

**Mahajana Education Society ®
Education to Excel**

**SBRR Mahajana First Grade College (Autonomous)
Jayalakshmipuram, Mysuru – 570 012 Karnataka, INDIA**

Affiliated to University of Mysore

Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence

Date: 26/02/2024

Department of Biochemistry

Report on

“Open Day-2024 of Indian Institute of Science”, Bengaluru

On account of the Science Day celebration and as a part of experiential 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 Ramya from the Department of Biochemistry and Ms Spandana N from the Microbiology Department of 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 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, Biochemistry, Microbiology, Nano-science, Neuroscience, 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.

Students started visiting the biological sciences section initially, which included various branches of biology. First, we visited the Department of Biology and Genetics where students observed developmental genetics using model organisms, models related to Genetic engineering tools, posters

of microbes in insects and other various models. Students were excited to watch preserved organs of the neuro system like the brain and the demo experiments presented by the research scholars of the Neuroscience department.

Furthermore, students visited departments of Biochemistry, Microbiology, Ecological sciences and cell biology, where students observed demonstrations of sophisticated equipment used in experiments related to techniques, various working and static models such as cell structure, the central dogma of molecular biology, chromatographic techniques, skeletal muscle contraction, drug delivery, DNA repair mechanism, DNA replication, homologous recombination of DNA, multi-neuron model, embryonic developmental stages, microscopic view of aged cells, the effect of vaccines on the life cycle of zebrafish, the lytic and lysogenic cycle of the organism, endometriosis model and so on

The interactive sessions facilitated engaging discussions between students and faculty members, enriching their understanding of complex scientific concepts. The exposure to working models and experiments sparked curiosity among students and instilled a sense of appreciation for scientific exploration.

Students not only had an interaction with the faculties and research scholars but also were made completely engaged at each level of visit with many puzzles, biological puzzle maze, crossword puzzles, games like RNA raiders, decoding activities based on science and so on where students actively participated by applying the knowledge of science and enjoyed it to the core.

The visit concluded with a debriefing session, during which students reflected on their experiences and shared their impressions. Faculties and Research Scholars also invited the students to carry out projects in the centre by utilising facilities available in the centre, this motivated the students for the future to carry out research/ project work. Many expressed newfound enthusiasm for pursuing research careers and highlighted the invaluable insights gained from the visit to IISc.

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 experiential learning. The exposure to world-class research facilities and interactions with esteemed faculty members has undoubtedly left a lasting impression on the students, inspiring them to aspire for excellence in the field of science and technology. The visit was very beneficial for the students as they were exposed to new techniques and gained knowledge of various concepts of biological sciences which covered practical demonstration.

This industrial visit not only served as a platform for academic enrichment but also fostered a spirit of inquiry, innovation, and collaboration among students. It is hoped that the insights gained from this experience will propel students towards future endeavours in research and contribute to the advancement of scientific knowledge. Students were thankful to the Principal, Management and the Department of Biochemistry, SBRR Mahajana First Grade College (Autonomous), Mysuru-12 for organizing this educational visit.


Dr. B. R. Jayakumari


PRINCIPAL

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Mahajana First Grade College (Autonomous)
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IQAC Coordinator

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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	CHETHAN P	BSc	VI	BCMB	Chethan P
29	HEMACHANDRA	BSc	VI	B+BC	Hemachandra
30	RAHUL S	BSc	VI	B+BM	Rahul S
31	ROHAN S V	BSc	VI	B+MB	Rohan S V
32	SANDHYASHREE B S	BSc	VI	BCMB	Sandhyashree B S
33	TEJASWINI M.	BSc	VI	B+BM	ABSENCE
34	VISHWAS P	BSc	VI	B+BM	Vishwas P
35	MANJU K	BSc	VI	B+BM	Manju K
36	MEGHABAI M	BSc	VI	B+MB	ABSENCE
37	PREKSHA VITTAL	BSc	VI	B+MB	Preksha Vittal
38	PRIYA DEVARU HEGDE	BSc	VI	B+MB	Priya Hegde
39	SHARANYA K C	BSc	VI	B+MB	Sharanya K C
40	SUMANTH GOWDA K B	BSc	VI	B+MB	Sumanth Gowda K B
41	SUSHMITHA S	BSc	VI	B+MB	Sushmitha S
42	YASHWANTH S N	BSc	VI	B+BM	Yashwanth S N
43	JEEVAN KUMAR	BSc	VI	B+BM	Jeevan Kumar
44	DISHANI.	BSc	VI	B+BM	Dishani
45		BSc	VI	B+BM	

PRINCIPAL

Dr. Bhagyalakshmanappa Rallehalli Ramappa
Mahajana First Grade College (Autonomous)
Jayalakshmpuram, Mysuru-570 012

Name of Teacher Incharge : Ramya V and Spandana N

Signature of Teacher Incharge:

Signature of HOD

Head of the Department of Biochemistry
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VISIT TO IISC – Bangalore



