

Open Day- Workshop

11:30am to 1:30pm

Department of Computer Science

Workshop on computer hardware and networking tools

Department of Microbiology

Workshop on Mushroom Cultivation and Wine Making

Department of Biotechnology & Genetics

Workshop on Molecular Biology

Department of Chemistry & Biochemistry

Engaging experiments to explore the science of Chemistry & Biochemistry

Department of Electronics

Workshop on introduction to components of Electronics

Department of Food Technology

Workshop on Balanced Diet, My plate concept and Probiotic

Faculty Coordinator

Mrs. Haritha A-7019539321
Mrs. Suma C-9844002264
Mrs. Soumya S S-9740819951
Mrs. Ramya Kumari B S-9886841799

Student Coordinator

Mr. Alok Moriya -7814864316
Ms. Anagha K-9019049979
Mr. Balaji Gowda-7019648348
Mr. Syed Fouzan-9901153025
Ms. Shambhavi-9886975886

Organizing Committee Members

- Mrs. R Sridvidya , Dept. of Computer Science
- Dr. Vishal M, Dept. of Microbiology
- Dr. Dileep, Dept. of Biotechnology
- Dr. Pooja G Singh, Dept. of Biochemistry
- Ms. Nesara, Dept. of Electronics
- Dr. Robin Wilson, Dept. of Chemistry

Competitions

2:00pm to 4:30pm

Clue-crate-Mystery Box Challenge

About the competition
Rules:

Team of three members.

Time: Round 1&2: 1 minute and Round 5 minutes.
Teams with more points will proceed to the next round.

Third round will be an escape room.

CATALYST CLASH

Chemistry/Biochemistry puzzle

Rules: 2 in a team

A chemistry/biochemistry-related topic/keyword will be chosen by the team.

Teams must list as many valid words related to the given topic as possible.

The Navigators Gambit-A Treasure Hunt

The scientific treasure hunt

Rules:

3 in a team

Time duration: 45 min

Each team will get the clues after finishing the task given in the lab in the form of small experiment to reach the next goal

Brand Quest-Quiz

Science quiz Rules:

3 in a team

Time duration: 45 min

Theme: Science

The ABO Mystery

Team Size: 2-5 students.

Time Limit: 5 minutes.

Materials Provided: Suspect parent(s) blood group results , Child's blood group result.

Case background story.

Worksheets for reasoning.

Submission: Teams must submit their conclusion with stepwise reasoning.

DEPARTMENT OF SCIENCES

organizes

OPEN DAY SCIMAGICA 2025

18TH SEPTEMBER 2025
9:30AM TO 4:30PM

Chief Guest

C. V. Yelamaggad
Scientist, Centre for Nano and Soft Matter
Sciences, Bangalore

Head of the Departments

Dr. Jayashree D R
Dr. Surendra A S
Mrs. Haritha A

Dr. Prathibha Kalburgi
Dr. Prasanna Srinivas R
Dr. Savitha J

Prof. B S Jayarama
Vice Principal

Dr. Pushpa H
Principal

Venue: Dr. Abdul Kalam Auditorium,
MSRCASC

Date: 18th September 2025

Time: 09:30am onwards

Location on Map



Scan to
Register



DEPARTMENT OF MICROBIOLOGY

REPORT ON

EXTENSION ACTIVITY

SCIMAGICA 2025-OPEN DAY

Title: SciMagica 2025-Open Day for PU Students

Date: 18th September 2025

Venue: Visveswaraya auditorium and Microbiology Labs, MSRCASC Campus

Participants: School Students of I and II PU across Bangalore

No. of Participants: 231 school children from I & II PU

Date: 18th September 2025

Theme: Open Day/Extension Activity

Objectives:

- To Recognize and celebrate students' creativity, intelligence, and hard work.
- Help students gain self-confidence through participation and achievement.
- Motivate students to pursue higher education and careers in the field of sciences.
- Foster curiosity and interest among PU students for science and technology
- Encourage students to work together and develop leadership skills.

SciMagica 2025- an open day organized by M S Ramaiah College of Arts, Science and Commerce-Autonomous on 18th September 2025. This event was targeted for I & II PU students to recognize and celebrate students creativity, intelligence, to motivate curiosity and interest among PU students for science and technology through workshop and also encourage students to work together and develop leadership skills through treasure hunt.

Total of 231 students from I & II PU from MES PU college, Base academy, Sri sri Ravishankar vidya mandir, Narayana PU college, DPS north, Vidya Mandir Ind PU college, St. Aloysius PU college, MES KK PU college, Silver Valley public PU college, Bishop Cotton Women's Christian college, Ramaiah Composite PU college participated in the open day event.

The event was divided into different sessions, the first session was motivational talk, second session was workshop by different departments, third session was competitions followed by valedictory and prize distribution.

Session I: Motivation Talk

The program started with the inauguration ceremony where chief guest **Dr. C V Yelamaggad**, Scientist, Centre for Nano and Soft Matter Sciences, Bangalore, principal, Dr. Pushpa H, vice-principal Prof. B S Jayarama, Dr. Prasanna Kumar H G, COE and other dignitaries graced the occasion and lit the lamp.

Later the program continued with a thought-provoking *Motivation Talk* delivered by C V Yelamaggad on “Why God is not Visible”. The session focused on inspiring students to pursue higher education in science, highlighting career opportunities, research possibilities, and the importance of curiosity-driven learning. The talk left the participants energized and gave them a sense of purpose to explore science beyond textbooks.

Session II: Workshop by Department

Following the inaugural session, interactive workshops were conducted to showcase its unique strengths through demonstrations, experiments, and hands-on activities. Students had the opportunity to gain practical exposure in areas of microbiology. The workshops not only enhanced their conceptual understanding but also encouraged them to think critically and creatively.

The department highlighted the fascinating world of microorganisms through live culture demonstrations, microscopic observations, and simple experiments illustrating Mushroom cultivation & Wine making. The workshop received enthusiastic participation from PU students, who were eager to explore the science behind everyday products like wine and mushrooms. Faculty members and student volunteers guided the sessions, ensuring an engaging and interactive learning atmosphere.

The first session introduced students to the science and art of wine making. Faculty members and volunteers explained the **history of wine production**, its cultural significance, and the **role of microorganisms (yeasts)** in the fermentation process.

Students were given a demonstration of the step-by-step wine making procedure:

1. **Selection of raw materials** – Grapes and alternative fruits suitable for fermentation.
2. **Preparation of must** – Crushing of fruits to extract juice.
3. **Inoculation with yeast** – Introduction of *Saccharomyces cerevisiae* as the fermenting agent.

4. **Fermentation process** – Conversion of sugars into alcohol under controlled conditions.
5. **Clarification and maturation** – Methods to improve quality and taste.

The session highlighted the importance of **hygiene, temperature control, and storage** in wine production. Students were fascinated to learn how the same microorganism responsible for bread-making also creates beverages. Discussions on the legal aspects of wine making in India, as well as its scope in the biotechnology and food industry, added real-world context.

The second session focused on **mushroom cultivation**, a sustainable and profitable agribusiness model. The faculty members and volunteers student introduced the **nutritional and medicinal values of mushrooms**, emphasizing their high protein, vitamin, and mineral content.

The hands-on demonstration included:

1. **Substrate preparation** – Sterilization of paddy straw and sawdust.
2. **Spawning** – Mixing mushroom spawn with prepared substrate.
3. **Incubation** – Maintaining optimal temperature and humidity for mycelial growth.
4. **Fruiting and harvesting** – Conditions for the development of fruiting bodies.

Special attention was given to popular varieties such as **Oyster mushroom (*Pleurotus spp.*)** and **Button mushroom (*Agaricus bisporus*)**. Students observed the live inoculation process and were encouraged to try mushroom growing kits at home. The session also covered **entrepreneurial opportunities**, cost-effectiveness, and challenges in large-scale cultivation.

Session III: Competitions

The third session was filled with excitement as interesting competition “Navigators Gambit- A Treasure Hunt” was organized for the PU students. Total of 48 teams having 3 students each participated in this competition. The treasure hunt was designed with multiple **clues and tasks**; each linked to a scientific principle or simple experiment. Participants had to solve each clue to progress to the next stage. The event was conducted in teams to encourage collaboration and active participation.

Some highlights of the tasks included:

Lab-based puzzles: Identifying chemicals using colour reactions, spotting microbial colonies on plates, or decoding messages written with invisible ink (lemon juice).

Concept-based riddles: Clues based on physics formulas, biological facts, or famous scientific discoveries.

Hands-on activities: Simple microbiology experiments, using microscopes to reveal hidden messages.

The treasure hunt generated tremendous excitement among students. Teams were seen brainstorming, experimenting, and racing against time to crack the clues. The mix of intellectual challenges and playful exploration created a lively atmosphere in the laboratory and campus.

Conclusion

The **Wine Making and Mushroom Cultivation Workshop** was a resounding success, providing PU students with a rare opportunity to gain practical exposure to microbiology and biotechnology applications. By blending science with skill-based training, the workshop not only enriched students' knowledge but also inspired them to think innovatively about future possibilities in food, agriculture, and biotechnology.

Such experiential programs play a vital role in igniting curiosity, promoting scientific temper, and nurturing the next generation of scientists and entrepreneurs.

Overall Scimagica 2025 proved to be a memorable and enriching experience for all participants. The Open Day not only motivated students to pursue science with passion but also gave them a platform to learn, engage, and showcase their skills. The event successfully fulfilled its objective of igniting scientific curiosity among PU students and strengthening the bond between schools and higher education institutions.

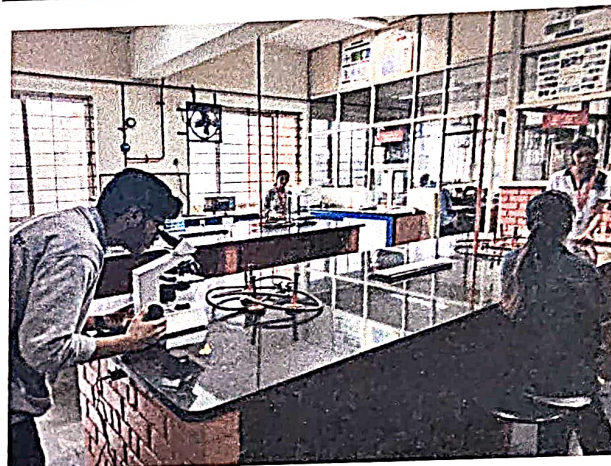
The overwhelming response ensures that such initiatives will continue to be a part of the college's annual activities in the future.

Report Compiled by:

Department of Microbiology

M.S. Ramaiah College of Arts, Science, and Commerce – Autonomous





Event Coordinators:

1. Mrs. Soumya S Shanbhag
2. Dr. Vishal M
3. Dr. Aravindganth

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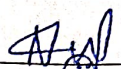

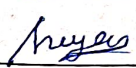
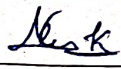

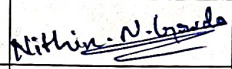
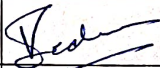

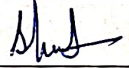

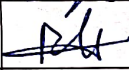
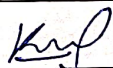
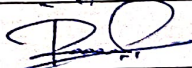
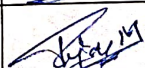

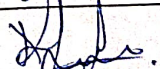
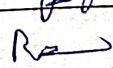
Head of the Department

[Signature]
Principal

M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bengaluru - 560 054

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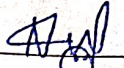

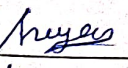
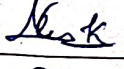

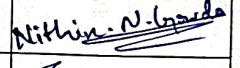
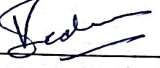

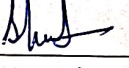

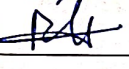
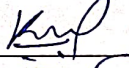
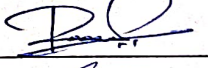
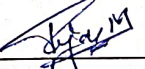

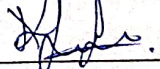
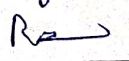
Event Name: Treasure Hunt

Sl. No.	Name of the Student	Phone Number	Name of the College/School	Signature of the Student
1	Nithin . J	9632833390	MES. MPL	
	Abhay S. J	7019794542	MES. MPL	
	Sujay . C	9844088218	MES. MPL	
2	Nathan Kumar . K.	9880012828	MBS -MPL	
	Pragya . N.	7483344737	MBS -MPL	
	Nithin . Gouda	7676723223	MBS -MPL	
3	Vedant Shetty	9945570532	Base Sahakar Nagar	
	Jia	9964260305	Sri Sri Ravishankar Vidya Mandir BN	
	Shashwat	8073180594	Base Sahakar Nagar	
4	Sahil Niraj Kakkad	9019287248	Narayana Sahakar Nagar	
	Dheev Rangarajan	636685773	Narayana Sahakar Nagar	
5	Kushal . K	7411637158	MES MPL	
	Pramod . S	7975769648	MES MPL	
	Tejas . M	8147601864	MES MPL	
6	Nethan D	9019376638	MES MPL	
	Likith Gouda . V	7353659369	MES MPL	
	Rahul . H	974409335	MES MPL	


Name and Signature of the Coordinator:

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	Prajwal N.	7483344737	MBS -MPL	
	Nithin . N. Gowda	7676723223	MBS -MPL	
3	Vedant Shetty	9945570532	Baze Sahakaragan	
	Jia	9964260305	Sri Sri Ravishankar Vidya Mandir BN	
	Shashwat	8073180594	Baze Sahakaragan	
4	Sahil Niraj Kakkad	9019287248	Karayana Sahakaragan	
	Dhruv Rangarajan	636685773	Karayana Sahakaragan	
5	Kushal . K	7411637158	MES MPL	
	Pranav . S	7975769648	MES MPL	
	Tejas - M	8147601864	MES MPL	
6	Nethan D	9019376638	MES MPL	
	Likith Gowda . V	7353659369	MES MPL	
	Rahul . H	9741109335	MES MPL	

Name and Signature of the Coordinator:





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SCIMAGICA 2025 OPEN DAY
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Event Name: Measure Hunt

Sl. No.	Name of the Student	Phone Number	Name of the College/School	Signature of the Student
1	Lilith .14	6362333858	Taproot SVPU	
	Muldap Singh	7899007092	Taproot SVPU	
	Deepak Pithulaksh	7760208007	Taproot SVPU	
2	Mahuli	4019298984	Taproot SVPU	
	Sanketh	7338681450	" "	
	Saqilun Ahmed	8917646136	Taproot SVPU	
3	Deepak	9845803085	" "	
	Samuel Joshua . S	9972280062	Taproot SVPU	
	Madan Kumar . S	9019690511	Taproot SVPU	
4	Kruthick . R	9449463160	TAPROOT SVPU	
	Nisarga Narayan . S			
	Vedha Arun			
5	Tejasvini . R	7406449899	- " -	
	Vedha Arun	9449463160	- " -	
	Nisarga Narayan . S	9480335554	" " " "	
6	Surya . M	7353401139	Taproot SVPU	
	Varundhara . B	7353582273	- " -	
	Pallavi R Kumar	7353582273	- " -	

Name and Signature of the Coordinator:

DEPARTMENT OF SCIENCES
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Event Name: Navigator's Gamelit - A Treasure Hunt

Sl. No.	Name of the Student	Phone Number	Name of the College/School	Signature of the Student
1	Prithvi <u>PRITHVI ANIL</u>	<u>9945611803</u>	<u>RCPUC</u>	<u>RA</u>
	<u>Prathik. M</u>	<u>9080020585</u>	<u>RCPUC</u>	<u>Ree ST.</u>
	<u>Saravj Kanji</u>	<u>7899746992</u>	<u>RCPUC</u>	<u>Saravj Kanji</u>
2	<u>JOSHIKA.S</u>	<u>9513887279</u>	<u>RCPUC</u>	<u>Josika</u>
	<u>SHRUTHIKA SRI</u>	<u>7010906845</u>	<u>RCPUC</u>	<u>[Signature]</u>
	<u>ROOPA</u>	<u>720466986</u>	<u>RCPUC</u>	<u>[Signature]</u>
3	<u>Aditya Raj</u>	<u>9204907629</u>	<u>RCPUC</u>	<u>Aditya</u>
	<u>Mohit Kumar Gupta</u>	<u>7676940650</u>	<u>RCPUC</u>	<u>Mohit</u>
	<u>Krishana Pal Singh</u>	<u>8904401302</u>	<u>RCPUC</u>	<u>Krishana</u>
4	<u>Ayanulla Shareef</u>	<u>8792933852</u>	<u>RCPUC</u>	<u>Ayan</u>
	<u>Dakshath.HS</u>	<u>8123427927</u>	<u>RCPUC</u>	<u>Dakshath.HS</u>
	<u>Mohamed Lugman</u>	<u>9632105092</u>	<u>RCPUC</u>	<u>[Signature]</u>
5	<u>Ravani Chougula</u>	<u>8867996014</u>	<u>RCPUC</u>	<u>Ravani</u>
	<u>Preksha .R.</u>	<u>9886242935</u>	<u>RCPUC</u>	<u>Preksha</u>
	<u>Akshara</u>	<u>9036191250</u>	<u>RCPUC</u>	<u>Akshara</u>
6	<u>Nityanshree . G.</u>	<u>7483845916</u>	<u>RCPUC</u>	<u>Nityanshree</u>
	<u>Shakthi, D.</u>	<u>9880101079</u>	<u>RCPUC</u>	<u>Shakthi</u>
	<u>Harshika Shanmugam</u>	<u>9972177053</u>	<u>RCPUC</u>	<u>Harshika</u>

Name and Signature of the Coordinator:

[Signature]

DEPARTMENT OF SCIENCES
SCIMAGICA 2025 OPEN DAY
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18th September 2025

Event Name: *The navigators Gambit-A (Treasure hunt)*

Sl. No.	Name of the Student	Phone Number	Name of the College/School	Signature of the Student
1	Amit KS	90196 74814	Vidyamandir	<i>Amit KS</i>
	Makund S Iyengar	9008367562	Ind PU	<i>Makund S Iyengar</i>
	Advait Joshi	7972647903	College	<i>Advait Joshi</i>
2	A. Kishore Kumar	9731761876	Vidya	<i>A. Kishore Kumar</i>
	A Man M.B	-	Mandir	
	Rohit Bhardwaj	-	Ind. Pae Univ.	
3	Annie	7085349366	St. Aloysius	<i>Annie</i>
	Anuina	"	PU college	<i>Anuina</i>
	Jennifer	"	"	<i>Jennifer</i>
4	ShreyA Naidu	960539147	St. Aloysius	<i>ShreyA Naidu</i>
	Mehet Asfeyz	6362788328	"	<i>Mehet Asfeyz</i>
	Amelia - 16	890 4681337	St. Aloysius	<i>Amelia - 16</i>
5	Md. Jaisal	9742704007	St. Aloysius	<i>Jaisal</i>
	Prabhat	7483594774	St. Aloysius	<i>Prabhat</i>
	JOHNSON	6361670230	ST. ALOYSIUS	<i>JOHNSON</i>
6	NASRUDDIN	7996425837	ST. ALOYSIUS	<i>Nasruddin</i>
	Tauheed Pasha	9845801611	ST. ALOYSIUS	<i>Tauheed Pasha</i>
	Roshan	8861250188	ST. ALOYSIUS	<i>Roshan</i>

Name and Signature of the Coordinator: *[Signature]*

DEPARTMENT OF SCIENCES
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Event Name: Treasure Hunt

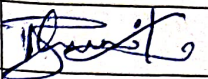
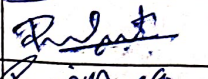
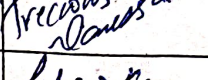
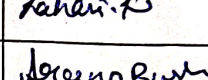
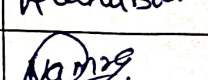
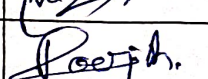
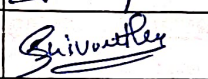
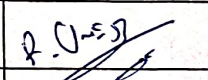
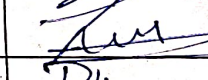
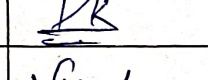
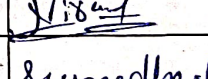
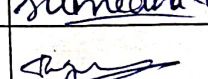
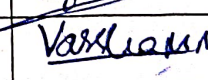

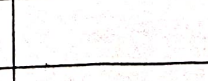
Sl. No.	Name of the Student	Phone Number	Name of the College/School	Signature of the Student
1	Shawya. S	9916442008	MES KK PU	Shawya S
	Helen. KH	9986135821	"	Helen KH
	P. Pragaladhan	8660393958	"	Pragaladhan
2	Omikara Swarnam	9019474777	"	Swarnam
	Shreyas S	9342093227	"	Shreyas S
	Sneekal. S	6361630707	"	Sneekal S
3	Sanath. G	9538812456	ASE PU College	Sanath. G
	ABZAN	9845709477	" "	Abzan
	Nishanth	7022334918	" "	Nishanth
4	Hemanth	9353626602	S.V. Public PU Clg	Hemanth
	Charan Tej. R	9483154246	S.V. Public PU Clg	Charan
	JASON ENOCK AUGUSTO	9880230444	" "	Jason
5	Pavithra. K	8673625747	S.V Public PU Clg	Pavithra
	Vidhya. M	7349574767	" "	Vidhya
	Indushree. S	8192671506	" "	Indushree
6	Khadija Khatun	6361316445	Silver Valley PU College	Khadija
	Amna Banu	9900846041	" "	Amna
	Divya. E	8431886468	" "	Divya E

Name and Signature of the Coordinator:

[Signature]

DEPARTMENT OF SCIENCES
SCIMAGICA 2025 OPEN DAY
REGISTRATION FORM
18th September 2025

Event Name: Treasure hunt

Sl. No.	Name of the Student	Phone Number	Name of the College/School	Signature of the Student
1	Bhumi Ka . U	9008256899	BCWCC	
	Plessilla . P	9008256899	BCWCC	
	Precious Vanessa . P	9008256899	BCWCC	
2	Lahari . K	7619505301	BCWCC	
	Areena	9620834940	BCWCC	
	Nama	7676400384	BCWCC	
3	POOJITH RAJ . V	8431372166	SCPUC	
	SHIVMURTHY	8431372166	SCPUC	
	CHIRANTH	8431372166	SCPUC	
4	TUSHAR BN	8951230402	SCPUC	
	PRAJWAL K.	8050432457	SCPUC	
	NIRANJAN C.	8951342944	SCPUC	
5	Sumedha . K	9019175211	VMIPUC	
	Pragna . G	8310834602	"	
	Vaasha M . W	7676822038	"	
6				

Name and Signature of the Coordinator: 

DEPARTMENT OF SCIENCES
SCIMAGICA 2025 OPEN DAY
REGISTRATION FORM
18th September 2025

Event Name: Navigators Gababit -

Sl. No.	Name of the Student	Phone Number	Name of the College/School	Signature of the Student
1	SUMAN . H D R A J I D R I F	7338039598	St. Aloysius Vellore	
	Breetham Joshy	9986845580	St. Aloysius PUC	
	MOSES . M	9886454001	St. Aloys PUC	
2	Soufan	7760215410	St. Aloysius	
	Lucky singh	9620921806	St. Aloysius	
	Velmurugan . V	7795809715	St. Aloysius	
3	Ethan Zeno		St. Alo	
	Rajesh .	8861567477	St. Aloysius	
	Manish	
4				
5				
6				

Name and Signature of the Coordinator: