



RAMAIAH

College of Arts, Science &
Commerce

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M S Ramaiah College of Arts, Science and Commerce
Re-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru City University.
Approved by Government of Karnataka, Approved by AICTE, New Delhi,
Recognized by UGC under 2f & 12B of UGC act 1956

Ref. No: MSRCASC/Chemistry (Organic)-PG/2023-24

Date: 4th February 2024

CIRCULAR

Department of Post Graduate studies in Chemistry

Industrial Visit

We are pleased to inform you that Department of Post Graduate studies in Chemistry (organic specialization) of M S Ramaiah College of Arts, Science and Commerce, MSRIT Post, MSR Nagara, Mattikere, Bangalore-560054 is Organizing Industrial Visit & Interactive session on Quality control- Instrumentation and Job opportunity in Industry and skill enhancement at Shriram Institute for Industrial Research, White field, Bengaluru on 6th February 2024

All the M Sc – Chemistry (specialization in organic Chemistry) students are requested to attend the same.

Event Co – Ordinator:

Dr. Hareesh Kumar P

HOD – Dr. Surendra A S

Vice – Principal – Dr. Pushpa H

Principal

Principal,

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



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Dated: 15th February 2024

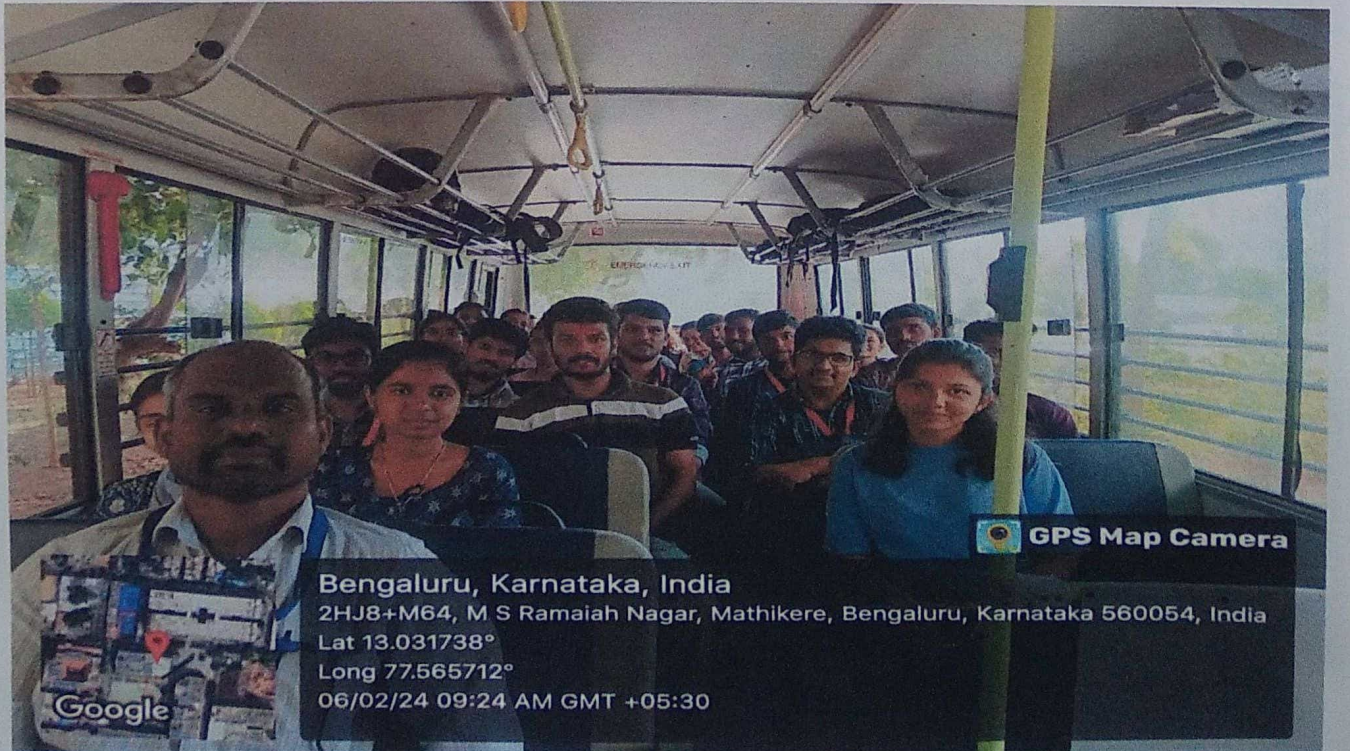
REPORT ON VISIT TO SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH,

Number students: 36

About Shriram Institute for Industrial Research: Shriram Institute for Industrial Research (SRI) is an independent, not-for-profit multidisciplinary contract research institute that conducts research and development in various fields of science and technology. It was founded in 1950 by Sir Shriram, a leading industrialist of his time. SRI has branches in Delhi, Bengaluru, and Gurugram, and offers analytical and R&D services to industries, government agencies, and other organizations. SRI is recognized by DSIR and other government agencies, and has accreditations from QCI-NABL, BIS, DNV, and ISO. SRI also provides career opportunities for research scientists and technologists in various domains such as material sciences, environment sciences, bio-sciences, analytical sciences, polymers, civil engineering, renewable energy sciences, toxicology, etc

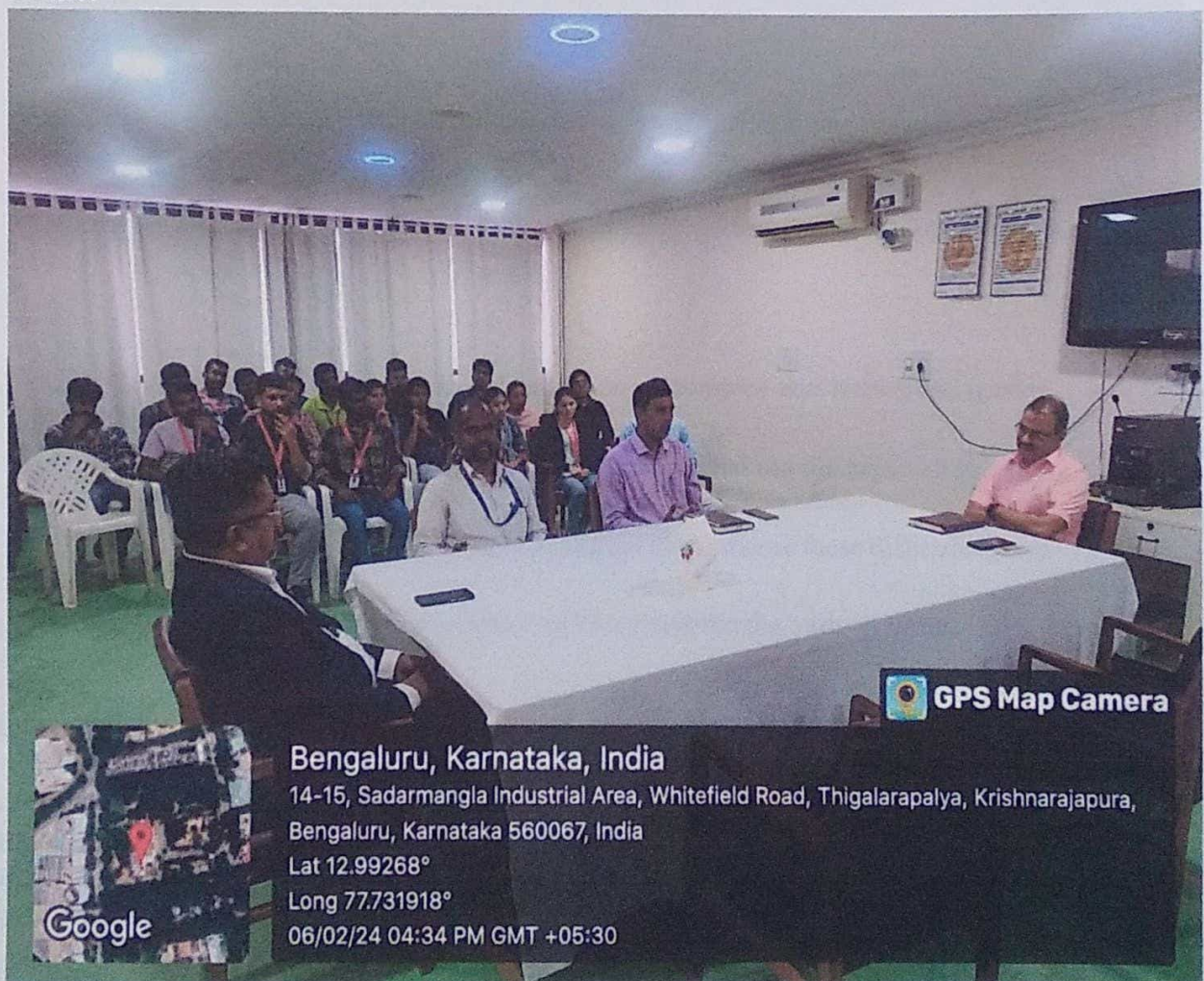
Department of Chemistry of M S Ramaiah College of Arts Science and Commerce has organized an educational Industrial visit for M. Sc Chemistry (specialization in organic chemistry) of I & III Semester students on 6th February 2024 to Shriram Institute for Industrial Research located in White field Bengaluru-560067 as an enrichment program and to get knowledge about Today's science and Technology to face future end over Job role.

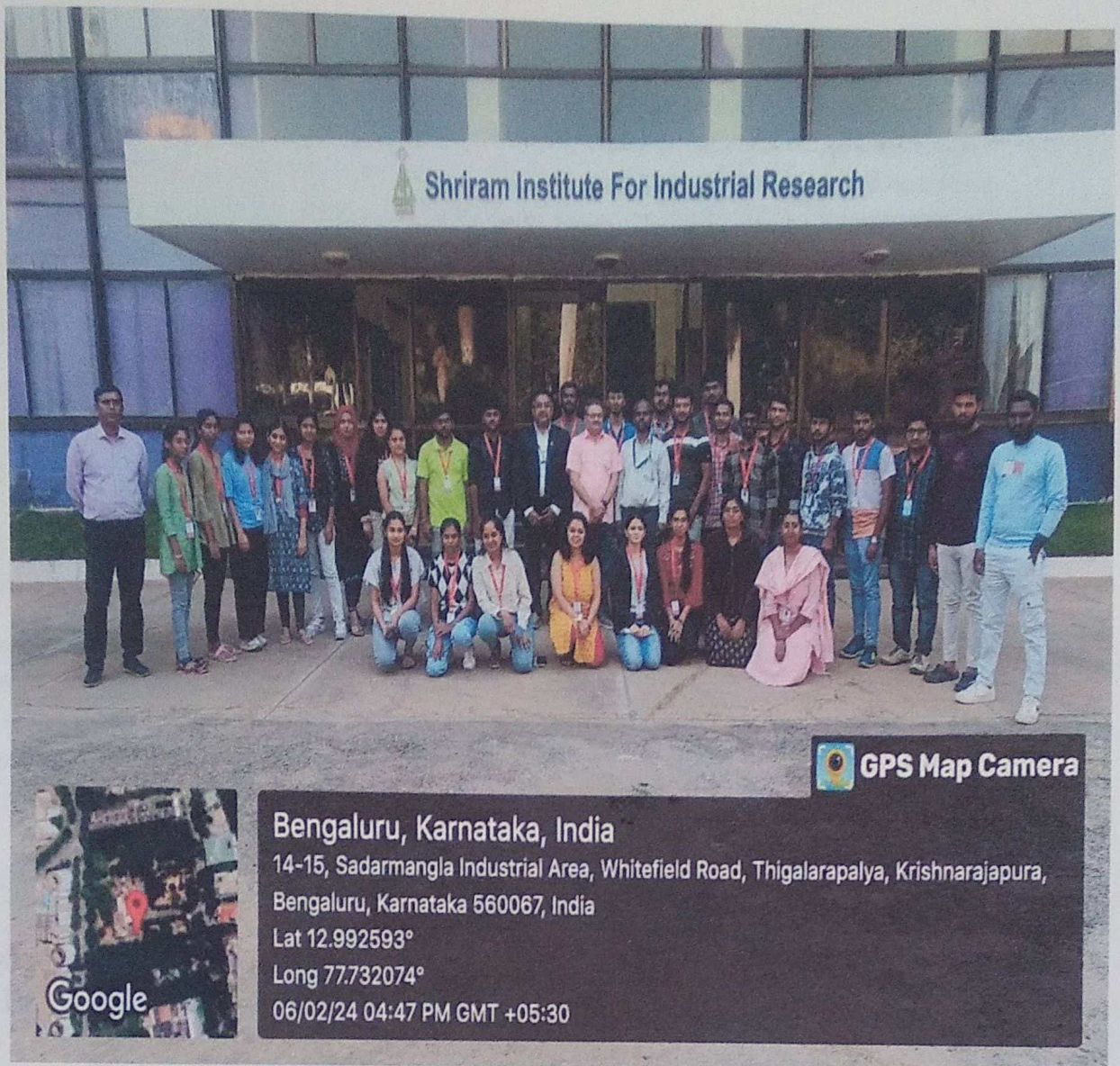
We all started from the college campus at 9:24 am and Principal granted avail transport facility that is bus for students and faculties.



The travelling took almost 90 minutes to reach destination and during the time of travelling the students were enjoying a lot and the faculty who was giving instructions and advise do's and don'ts and the faculty namely **Dr. Hareesh Kumar P**, with us. Finally, we reached Shriram Institute for Industrial Research at 10.55 am, the place was very cool and clean with instruments. Everyone will be having interest to do a job in this type of location.

- we were soon accommodated in the conference room .we were briefed by the Director of the Institute and Divisional Head and Scientist in charge about the history of Shriram institute .Further he gave an overview about the different labs in the industry .
- The visit was mainly focused on to understand the procedure, technology and equipment's used in the industry.
- Students were split into two group, we visited to different laboratory in the industry.
- The Scientist in-charge of each lab explained about the facilities available inside the center their method of collecting the sample which as to tested for the quality.
- In drug and pharma labs we had learnt about how the drug will be tested at various stages of production to proceed to the next stage.
- And we had visited to other labs such as paints metals minerals lab, petroleum and pesticides lab, rubber and plastic lab and microbiology lab.
- In each lab we got many information related to what are the standard protocols they will follow for quality testing and what are the products been tested in each lab etc. but microbiology lab was found to be interesting their we got an overview of the biosafety cabinet





- The technology and equipment used for collection of samples and testing the quality was made familiar.
- The various process involved in testing the sample and what are the protocol as to be followed was explained.
- Discussion on difficulties faced and possible solution to overcome these difficulties was explained.

Finally, we got a good exposure about the industry and we explored the various things in industry environment

The employees or technicians of industry are explained in explicit manner of standard operating system of the analysis process. Further, they provided hands on experience to our students in sample preparation, calibration, method selection & validation, sample analysis for assay/purity, sample analysis for identification, analysis interpretation and documentation in addition to instrumentation of Gass chromatography and High -performance liquid chromatography.

Karl Fischer instrument and wet analysis area where we saw how the industry tests its products to ensure that they meet the required standards. The lab had advanced equipment and was managed by highly skilled technicians who were able to explain the various tests being carried out.

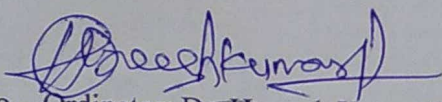
Conclusion:

Industrial visit of Shriram Institute for Industrial Research was an enlightening experience for all M Sc- Chemistry students of MSRCASC. We got exposure of role of quality control department in the process of analysis and maintaining the quality of product standard operating process and the role of quality control department in ensuring purity of the intermediate or finished product that is the quality control measures, and the disposal of residual waste and its management. The visit helped us to gain practical knowledge and insights into the chemical & Biological industry.

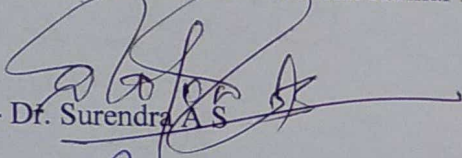
- Establishment of linkages with industry like Shriram Institute for Industrial Research
- Students gained the opportunity to do Job after completion of their course, can also do graduate training, projects of college and many more

this visit was very useful for us to know how the analysis of samples and their related different departmental duties

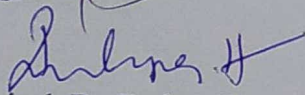
This type of visit is useful for internship, to gain analytical knowledge, R & D Research in Chemistry and our students gained the certificate for their attending and their experience learning in quality control- instrumentation – GC & HPLC, GC-MS, LC-MS, Food analysis, Microbial assays etc



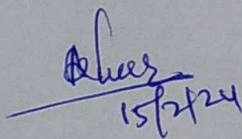
Event Co – Ordinator: Dr. Hareesh Kumar P



Head- Dr. Surendra A S



Vice – Principal: Dr. Pushpa H


15/2/24

Vatsala
16/2/24

Principal
Principal,

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



Shriram Institute For Industrial Research

(A Unit of Shriram Scientific and Industrial Research Foundation)

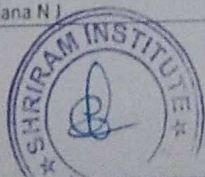
Date: 06/02/2024

Certificate of Participation Industrial Visit

This is to certify that the following students of M S Ramaiah College of Arts, Science and Commerce of M Sc - Organic Chemistry Specialized students participated in Industrial visit and attended seminar on quality control (Instrumentation) and Seminar topic included- Sample preparation, Method selection, Sample analysis for identification, Assay or Purity or Interpretation and Documentation in addition their visit our esteemed organization.

List of M.Sc. - Chemistry students are as follows

Register Number	NAME	Course & Semester
P18EV22S032001	YATHISH GOWDA K S	M Sc - Chemistry III Semester
P18EV22S032002	PREMKUMAR K	M Sc - Chemistry III Semester
P18EV22S032003	NAVEEN KUMAR R	M Sc - Chemistry III Semester
P18EV22S032004	G. DEEKSHITHA	M Sc - Chemistry III Semester
P18EV22S032005	AKHILA S	M Sc - Chemistry III Semester
P18EV22S032006	AKSHAY KUMAR V	M Sc - Chemistry III Semester
P18EV22S032007	AYESHA SIDDIQUA D	M Sc - Chemistry III Semester
P18EV22S032009	SNEHA	M Sc - Chemistry III Semester
P18EV22S032011	LOHITH H S	M Sc - Chemistry III Semester
P18EV22S032012	SINCHANA K P	M Sc - Chemistry III Semester
P18EV22S032013	SUNDAR PAVAN	M Sc - Chemistry III Semester
P18EV22S032016	RESHMA BAI H L	M Sc - Chemistry III Semester
P18EV22S032017	NANDEESHA K N	M Sc - Chemistry III Semester
P18EV22S032018	DHARSHAN K	M Sc - Chemistry III Semester
P18EV22S032019	ANAND B	M Sc - Chemistry III Semester
P18EV22S032020	MAHESH B V	M Sc - Chemistry III Semester
P18EV22S032022	NIVEDITA VINOD K	M Sc - Chemistry III Semester
P18EV22S032023	RAJESWARI M	M Sc - Chemistry III Semester
P18EV23S032001	Sujith K P	M Sc - Chemistry I Semester
P18EV23S032002	Shambu Basavaraj Telagi	M Sc - Chemistry I Semester
P18EV23S032003	Mangalagowri S A	M Sc - Chemistry I Semester
P18EV23S032004	Nethravathi K N	M Sc - Chemistry I Semester
P18EV23S032005	Kounain	M Sc - Chemistry I Semester
P18EV23S032006	Sahana P	M Sc - Chemistry I Semester
P18EV23S032007	Geethashree P M	M Sc - Chemistry I Semester
P18EV23S032008	Ramitha E Singh	M Sc - Chemistry I Semester
P18EV23S032009	Apoorva S O	M Sc - Chemistry I Semester
P18EV23S032010	Muniraju R	M Sc - Chemistry I Semester
P18EV23S032012	Ananya S S	M Sc - Chemistry I Semester
P18EV23S032013	Abhinandan K V	M Sc - Chemistry I Semester
P18EV23S032014	Tarun Y	M Sc - Chemistry I Semester
P18EV23S032015	B H Shreya	M Sc - Chemistry I Semester
P18EV23S032016	Chandrakala P C	M Sc - Chemistry I Semester
P18EV23S032017	Pallavi N	M Sc - Chemistry I Semester
P18EV23S032018	K Bollurappa	M Sc - Chemistry I Semester
P18EV23S032019	Chandana N J	M Sc - Chemistry I Semester



Chandrasekhar K. N.
06/02/2024
Authorized Signatory
Dr. K. N. CHANDRASEKHARA

Sr. Scientist

Delhi Office : 19, University Road, Delhi-110007, India

Tel.: 011-27000100, 27667267, 27667860 Fax : 91-11-27667207 Email : info@shriraminstitute.org

Branch Office : Plot No. 14-15, Sadaramangala Industrial Area, Whitefield Road, Bengaluru-560048
Tel.: 080-35000500, 28410165/66/67/72 Fax : 91-80-28410189 Email : info@shriraminstitute-blr.org

Visit us at : www.shriraminstitute.org

List of M Sc – Chemistry students and their signature for participating in industry visit.

S.No	Register Number	NAME	Signature of the student
1	P18EV22S032001	YATHISH GOWDA K S	<i>[Signature]</i>
2	P18EV22S032002	PREMKUMAR K	<i>[Signature]</i>
3	P18EV22S032003	NAVEEN KUMAR R	<i>[Signature]</i>
4	P18EV22S032004	G. DEEKSHITHA	<i>[Signature]</i>
5	P18EV22S032005	AKHILA S	<i>[Signature]</i>
6	P18EV22S032006	AKSHAY KUMAR V	<i>[Signature]</i>
7	P18EV22S032007	AYESHA SIDDIQUA D	<i>[Signature]</i>
8	P18EV22S032009	SNEHA	<i>[Signature]</i>
9	P18EV22S032011	LOHITH H S	<i>[Signature]</i>
10	P18EV22S032012	SINCHANA K P	<i>[Signature]</i>
11	P18EV22S032013	SUNDAR PAVAN	<i>[Signature]</i>
12	P18EV22S032016	RESHMA BAI H L	<i>[Signature]</i>
13	P18EV22S032017	NANDEESHA K N	<i>[Signature]</i>
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15	P18EV22S032019	ANAND B	<i>[Signature]</i>
16	P18EV22S032020	MAHESH B V	<i>[Signature]</i>
17	P18EV22S032022	NIVEDITA VINOD K	<i>[Signature]</i>
18	P18EV22S032023	RAJESWARI M	<i>[Signature]</i>
19	P18EV23S032001	Sujith K P	<i>[Signature]</i>
20	P18EV23S032002	Shambu Basavaraj Telagi	<i>[Signature]</i>
21	P18EV23S032003	Mangalagowri S A	<i>[Signature]</i>
22	P18EV23S032004	Nethravathi K N	<i>[Signature]</i>
23	P18EV23S032005	Kounain	<i>[Signature]</i>
24	P18EV23S032006	Sahana P	<i>[Signature]</i>
25	P18EV23S032007	Geethashree P M	<i>[Signature]</i>
26	P18EV23S032008	Ramitha E Singh	<i>[Signature]</i>
27	P18EV23S032009	Apoorva S O	<i>[Signature]</i>
28	P18EV23S032010	Muniraju R	<i>[Signature]</i>
29	P18EV23S032012	Ananya S S	<i>[Signature]</i>
30	P18EV23S032013	Abhinandan K V	<i>[Signature]</i>
31	P18EV23S032014	Tarun Y	<i>[Signature]</i>
32	P18EV23S032015	B H Shreya	<i>[Signature]</i>
33	P18EV23S032016	Chandrakala P C	<i>[Signature]</i>
34	P18EV23S032017	Pallavi N	<i>[Signature]</i>
35	P18EV23S032018	K Bollurappa	<i>[Signature]</i>
36	P18EV23S032019	Chandana N J	<i>[Signature]</i>

FW: Seeking permission for our M Sc - Chemistry & M Sc - Biochemistry student to visit your esteemed organization

3 messages

Dr.K.N.Chandrashekar <knc@shriraminate-blr.org>
To: hareesh_chem@msrcasc.edu.in
Cc: kd@shriraminate-blr.org, hr@shriraminate-blr.org

Wed, Dec 13, 2023 at 11:15 AM

Dear Dr. Hareesh Kumar . P.

Our Divisional Head has given consent for your M.Sc –Chemistry and M.Sc-Biochemistry students visit to Shriram Institute for Industrial visit after 20/12/2023 on words.

We wish to inform that, each student will be charges INR 500/- + GST applicable (Which includes tea/coffee/snacks and working lunch). Please free to contact me if any assistance required.

Thanks & Regards,

Dr. K. N. Chandrashekara

Senior Scientist (R&D and Plant Tissue Culture)

Shriram Institute for Industrial Research

(A Unit of Shriram Scientific & Industrial Research Foundation)

Plot # 14/15, Sadaramangala Industrial Area

Whitefield Road, Bangalore 560048, Karnataka, India

www.shriraminate.org

Mobile: 9442982529

From: DR.HAREESH KUMAR P [mailto:hareesh_chem@msrcasc.edu.in]

Sent: 12 December 2023 10:19

To: Datta

Subject: Seeking permission for our M Sc - Chemistry & M Sc - Biochemistry student to visit your esteemed organization

Respected Sir,

with respect to the above subject, am request you, kindly grant permission to visit your esteemed organization to our **// year M Sc - chemistry - Organic and M Sc - Biochemistry students -around 34 numbers**, In this regard, please give one or two tentative dates in the **coming days** to visit your esteemed organization.

Kindly, consider our request favorably

Thank you

Yours Sincerely

Dr. Hareesh Kumar P

Department of Chemistry

DR.HAREESH KUMAR P <hareesh_chem@msrcasc.edu.in>

Tue, Jan 30, 2024 at 11:23 AM

To: "Dr.K.N.Chandrashekar" <knc@shriraminate-blr.org>

Dear Dr. K N Chandrashekar

Thank you very much for permission and we are very happy to visit your esteemed organization but our students are seeking a discount in charges. In this connection, I request you to give a discount because this amount is going to be paid by the students itself. myself and I & II year M Sc - Chemistry (specialization in organic Chemistry) students (36 number) would like to visit your esteemed organization tentative on 7th February 2024.

Kindly, consider our request favourably and request you to do the needful

Yours Sincerely

Dr. Hareesh Kumar P

Department of Chemistry

[Quoted text hidden]

Dr.K.N.Chandrashekar <knc@shriraminate-blr.org>

Thu, Feb 1, 2024 at 9:27 AM

To: "DR.HAREESH KUMAR P" <hareesh_chem@msrcasc.edu.in>

Dear Dr. Hareesh,

In continuation to our discussion, our management has permitted for your visit on 10,000/- payment (Food not included). If food has to be arranged it will be arranged from catering service whatever actual charges has to be paid by you.

If you visit our Institute on 03/02/2024 coming Saturday it will be fine or you communicate to me.

[Quoted text hidden]