

REF: MSRCASC/MB/2023-2024/

Date: 25.04.2024

## CIRCULAR

### DEPARTMENT OF MICROBIOLOGY

**Guest Lecture on:**

**“Principles and Applications of Spectroscopy”**

This is to inform all I and II year BSc students of M. S. Ramaiah College of Arts, Science and Commerce that Department of Microbiology under DBT Star College Scheme is organizing a guest lecture on the topic **“Principles and Applications of Spectroscopy”** by **“Dr. Sudeeksha”** - application Scientist, Head-Application and Business Support (Life Sciences), HORIBA India Pvt. Ltd., Bangalore, on 30<sup>th</sup> April 2024

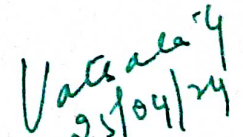
**Time:** 02:30 pm to 04.30pm

**Venue:** Dr. Mother Theresa Auditorium.

  
25/4/24  
**HOD**

  
25/4/24  
**Vice Principal**

  
25/4  
**Registrar (Academics)**

  
25/04/24  
**Principal**

M. S. Ramaiah College of Arts, Science & Commerce  
MSRIT Post, MSR Nagar  
Bangalore - 560 054

**Department of Microbiology**  
**Organizes**  
**Guest Lecture**  
**On**  
**Principle & Applications of Spectroscopy**

**Dr. Sudeeksha H C**

Application Scientist, Head-  
Application  
and Business Support (Life Sciences),  
HORIBA India Pvt. Ltd. Bangalore



**Objectives:**

- The primary objective of a guest lecture is to share knowledge, expertise, or insights on a topic.
- To provide valuable information to the audience, enhancing their understanding of the topic

**Outcome:**

- The lecture will encourage critical thinking and analytical skills among students
- Motivate students to explore research in future and pursue related interests.

**Date: 30<sup>th</sup> April 2024**

**Time: 3:00pm to 4:30pm**

**Venue: Mother Theresa Auditorium**

**Head of the Department**  
Mrs. Soumya S Shanbhag

**Vice Principal**  
Dr. Pushpa H

**Principal**  
Dr. Vatsala G

**Coordinator: Dr. Vemula Vani,**  
Associate Professor, Dept. of Microbiology, MSRCASCA

**DEPARTMENT OF MICROBIOLOGY**

**REPORT ON GUEST LECTURE**

**Title: Guest Lecture on “Principle & Applications of Spectroscopy”**

**Date: 30<sup>th</sup> April 2024**

**Venue: Mother Theresa Auditorium**

**Participants: I and II Year BSc students**

**Resource Persons:**

**Dr. Sudeeksha HC**

Application Scientist, Head-Application and Business Support (Life Sciences), HORIBA India Pvt. Ltd. Bangalore

**No. of Participants: 99**

**Objective:**

- **The primary objective of a guest lecture is to share knowledge, expertise, or insights on a topic.**
- **To provide valuable information to the audience, enhancing their understanding of the topic.**
- **To provide networking opportunities for students. Interacting with professionals in various fields can help students build connections that may be valuable for internships, job opportunities, or further education.**
- **To introduce students to the fundamental principles of spectroscopy.**
- **To explore different spectroscopic techniques and their applications in chemistry, physics, and other fields.**
- **To inspire students to pursue further study or research in spectroscopy-related areas.**

On 30<sup>th</sup> April 2024, Department of Microbiology, MSRCASC hosted a guest lecture on “Principle and Applications of Spectroscopy” delivered by Dr. Sudeeksha H C, an esteemed professional with over a decade of experience in the field of spectroscopy for I and II-year BSc

students. Ninety-nine students from I and II-year B. Sc., participated in the event. The lecture aimed to provide students with basic principles and applications of spectroscopy.

The lecture was started by providing an overview of spectroscopy, emphasizing its role in analysing the interaction between matter and electromagnetic radiation. He elucidated the principles behind various spectroscopic methods, including fluorescence, phosphorescence, and Raman spectroscopy.

Throughout the lecture, Dr. Sudeeksha presented case studies and examples to illustrate the wide-ranging applications of spectroscopy in diverse fields such as organic chemistry, materials science, environmental analysis, and biomedical research. He also discussed recent advances in spectroscopic instrumentation and data analysis techniques, showcasing the evolving landscape of spectroscopic research.

The interactive session allowed students to engage with Dr. Sudeeksha H C, asking questions and sharing their perspectives about Raman spectroscopy and instrumentation. The audience response to the lecture was overwhelmingly positive, with students actively participating in discussions and expressing enthusiasm for learning spectroscopy and instrumentation in their future careers.

The guest lecture had a significant impact on students' appreciation for spectroscopy as a powerful analytical tool. It deepened their understanding of the underlying principles and broadened their awareness of the diverse applications of spectroscopic techniques in research and industry settings.

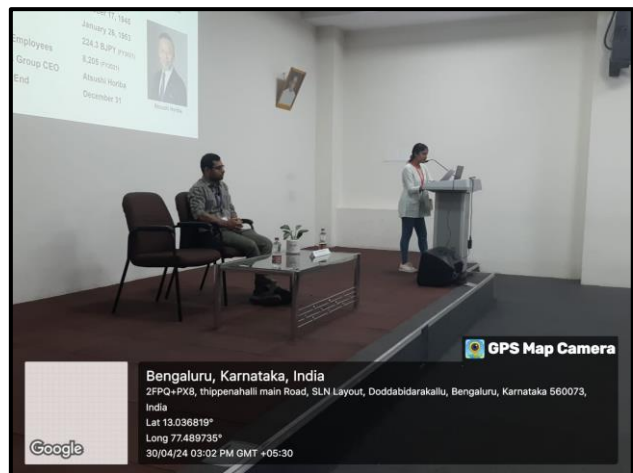
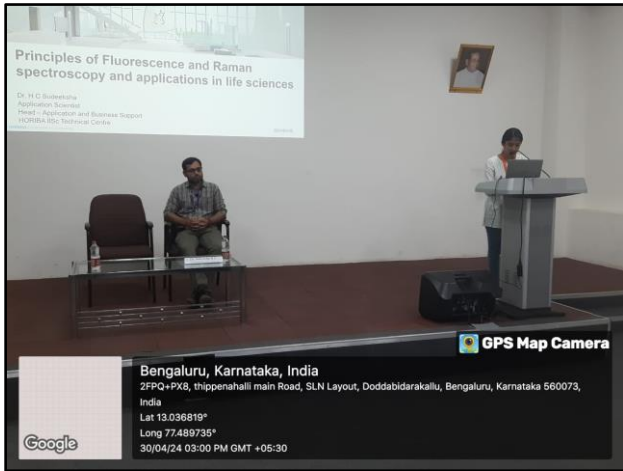
We extend our sincere gratitude to Dr. Sudeeksha H C for his informative and engaging lecture, as well as Mr. Suresh Kumar, National Business Manager, HORIBA India Pvt. Ltd. A Special thanks to all the students and the faculty members who participated in making the guest lecture a memorable experience.

**Outcome:**

This guest lecture sparked interest and curiosity among the students and highlighted the relevance of spectroscopy in advancing scientific knowledge and addressing real-world challenges.



## Glimpse of the event















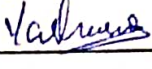
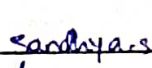
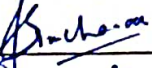
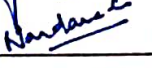




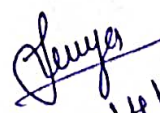
**DEPARTMENT OF MICROBIOLOGY**  
**ATTENDANCE FOR GUEST LECTURE**  
**30TH APRIL 2024**

SL. NO.	NAME OF THE STUDENT	REGISTRATION NUMBER	SIGANTURE	FEEDBACK (5- EXCELLENT, 4-VERY GOOD, 3-GOOD, 2-SATISFACTORY, 1- POOR)
1	SANDYA SONE	U18EV2350171	<i>Ajmer</i>	Excellent
2	RUCHI SRIVASTAVA	U18EV2350012	<i>Ruchi</i>	Satisfactory
3	YUKTHA L	U18EV2250369	<i>Y/L</i>	Very good
4	M.N. BHAVANA	U18EV2250101	<i>Bhavana</i>	Good & Informative
5	MANDARA . K	U18EV2250099	<i>Mandara</i>	Good
6	SNIGDHA . A	U18EV2250097	<i>Snigdha</i>	Very good

*Ajmer*  
 30/4/24

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SL. NO.	NAME OF THE STUDENT	REGISTRATION NUMBER	SIGNATURE	FEEDBACK (5-EXCELLENT, 4-VERY GOOD, 3-GOOD, 2-SATISFACTORY, 1-POOR)
01	Varsha . M	U18EV2350146		Very good
02	Priyanka S	U18EV2350175		very good
03	Yashawini UM	U18EV2350050		Very good
04	Sandhya S	U18EV2350173		Very good
05	Sinchana K	U18EV2250152		very good
06	Nandana G	U18EV2250003		very good
07	Swapna Sahoo	U18EV2250294		very good
08	Neha Kiran	U18EV2250228		Very good.

  
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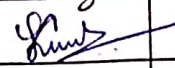

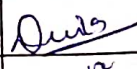

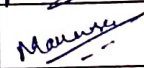











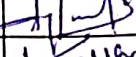

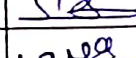

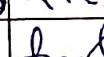


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1.	Chinmaye B.M	U18EV23S0047		4
2.	K.Amoolya	U18EV23S0386	Amoolya	4.
3.	Sandeep Kumar Behera	U18EV22S0116		5
4.	DEEKSHA.B.M	U18EV22S0270		5
5.	BARSHA SARKAR	U18EV22S0115	Barsha	5
6.	DEVIKA SANTOSH	U18EV22S0272		4.
7.	RAMYA.N.MURTHY	U18EV22S0305	Ramya Murthy	4
8.	Keerthana.S	U18EV22S0358		5
9.	Manasa.V	U18EV22S0292		5

  
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1)	Tanishka Dewangan	U18EV2250392		Excellent
2)	Tanishala Chakraborty	U18EV2250284		Excellent.
3)	Angel Immanuelis	U18EV2250385		quite informative
4)	Ananya Bharadwaj	U18EV2250273		Very Good.
5)	Yazhini S	U18EV2250279		Awesome
6)	Laya N	U18EV2250221		very good
7)	Hanumaha	U18EV2250096		Good
8)	Anusha R	U18EV225095		Very good.
9)	Akhitha Prakash	U18EV2250262		Peaceful.

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30/4/24



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1.	S. ABINEHA	U18EV2250260	S. Abiha	EXCELLENT
2	Aanya Anu kumar	U18EV2250376	Aanya	EXCELLENT
3.	Swathi K	U18EV2250307	Swathi	EXCELLENT
4	Chandni Gupta	U18EV2280387	Chandni	EXCELLENT.
5	Nikitha Ajith	U18EV2250117	Nikitha	EXCELLENT
6	DAISY DOMINIC	U18EV2250553	Daisy Dominic	EXCELLENT
7	Agnishwar Das	U18EV2350109	Agnishwar	"
8.	Alvin .B. George	U18EV2350005	Alvin	"
9.	Lakmi shama	U18EV2350032	Lakmi	"
10	Megha .A	U18EV2350222	Megha	"
11	Tannu kumar	U18EV2350999	Tannu	"

*Chungu*  
30/4/24

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1.	Mafsa H.S	U18EV22S0261	<i>Mafsa H.S</i>	very good
2.	Mohammed Zain	U18EV22S0208	<i>M.Zain</i>	3
3.	Saptashee Das	U18EV22S0300	<i>S.Das</i>	2.
④	Bhadra K M	U18EV23S0106	<i>B.K.M</i>	④
5	Annab Saha	U18EV22S0155	<i>A.Saha</i>	3
6.	Sidharth S	U18EV22S0169	<i>S.Sidharth</i>	3
7.	K. Anuragh	U18EV22S0293	<i>K.A.</i>	3
8.	K.K. Sindya	U18EV22S0310	<i>K.K.Sindya</i>	⑤
9.	Hastha D	U18EV22S0168	<i>H.D</i>	⑤
10 -	Lakshmi Sranya	U18EV22S0282	<i>L.Sranya</i>	4

*Sindya*  
30/4/24



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1.	S. ABINEHA	U18EV22S0260	S. Abiha	EXCELLENT
2	Aiya Anu kumar	U18EV22S0376	<del>Abiha</del>	EXCELLENT
3.	Swathi K	U18EV22S0307	Swathi	EXCELLENT
4.	Chandni Gupta	U18EV22S0389	Chandni	EXCELLENT.
5	Nikitha Ajith	U18EV22S0117	Nikitha	EXCELLENT?
6	DAISY DOMINIC	U18EV22S0453	Daisy Dominic	EXCELLENT.
7	Agnishwar Das	U18EV23S0109	Agnishwar	"
8.	Alvin B. George	U18EV23S0005	Alvin	"
9.	Laxmi shama	U18EV23S0032	Laxmi	"
10	Megha A	U18EV23S023	Megha	"
11	Tanvi Kumar	U18EV23S0399	Tanvi	"

*Shweta*  
30/4/24