

Industrial Visit to Indian Institute of Science, Bengaluru

Mahajana Education Society (M)
Education to Excel
SBRR Mahajana First Grade College (Autonomous)
Jayalakshmiapuram, Mysuru - 570 012 Karnataka, INDIA
Affiliated to University of Mysore.
Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence

Date: 27/02/2024

DEPARTMENT OF MICROBIOLOGY

Report on

"Open Day-2024 of Indian Institute of Science", Bengaluru

On account of the Science Day Celebration and as a part of experimental learning, 40 students of final year B.Sc BTBM embarked on an industrial visit to the "Open Day-2024" of the prestigious Indian Institute of Science (IISc) in Bengaluru on 24th Feb 2024. Two Faculty members, Ms. Raniya V from the Department of Biochemistry and Ms Spandana N from the Department of Microbiology, SBRR Mahajana First Grade College (Autonomous), Mysuru accompanied the students.

The visit aimed to make students aware of advancements in the field of techniques and technological instruments in understanding the core of research and its implications. The primary objective of the visit was to acquaint students with the state-of-the-art laboratories, research facilities, and academic environment at IISc. Additionally, the visit sought to inspire students by showcasing real-world applications of the theoretical concepts learnt in the classroom and encouraging them to consider research as a viable career path. The visit aimed to expose students to cutting-edge research facilities, foster academic curiosity, and provide practical insights into the field of science and technology.

To begin with the visit, we arrived at IISc, Bengaluru at 10:30 am. Upon arrival at IISc, the group was warmly welcomed by faculty members who guided us through a meticulously planned itinerary. The visit commenced with an insightful presentation on the history, mission, and research focus areas of IISc, providing valuable context for the subsequent activities.

Indian Institute of Science (IISc) is a public, deemed research university for higher education and research in science, engineering, design and management.

The highlight of the visit was the guided tour of various departments and research centres within the campus. Students had the opportunity to visit laboratories specializing in diverse fields such as Physics, Chemistry, Biology, Microbiology, Biochemistry, Neuroscience, Nano-science, Aerospace engineering, Bio-engineering and Ecological science witnessing ongoing experiments and interacting with researchers enabled students to gain knowledge and exposure to advanced scientific methodologies and instrumentation.

Department of Microbiology:

Students started visiting the biological sciences section initially, which included various branches of biology. Students visited the microbiology department, where they were introduced to the diverse world of microorganisms and their applications. They observed first-hand, the cultivation of various microbial species and learned about their roles in biotechnological processes and environmental sustainability. The department's focus on inter-disciplinary research bridging microbiology with bioinformatics sparked intriguing discussions among the students.

Educational Sessions:

Lytic and Lysogenic Cycles: Students were given detailed explanations of viral replication cycles, particularly the lytic and lysogenic cycles using interactive models.

Malarial Life Cycle: The visit included a comprehensive overview of the malarial life cycle, from transmission by Anopheles mosquitoes to infection and replication within human red blood cells. Students gained insights into ongoing research on antibacterial drug development and strategies for combating drug resistance.

Department of Molecular Biology: The Molecular Biology department showcased ground-breaking research in genetic engineering, genomics, and molecular diagnostics. Students interacted with researchers involved in CRISPR-Cas 9 applications and personalized medicine initiatives.

Department of Neuroscience: Students visited the Neuroscience department, where they delved into studies focusing on the brain, nervous system, and cognitive processes.

Throughout the visit, students not only interacted with faculty members and research scholars but also were completely engaged at each level of visit with many puzzle maze, crossword puzzles, decoding activities based on genetic code and so on where students showed active participation and enjoyed it to the core. These interactions provided valuable insights into career opportunities in scientific research.

The visit to the Open Day- 2024 of the Indian Institute of Science, Bengaluru was a resounding success, exceeding expectations in terms of educational value and experimental learning. It not only expanded their knowledge of scientific research methodologies but also inspired them to pursue careers in cutting-edge scientific fields. The exposure to pioneering research at IISc Bengaluru will undoubtedly shape their academic and professional journeys positively. It is hoped that the insights gained from this experience will propel students towards future endeavours in research. Students were thankful to the Principal, Management and to the Department of Microbiology, SBRR Mahajana First Grade College (Autonomous), Mysuru-12 for organizing this educational visit.


Dr. B R Jayakumari
PRINCIPAL

Smt. Bhagyalekshmonama Ramhalli Rani
Mahajana First Grade College (Autonomous)
Jayalakshimpuram, MYSURU-570 012


IQAC Co-ordinator
IQAC Coordinator

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Head of the Department

Head of the Department of Microbiology
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Mahajana Education Society (R.)
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Attendance Sheet

Name of the Department : BTBM

Date: 24/02/2024

Name of the Program : Visit to IISC, Bangalore.

Time: 10.00- 5.00 PM

Organized by: Departments of Science

Total Number of Students attended: 25

SLNo	Name of the Student	Program	Semester	Combination	Signature
1.	DHANUSH C M	BSc	VI	Bt B	[Signature]
2.	GANESH M	BSc	VI	Bt B	[Signature]
3.	JAHNAVI M T	BSc	VI	Bt BC	[Signature]
4.	JESSICA SHERLIN B	BSc	VI	Bt B	[Signature]
5.	KOWSHIK S R	BSc	VI	Bt B	[Signature]
6.	LAVANYA N	BSe	VI	Bt BC	[Signature]
7.	M S SAGAR	BSe	VI	Bt B	[Signature]
8.	PAVITRA	BSc	VI	Bt BC	[Signature]
9.	PRAJWAL R	BSe	VI	Bt BC	[Signature]
10.	SAMITH H S	BSe	VI	Bt BC	[Signature]
11.	SINCHANA H R	BSe	VI	Bt BC	[Signature]
12.	SUBHASH CHANDRA R	BSe	VI	Bt BC	[Signature]
13.	TEJA KUMAR G C	BSe	VI	Bt BC	[Signature]
14.	VEERESH G	BSc	VI	Bt BC	[Signature]
15.	ZAIRA AMINA	BSc	VI	Bt BC	[Signature]
16.	SINCHANA H R	BSc	VI	Bt BC	[Signature]
17.	AKSHATHA G	BSc	VI	Bt BC	[Signature]
18.	ASHWINI M S	BSc	VI	Bt BC	[Signature]
19.	BHOOMIKARAJ P	BSc	VI	Bt BC	[Signature]
20.	HARSHITHA C K	BSe	VI	Bt BC	[Signature]
21.	KARTHIK D	BSe	VI	Bt BC	[Signature]
22.	KEERTHANA M S	BSe	VI	Bt BC	[Signature]
23.	LAKSHMI B S	BSe	VI	Bt BC	[Signature]
24.	LAVYA B V	BSc	VI	Bt BC	[Signature]
25.	LENITA P	BSc	VI	Bt BC	[Signature]

Received
24/2/24

Total = 40

Name of Teacher Incharge : Ramya V and Spandana N

Signature of Teacher Incharge:

[Signature of Ramya V]
Head of Department (Autonomous)
Department of Science
Jayalakshmiapuram, Mysuru - 570 012

[Signature of Spandana N]

Signature of HOD

[Signature of HOD]
Head of Department (Autonomous)
Department of Science
Jayalakshmiapuram, Mysuru - 570 012

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Attendance Sheet

Name of the Department : BTBM

Date: 24/02/2024

Name of the Program : Visit to IISC, Bangalore.

Time: 10.00- 5.00 PM

Organized by: Departments of Science

Total Number of Students attended: 17

Sl.No	Name of the Student	Program	Semester	Combination	Signature
26	LIKHITHA S	BSc	VI	BTMB	Likhitha S
27	BANUTEJ	BSc	VI	BTMB	Banutej
28	CHEETHAN P	BSc	VI	BTMB	Cheethan P
29	HEMACHANDRA	BSc	VI	B+Ac	Hemachandra
30	RAHUL S	BSc	VI	BTMB	Rahul S
31	ROHAN S V	BSc	VI	BTMB	Rohan S V
32	SANDHYASHREE B S	BSc	VI	BTMB	Sandhyashree B S
33	TEJASWINI M	BSc	VI	BTMB	Tejaswini M
34	VISHWAS P	BSc	VI	BTMB	Vishwas P
35	MANJU K	BSc	VI	BTMB	Manju K
36	MEGHABAI M	BSc	VI	B+Ac	Meghabai M
37	PREKSHA VITTAL	BSc	VI	BTMB	Preksha Vittal
38	PRIYA DEVARU HEGDE	BSc	VI	BTMB	Priya Devaru Hegde
39	SHARANYA K C	BSc	VI	BTMB	Sharanya K C
40	SUMANTH GOWDA K B	BSc	VI	BTMB	Sumanth Gowda K B
41	SUSHMITHA S	BSc	VI	BTMB	Sushmitha S
42	YASHWANTH S N	BSc	VI	BTMB	Yashwanth S N
43	JEEVAN KUMAR	BSc	VI	BTMB	Jeevan Kumar
44	DESHANI	BSc	VI	BTMB	Deshani
45		BSc	VI	BTMB	

Name of Teacher Incharge : Ramya V and Spandana N

Signature of Teacher Incharge:

(Handwritten signatures of Ramya V and Spandana N)

Signature of HOD

(Handwritten signature of HOD)
Head of the Department of BTBM
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Head of the Department of Microbiology
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IISc Field Visit Photos

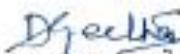





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