

|| JAI SRI GURUDEV ||



Sri Adichunchanagiri Shikshana Trust (R.)

SRI ADICHUNCHANAGIRI FIRST GRADE COLLEGE

Kuvempu Road, CHANNARAYAPATNA-573116 :: Hassan District

Permanent Affiliated to University of Mysore

Accredited with "B+" Graded by

NAAC

Phone : 08176 252266

Web: www.safgcrpc.org

Email Id: safgcrpc@gmail.com

Date: 22/04/2024

To,

The Dean
Research Centre,
Adichunchanagiri University,
BG Nagar

Respected sir,

Subject: Requesting for permission of students Field Visit to Research centre.

With reference to above subject I would like to bring kind notice to you that Department of Chemistry has planned for field visit as per the syllabus of 6th semester included in the NEP Scheme. We have decided to send 36 students from the department of chemistry along with two faculties from our college to visit your research laboratory and exposure towards instrumentation. So I request you to kindly accept our request and do the needful

Thanking you

*BSc students visited our
toxicity*

R. Anshu

V. Principal

ADICHUNCHANAGIRI SCHOOL OF
NATURAL SCIENCES
BG Nagar-571 448
Nagamangala Tq, Mandya Dist

Your's sincerely

M. Venkatesh M.K

Principal

Sri Adichunchanagiri First Grade College
Channarayapatna

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Date: 22/04/2024

To,
The Director
Department of Molecular Biology & Research Centre,
Adichunchanagiri University,
BG Nagar

Respected sir,

Subject: Requesting for permission of students Field Visit to Research centre.

With reference to above subject I would like to bring kind notice to you that Department of Chemistry has planned for field visit as per the syllabus of 6th semester included in the NEP Scheme. We have decided to send 36 students from the department of chemistry along with two faculties from our college to visit your research laboratory and exposure towards instrumentation in molecular biology. So I request you to kindly accept our request and do the needful

Thanking you

Your's sincerely

Visited AIMM, ACU
S. Sitt


Principal
Sri Adichunchanagiri First Grade College
Channarayana

24.04.24




| Jai Sri Gurudev ||
Adichunchanagiri First Grade College
Channarayapatna
Department of Chemistry

Circular

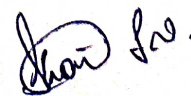
Date: 19-04-2024

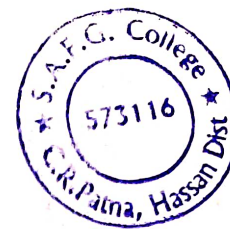
It is hereby informed that the Department of Chemistry organised an Institute visit to Adichunchanagiri Institute for Molecular Medicine and Department of Chemistry as part of the curriculum and career guidance activity exclusively for fifth semester students on 24th April 2024 at 10 am. All students of fifth semester must attend this event and make use of Institute visit and explore to the interdisciplinary studies.


Principal
Sri Adichunchanagiri First Grade College
Channarayapatna


Seal & Signature of the HOD
HOD of Chemistry
SAFG College
Channarayapatna-573116
Hassan Dist







|| Jai Sri Gurudev ||

Sri Adichunchanagiri First Grade College

Channarayapatna-573116

Department of Chemistry

Date: 24.04.2024

Report on field visit to Adichunchanagiri Institute for Molecular Medicine (AIMM) and Department of Chemistry, BG Nagara, Nagamangala

The field visit to the higher education institute was a part of an annual visit conducted by our department. Department of Chemistry organized a field trip to Adichunchanagiri Institute for Molecular Medicine and Department of Chemistry, BG Nagara, Nagamangala on 24th April 2024. Dr. B. N. Chandrashekar, Head of the department of Chemistry took all final year B.Sc Chemistry students to the field visit with the goal of educating everyone regarding the instrumentation and igniting enthusiasm in research. We started our trip at around 10.30 AM on that particular day from the college premise and reached ACU campus at around 11.30 AM.

Objectives of field visit:

In support of the curriculum objectives, the field visits were intended to serve the following objectives:

1. To reinforce experiential and contextual learning.
2. Field trips are a way of enhancing classroom learning by making real world connections.
3. The purpose of the visit was to give career guidance among to the students.
4. To know the scope of interdisciplinary opportunities which lead to unique intellectual discoveries.

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Overview of the Field Visit

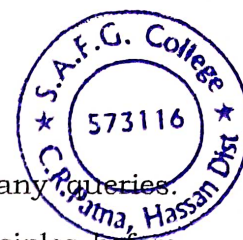
We visited Dr. Shobith Rangappa's cancer research lab and he addressed the present challenges in cancer biology. He mentioned that a notable progress in this field has been made in recent years, there is a need to develop a proper clinical research environment. This includes exposing graduate and postgraduate science students, community physicians and medical college teachers about translation clinical research, and developing adequate infrastructure. He also mentioned that the Indian pharmaceutical industry has made phenomenal growth in the field of generic molecules; they need to invest in the development of new molecules and India centric cancer research. He arranged his Ph.D scholars to explain the instrumentation technique used in his cancer biology work which included Electrophoresis, western blotting and Northern blotting technique, PCR, Laminar air flow, Isolation of components from plants. He also showed a rotary evaporator and other relevant accessories which are used to synthesize cancer drugs in his laboratory.

Then we visited the Chemistry laboratory where we met Dr. Dinesh, Vice-Principal and Dr. Nandeesh, Assistant Professor enthusiastically invited our students to show different instruments and experiments in their laboratory. First, they gave a quick explanation of analytical chemistry and instrumentation which includes XRD, UV-Visible spectrophotometer, FTIR and 3D printing. They explained how each component was dependent on each other. They also discuss the chemistry, operating principles, and operational methods of all the instrumentation.

They then switch to a different instrument, a centrifuge machine. A centrifuge machine is an instrument that employs centrifugal force to separate different fluid constituents. After learning the significance and operation of the


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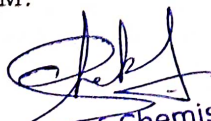


centrifuge, our students were really enthusiastic and asked many queries. Students first learned about separation procedures and their principles before moving on to solvent removal techniques. The most widely used tool for removing solvent from a mixture is the rotary evaporator. Dr. Nandeesh expertly delivered all the information regarding the instrument and demonstrated it by removing hexane and ethyl acetate solution. Its operating principle and procedure are very simple to learn. He described every chromatographic process used in their laboratory in a simple language. Students learn the importance and principle of thin-layer and column chromatography. Additionally, they discussed how to set up a reaction, prepare a reaction mixture, and separate various organic compounds based on polarity in a reaction.

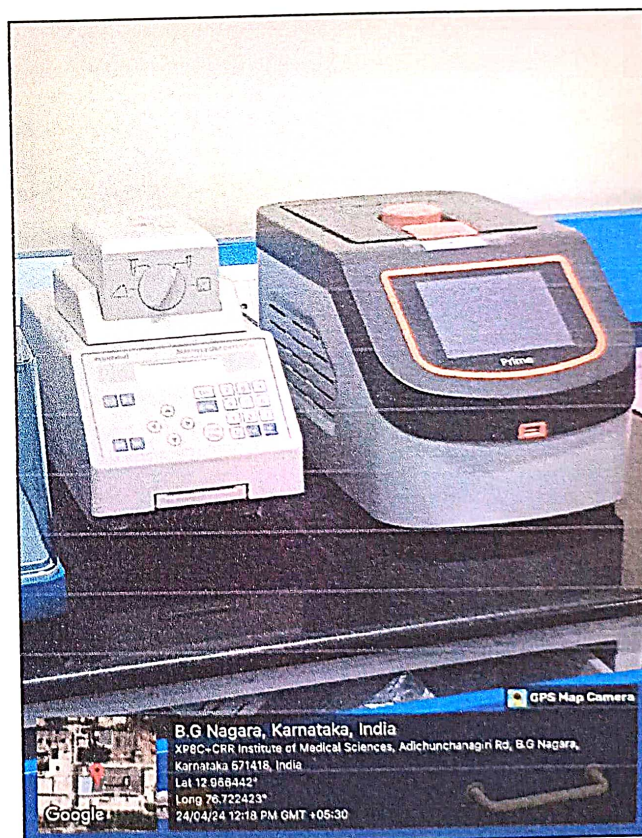
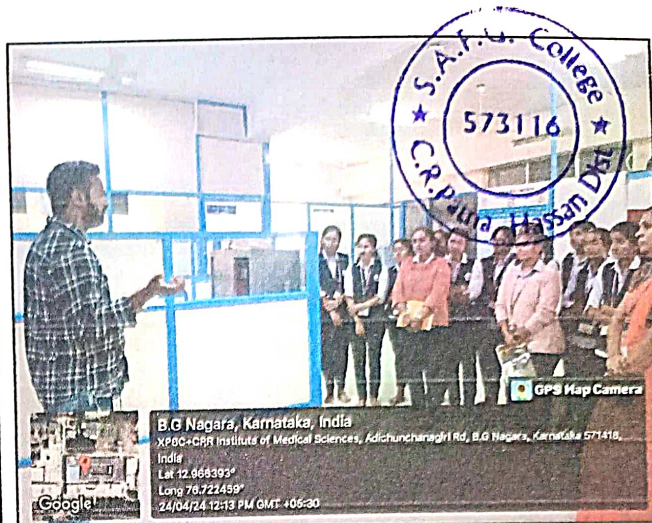
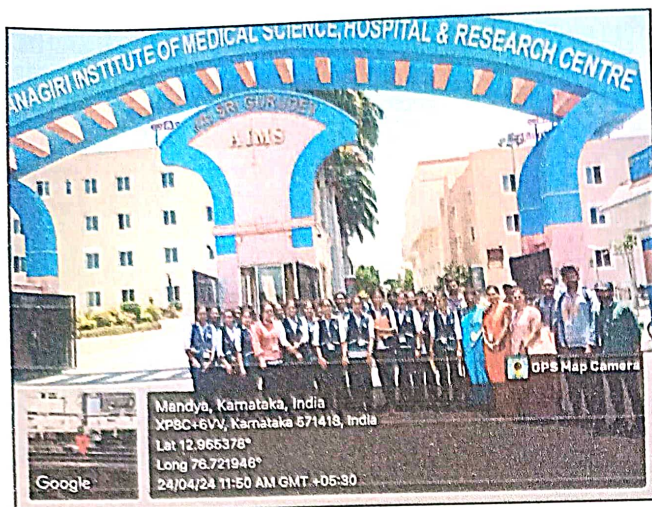
He described to the students how to set up a laboratory and the purpose of various key equipment like hood, oven, shakers, source meter and sonicator etc. He also explained to our students how any reaction can be heated up to 800°C in inert condition using a tube furnace under continuous flow of Nitrogen gas.

After touring the lab, the students were seated for a discussion with Dr. Dinesh. With his engaging voice and charismatic attitude, Dr. Dinesh motivates students during this session. By outlining the possibilities open to chemistry students, he motivates the students to pursue research. Additionally, he inspired the students by going over some basic chemistry concepts. He concluded by wishing everyone for a prosperous future.

When it was finally time for lunch at 3 PM, we headed to the ACU canteen and enjoyed the campus' splendor. Both faculty and students had fun and captured lots of pictures. We returned back to the college grounds at around 4.45 PM.


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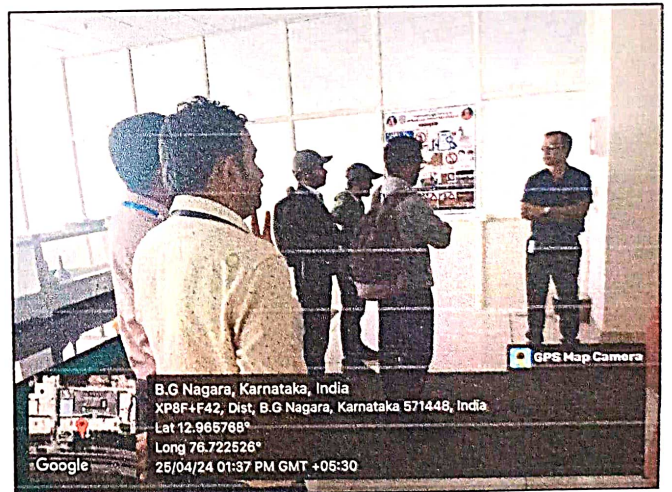
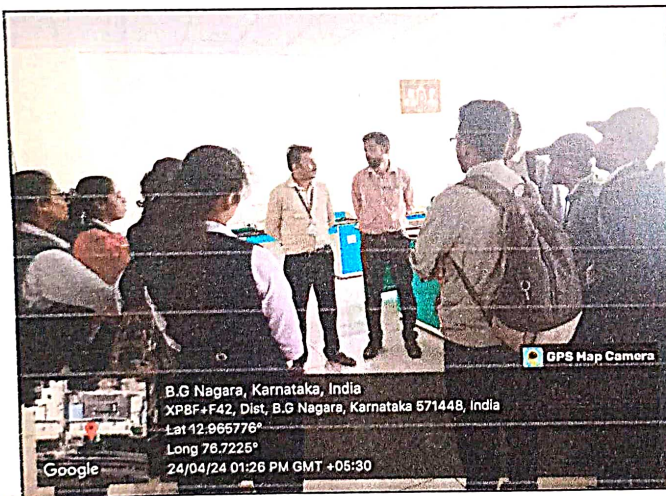
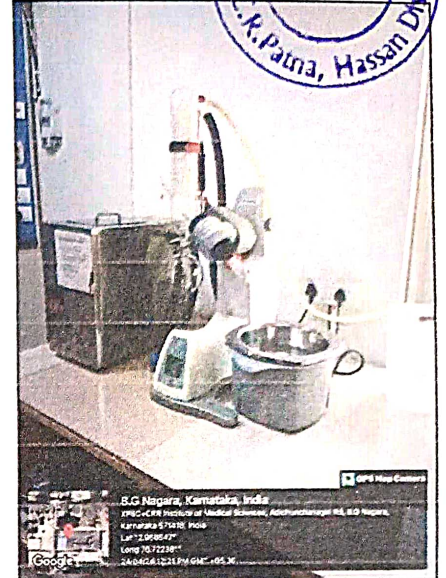
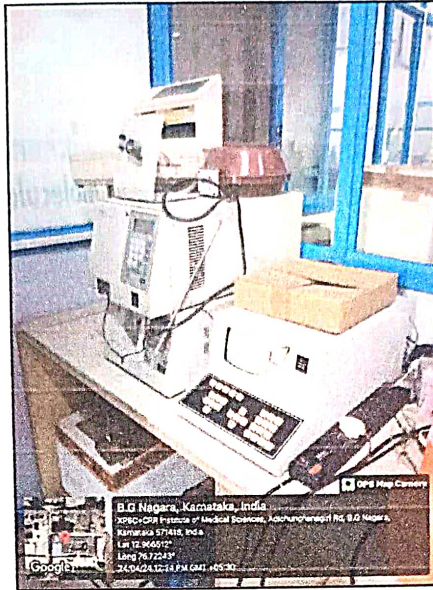
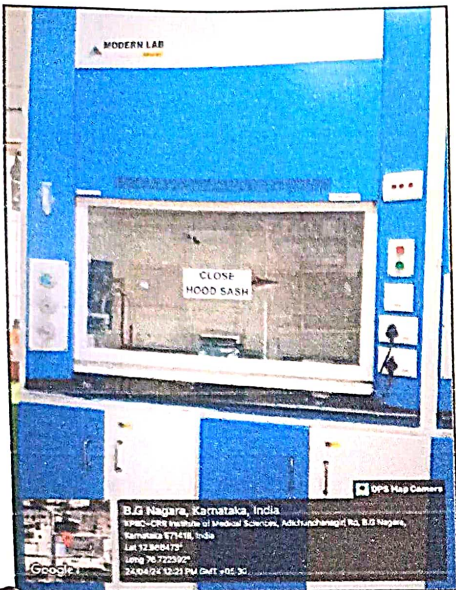
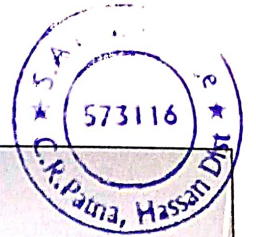

Principal
Sri Adichunchanagiri First Grade College
Channarayana




Visit to AIMM and Department of Chemistry, BG Nagara, Nagamangala on 24th April 2024

[Signature]
 HOD of Chemistry
 SAFG College
 Channarayapatna-573116
 Hassan Dist

[Signature]
 Principal
 Sri Adichunchanagiri First Grade College
 Channarayapatna



Visit to AIMM and Department of Chemistry, BG Nagara, Nagamangala on 24th April 2024


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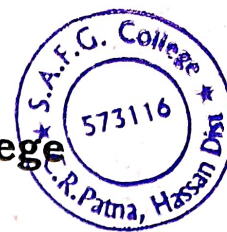

Principal
Sri Adichunchanagiri First Grade College
Channarayapatna

|| Jai Sri Gurudev ||

Sri Adichunchanagiri First Grade College

Channarayapatna-573 116

Department of Chemistry



Attendance Sheet – VI semester

**Field Visit to Adichunchanagiri Institute for
Molecular Medicine (AIMM) and Department of
Chemistry, BG Nagara, Nagamangala**

Date : 24th April 2024

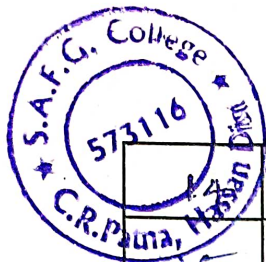
Place of Visit: BG Nagara
Nagamangala

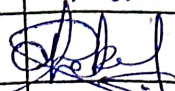
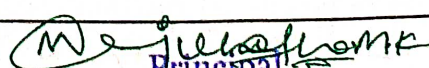
Time : 10:45 am

Class : VI semester

Sl.No.	STUDENT NAME	SIGNATURE
1.	Suma. M.S.	Suma.
2	Swathi - M.M	Swathi - M.M.
3.	Jayalakekshmi - A.L	JL
4	Nisarga .M.R	Nisarga
5)	Shreevarsha C.S	shree
6	Tejaswini KR	Tejaswini KR
7)	Saravathi. G.N	Swathi
8)	Nilchitha. B.S	nilchitha.
9)	Bindee. S.N	Bindee.
10.	HEMANTH C M	hemant h c m
11.	NIKHIL D.P	Nikhil D.P
12	Sonitha K.M	Sonitha K.M
13	Kouthik Kumar. K.P	Kouthik


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	Shambhavi Y-S	Shambhavi
15	Sanjay B.M	Sanjay B.M.
16	Sahana .M.N.	Sahana M.N.
17	Bhooth Raj K.P	Bhooth Raj
18	Harshitha D.R.	Harshitha
19	Aishwarya K.Y	Aishwarya
20	Shwetha .B.S	Shwetha
21	Sukithra .K.R	Sukithra
22	Sona B.N	Sona B.N
23	Abhitha	Abhitha
24	Ruthi C. Iwoda K.R	Ruthi
25	Benduk	Benduk
26	Spandana K.K	Spandana
27	SPOORATHI C.K	SPOORATHI
28	Ranjitha .C.N	Ranjitha .C.N
29	Keerthana H.S	Keerthana H.S
30	Suhar S.L	Suhar
31	Komal G. K	Komal G. K
32	MONIKA H.A	MONIKA
33	POOJA .H.K	POOJA
34	Muskan N.R	Muskan
		
	HOD of Chemistry S.A.F.G. College Channarayana - 573116 Hassan Dist.	 Principal Sri Adichunchanagiri First Grade College Channarayana