE SHAPING
TOMORROW

Registration is Free

Register on or before February 20, 2025

More Information

Coordinators

Mrs. Soumya S Shanbhag-9740819951
Dr. Vishal M-96321 42542
Dr. Radha Dayanidhi-9449350912
Ms. Rithu-9886807795
Ms. Bhumika R A-9886036557

Department of Microbiology
MSRCASC-Autonomous



Department of Microbiology

Organizes
National Science Day 2025

Metamorphosis: transforming Ideas into Prototypes

Ideate,
Investigate and
Demonstrate

The Metamorphosis: transforming ideas into prototypes is an exciting platform for innovators, designers, and creators to showcase their ingenuity and bring their ideas to life!

This competition challenges participants to design and present functional prototypes that address real-world problems or explore futuristic possibilities.

DR. PUSHPA H, PRINCIPAL, MSRCASC
PROF. JAYARAMA, VICE PRINCIPAL, MSRCASC

www.msrmcasc.edu.in

080-23600966



About National Science Day



National Science Day (NSD) is celebrated every year on February 28th. On this day in 1928, Dr. C. V. Raman discovered a phenomenon of scattering of photons later known as the "Raman Effect" after his name. After two years, in 1930, he got the Nobel prize for his remarkable discovery, the first Nobel prize for India in Science. National Science day is celebrated in India yearly to mark the discovery of his famous phenomenon. Govt. of India declared the day as National Science Day in 1986. The fundamental objective of the NSD is to propagate the message of the importance of Science and its application among the people and to promote the spirit of curiosity, creativity and scientific temperament in the young generation of India.

Competition Details

Rules and Regulations



- A team of 3 members
- Time limit: 10mins
- The prototype must align with the competition's theme.
- The prototype can be a physical model, digital simulation, or a combination of both, depending on the competition category.
- Presentation must showcase innovation, feasibility, and functionality.
- Evaluation of the prototype will be based on the originality, novelty, creativity and future prospect.
- Judges decision will be final

Submission Guidelines



- Brief writeup about the prototype must be submitted by February 24 2025.
- If the prototype involves software or hardware, participants must provide a demonstration video or documentation.
- All submissions must be original and not previously published or commercialized.
- Required materials for demonstration must be brought by the participants

Intellectual Property Rights



- Participants retain ownership of their prototypes.
- By entering the competition, participants grant the organizers a non-exclusive right to showcase their designs for promotional purposes.

Department of Microbiology

Organizes

National Science Day 2025

Metamorphosis: Transforming Ideas into Prototypes

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About the Theme:

"Science Shaping Tomorrow," emphasizes the critical role of scientific advancements in shaping the future. It highlights how research, technology, and innovation are driving progress in various fields such as healthcare, climate change, artificial intelligence, space exploration, and sustainable development.

Cash Prize of 3K for the
1st prize winners

Department of Microbiology

QR Code for Registration



DEPARTMENT OF MICROBIOLOGY

REPORT ON

METAMORPHOSIS-TRANSFORM YOUR IDEAS INTO PROTOTYPES

Title: Metamorphosis-Transform Your Ideas into Prototypes

Date: 27th & 28th February 2025

Venue: Gallery Room (6th Floor) & Dr. APJ Abdul Kalam Auditorium

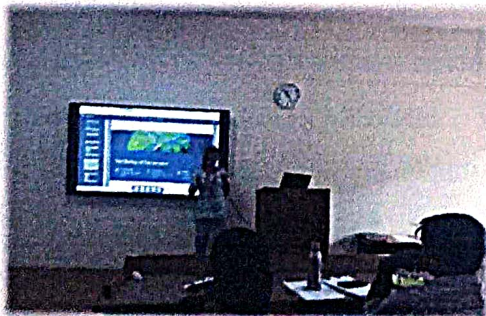
Participants: Graduate & Post Graduate Students of MSRCASC

No. of Participants: 7 teams

Objective:

- To inspire creativity and innovation in problem-solving.
- To guide participants through the process of idea generation to prototype development.
- To encourage teamwork and collaboration.
- To refine participants' abilities to present and pitch their prototypes effectively.

Department of Microbiology, MSRCASC organized a prototype designing competition, Metamorphosis-Transform your ideas into prototypes for the students of MSRCASC on 27th & 28th February 2025. This exciting event was organised for bridging the gap between theoretical knowledge and practical application to help shape the students better. The



theme of the event was "Science Shaping Tomorrow." This competition challenges participants to design and present functional prototypes that address real life problems or explore futuristic possibilities. Students gave their different insights and ideas to have a better and advanced future. Total of 7 teams from various streams participated

and presented their prototypes in front of panel of judges.

Shreem - H

The external judge for the session was Dr. Karthik from Indian Institute of Sciences, Bengaluru and the Internal judge was Prof. Savitha J, Research Advisor, MSRCASC.

The session was divided into the following stages:

- a. **Idea Generation** - Participants brainstormed innovative concepts to address real-world problems on the theme.
- b. **Concept Development** - Teams refined their ideas, identifying feasibility and potential impact.
- c. **Prototype Creation** - Using available materials, participants built physical or digital representations of their ideas.
- d. **Presentation & Feedback** - Each team presented their prototype, received constructive feedback, and refined their models accordingly.



The participants designed the prototype on different concepts which included

- An experimental approach of nitrogen based environmental pollutants degradation and purification & bridging the approach to sustainable development
- Sustainable clothing from fungi and algae which can contribute to environment sustainability and help to walk towards ecofriendly society
- A safe stick which helps the blind people to detect the objects close to them.
- An accident Prevention prototype which senses any incidents happened for a human while driving such as dizziness, sleepiness etc
- A dustbin which can make compost within one day by organic kitchen waste with the help of AI.

These Prototypes were assessed based on the theme, innovation, feasibility, impact, functionality, and presentation effectiveness. Judges, comprising industry experts and mentors, provided detailed evaluations and recommendations for improvement.



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Outcomes and Learning Experiences

- Participants successfully transformed abstract ideas into prototypes.
- Enhanced problem-solving abilities and innovation skills were observed.
- Improved teamwork and communication skills among group members.
- Constructive feedback allowed participants to refine their designs.
- The competition aspect of the activity motivated teams to push their creative boundaries, leading to highly innovative and well-structured prototypes.
- The winning prototypes demonstrated exceptional creativity, feasibility, and practical application, showcasing participants' ability to design effective solutions.
- The event encouraged iterative thinking, where teams learned to adapt and improve their designs based on feedback and testing.

Conclusion The "Metamorphosis" activity proved to be a valuable learning experience, fostering creativity, collaboration, and hands-on application of theoretical knowledge. Participants not only gained technical skills but also developed a mindset for continuous improvement and innovation.

Glimpse of Prize Winners of Prototype Designing Competition



Shreya H

M S RAMAIAH COLLEGE OF ARTS, SCIENCE AND COMMERCE- AUTONOMOUS

Department of Sciences

Organizes

Metamorphosis: Transforming Ideas Into Prototype

27th February 2025

Registration form

Team No.	Name of the Participant	Registration Number	Class	Section	Signature
①	Arha & Aryan	U18EV2150219 U18EV215022	HONS	-	
③	Lakshmi Sanyo. Padidam.	U18EV2150282	BSc - V-SEM	A-sec	Sanyo.
③	Naveen-B	U18EV2350103	BSc ECS II sem	ECS	
⑤	Vismay Rao B.N	U18EV2350074	BSc ECS II sem	ECS	
③	Nanditha.P.S	U18EV2350096	BSc ECS II sem	MCS	
④	Varsha.V	U18MB2450194	B'cc EMCS II sec	EMCS	
④	Manogna .S Rao	U18MB2450081	EMCS II sec	EMCS	
⑤	dyushma Paul	P18EV235027021	MSc BT	MSc	
②	Shashu Beua	P18EV23M015050	MBA	MBA	
⑤	Vicky Shakun	P18EV23M0144	MBA.	MBA.	
⑥	Kec & the Prabhakar	U18EV2250372	BSc	ECS	

Signature of Event Coordinators

M S RAMAIAH COLLEGE OF ARTS, SCIENCE AND COMMERCE- AUTONOMOUS

Department of Sciences

Organizes

Metamorphosis: Transforming Ideas into Prototype

27th February 2025

Registration form

Team No.	Name of the Participant	Registration Number	Class	Section	Signature
6	Jyashwini. S	U18EV22S0363	BSc(ECS)		Jyashwini
7	Spandhana Venkatesh	U18MB24S0187	BSc EMCS		Spandhana Venkatesh
14					
15					
16					

[Handwritten Signature]

Signature of Event Coordinators