



# GEMS ARTS AND SCIENCE COLLEGE

An ISO 9001 : 2015 Certified Institution

(A unit of Global Education and Management Studies Co-operative Ltd., No. M. 782)

(Affiliated to University of Calicut and UGC Recognized under Section 2 (f) of UGC Act 1956)

Ramapuram, Kadungapuram P.O, Malappuram Dt., Kerala. Pin - 679321, Ph : 04933-256123, 255700

[www.gemsasc.ac.in](http://www.gemsasc.ac.in), email: [gemsasc@gmail.com](mailto:gemsasc@gmail.com)

## INDUSTRIAL VISIT





From,

Date: 12/10/2022

Sandeepan K M

Head of the Department

Department of Management Studies

To,

The Principal

GEMS Arts and Science College, Ramapuram

**REQUEST FORMAT FOR INTERNSHIPS/ INDUSTRIAL VISITS/ WORKSHOPS**

Sl No	Name of Department	No of Students	Visiting Agency/ Training Institute (Name& Address)	Dates of Visit	
				From	To
1	Department of Management Studies	49 Students	<b>MUTHAMIZH INDUSTRIES PALANI</b>	22/10/2022 10 AM	22/10/2022 12 PM

Signature of HoD

**Sanctioning Details:**

Approved	
Not Approved	

**Dr. NAVEEN MOHAN**  
PRINCIPAL  
GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-679 321

Signature

**Note:**

- Certificates, Geotagged photographs and Report of Internships /Industrial Visit/ Workshops and of the program shall be submitted within 10 days after visit.

## REPORT

The industrial visit to "Muthamizh Industries" Palani is an Agricultural Machineries Manufacturing Company. The industrial visit made us to learn the different methods of the manufacturing of various equipment. The personnel showed the manner of manufacturing/operating it in detail. They gave us a clear-cut idea about the products and how it is used. It was a one-day workshop conducted for 3<sup>rd</sup> semester BBA 49 students. The HR department was also visited and the way they are following for marking attendance, disciplinary activities, payment procedure etc. were also learned. The visit to Muthamizh Industries was a highly informative and enriching experience. It was an excellent opportunity to bridge the gap between theoretical knowledge and real world application.. During the workshop training the students were able to know and learn the way they are working different equipment.



TO.

Date :22.10.2022

Sandeepan.K.M

Asst. Professor & HOD

Department of Management Studies

GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM,

MALAPPURAM, KERALA

MOB: 9446488308

Dear sir,

This is to certify that 49 students of BBA Department of **GEMS ARTS AND SCIENCE COLLEGE, RAMAPURAM, MALAPPURAM, KERALA**, have completed their Industrial Visit/ Training under mentorship of our Firm , on **22.10.2022**, during the Academic Year **2022-23**, at our **MUTHAMIZH INDUSTRIES**.

Yours sincerely

For Muththamizh Industries

  
Proprietor



33ALXPM1641F1Z1

7/31, Near jawahar Nagar, ND Road, **Palani** - 624601, Dindigul (Dt), TamilNadu, India.

98420 09606, 98421 09606

[ag5tamil@gmail.com](mailto:ag5tamil@gmail.com), [muthamizhindustries@gmail.com](mailto:muthamizhindustries@gmail.com)

[www.muthamizh.co.in](http://www.muthamizh.co.in)



**INDUSTRIAL VISIT MUTHAMIZH INDUSTRIES  
STUDENTS 2021-22 ADMISSION**

SL NO.	REGISTER NUMBER	NAME OF STUDENTS	SEMESTER
1	GGAVBBAR01	FATHIMA HANEENA.M	3
2	GGAVBBAR02	HAFSATHUL MUBEENA. TK	3
3	GGAVBBAR03	HANA MARIYAM. K	3
4	GGAVBBAR04	LIYANA SHIRIN. K	3
5	GGAVBBAR05	MEHARIN. K	3
6	GGAVBBAR06	Wafa ELACHOLA	3
7	GGAVBBAR07	ABDUL VAJID. V	3
8	GGAVBBAR08	AJMAL. ET	3
9	GGAVBBAR09	ANFAS. P	3
10	GGAVBBAR10	ANSHIF. NK	3
11	GGAVBBAR11	MIZHAB. P	3
12	GGAVBBAR12	MOHAMMED SHAMIL .P	3
13	GGAVBBAR13	MOHAMMED ADINAN	3
14	GGAVBBAR14	MOHAMMED NAVAS. A	3
15	GGAVBBAR15	MOHAMMED ANSHIF. ME	3
16	GGAVBBAR16	MUHAMMED SHIBILI	3
17	GGAVBBAR17	MUHAMMED ANSHIF	3
18	GGAVBBAR18	MUHAMMED ASHFAQ. V	3
19	GGAVBBAR19	MUHAMMED FARIS. A	3
20	GGAVBBAR20	RIYAS ROSHAN. E	3
21	GGAVBBAR22	SHAMIL MOHAMMED. A	3
22	GGAVBBAR23	HIBA SHERIN. M	3
23	GGAVBBAR24	IFSAN MON. M	3
24	GGAVBBAR25	MUHAMMED SINAN. PT	3
25	GGAVBBAR26	SHAHIM SANAD. K	3
26	GGAVBBAR28	RASHA NASIR. P	3
27	GGAVBBAR29	RIFA H. KV	3
28	GGAVBBAR31	SUHANA SHERIN.MT	3
29	GGAVBBAR32	ABDUL BASITH .EK	3



  
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30	GGAVBBAR33	ABHINAV.P	3
31	GGAVBBAR34	ABOObAKKAR KOZHIPPARAMBAN	3
32	GGAVBBAR35	AM. SALMAN FARIS	3
33	GGAVBBAR36	ANSHID. V	3
34	GGAVBBAR37	ASHIF ALI. PK	3
35	GGAVBBAR39	ATHUL. P	3
36	GGAVBBAR40	CHANDRADAS. O	3
37	GGAVBBAR41	FAHAD. AP	3
38	GGAVBBAR42	HANAN. KP	3
39	GGAVBBAR43	HARILAL. KP	3
40	GGAVBBAR44	MANSOORALI	3
41	GGAVBBAR45	MISHAL USMAN	3
42	GGAVBBAR46	MOHAMMED SHAHDAD. P	3
43	GGAVBBAR47	MOHAMMED RAMSHAD. K	3
44	GGAVBBAR48	MOHAMMED SAHAL. MP	3
45	GGAVBBAR49	MOHAMMED SHAMIL. PK	3
46	GGAVBBAR50	MUHAMMED BASIL	3
47	GGAVBBAR51	MUHAMMED SHEHIN. OK	3
48	GGAVBBAR52	MUHAMMED SHIYAS. PT	3
49	GGAVBBAR54	SIDHIQUE RISHAN	3



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**Inside view of the Muthamizh Industries, Palani**



**The officer of Muthamizh Industries explaining the students about their Products.**





**Equipments introduction with trial by one of the Mentor of the firm to the students**



**Photograph taken in front of the Muthamizh Industries, Palani**







FROM,

The HOD

Date:06 /03/2023

PG Department of Commerce

Gems Arts and Science College, Ramapuram

To,

The Principal

GEMS Arts and Science College, Ramapuram

**REQUEST FORMAT FOR INTERNSHIPS/ INDUSTRIAL VISITS/ WORKSHOPS**

Sl No	Name of Department	No of Students	Visiting Agency/ Training Institute ( Name & Address)	Dates of Visit	
				From	To
1	PG Department of Commerce	46 (B.com Computer Applications)	Marayur Gold Jaggery Munnar	13/03/2023	14/03/2023

Signature of HoD

**Sanctioning Details:**

Approved	
Not Approved	

**Dr. NAVEEN MOHAN**  
PRINCIPAL  
GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DIST. KERALA-679 321

Signature

**Note:**

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## REPORT

The PG Department of Commerce organized an educational industrial visit for 46 enthusiastic B.Com (CA) students, accompanied by 3 faculties. The purpose of this visit was to provide students with practical exposure to the traditional jaggery manufacturing industry. The journey commenced on 13th March 2023 at 10:00 PM, leading the group to Marayur Gold Jaggery Factory in Munnar. During the visit, students gained insights into sugarcane processing, boiling, and the art of jaggery production. The tour emphasized the significance of jaggery in local agriculture and allowed students to sample various types of jaggery. It served as a practical learning experience that bridged the gap between classroom knowledge and traditional craftsmanship. This industrial visit was an enlightening and educational experience, expanding students' understanding of regional industries and the role of jaggery in the local economy. We express our gratitude to the PG Department of Commerce for organizing this valuable excursion and to the Marayur Gold Jaggery Factory for their warm hospitality and informative tour, which left a lasting impression on the participants.



**MARAYOOR<sup>®</sup>  
GOLD  
JAGGERY**

**TVJ & SONS Essential Oils and Spices**

Northern Outlet Road, Marayoor - 685620

**CERTIFICATE OF APPRECIATION**

**THIS IS TO CERTIFY THAT**  
**STUDENTS & FACULTY OF**  
**“GEMS ARTS AND SCIENCE COLLEGE”**

has successfully completed the Educational visit at our  
Manufacturing unit at Marayoor. Complete briefing on our  
production and packaging were provided to the participants.

JULY 20, 2022



Dennis Mathew



Haines T Joy

STUDENTS WHO ATTENDED INDUSTRIAL VISIT			
SL NO.	REG. NO	NAME OF THE STUDENT	SEMESTER
1	GGAVBCM055	AYISHA HIBA CH	4
2	GGAVBCM056	FATHIMA SHAIHA K P	4
3	GGAVBCM057	FATHIMATH SANIYA KP	4
4	GGAVBCM058	NASHIDA VP	4
5	GGAVBCM059	NAŞLA JASMIN.T	4
6	GGAVBCM060	RINSHA BANU MP	4
7	GGAVBCM061	SHIFA SHIBIN T	4
8	GGAVBCM062	SUHAILA MP	4
9	GGAVBCM063	ABDULLA SIYAD MP	4
10	GGAVBCM064	AKBAR ALI T	4
11	GGAVBCM065	ASHIQ V	4
12	GGAVBCM066	FARZIN	4
13	GGAVBCM067	FEBIN.E.C	4
14	GGAVBCM068	IRFAN HABEEB	4
15	GGAVBCM069	JASIL TK	4
16	GGAVBCM070	MOHAMED ASFAL M	4
17	GGAVBCM072	MOHAMMED ANAS C	4
18	GGAVBCM073	MOHAMMED FAYIS P	4
19	GGAVBCM074	MOHAMMED HISHAM KK	4
20	GGAVBCM075	MOHAMMED JASIN NP	4
21	GGAVBCM076	MOHAMMED NASIL K.T	4
22	GGAVBCM077	MOHAMMED SANIN NK	4
23	GGAVBCM078	MOHAMMED SHABEEH	4
24	GGAVBCM079	MOHAMMED SINAN K T	4
25	GGAVBCM080	MUHAMMED SINAN	4
26	GGAVBCM081	NAJID MIRSHA.V.P	4
27	GGAVBCM082	P. ADHIL	4



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28	GGAVBCM083	RASHIB RAZAKE A	4
29	GGAVBCM085	SHAMIR M	4
30	GGAVBCM086	HISANA P	4
31	GGAVBCM087	SABIYA K	4
32	GGAVBCM088	SADMA JASMINE U	4
33	GGAVBCM089	MOHAMMED SAHAD MUBARACK	4
34	GGAVBCM090	MOHAMMED SUHAID MUBARACK.P	4
35	GGAVBCM091	ATHIRA.TM	4
36	GGAVBCM092	ABHAY.M	4
37	GGAVBCM093	JASEEM MUSHRAF	4
38	GGAVBCM094	MOHAMMED ANSHIQ.E	4
39	GGAVBCM095	MOHAMMED FIROZ.MP	4
40	GGAVBCM096	MOHAMMED RINSHAD.V	4
41	GGAVBCM097	MOHAMMED SHAMNAS	4
42	GGAVBCM098	MOHAMMED AMAL ANJOOM	4
43	GGAVBCM099	MOHAMMED RINSHAD.K.	4
44	GGAVBCM100	MUHAMMED SUHAIR.P	4
45	GGAVBCM101	NASEEH ABDULAZEEZ KN	4
46	GGAVBCM102	SANGEETH.E	4



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**The managing director is explaining about the processing of jaggery**



**The process of filtering and boiling**



**Managing Director of the company gifted their products to the students**





FROM,

Arun K

HOD and Assistant Professor

PG Department of Social Work and Sociology

Date: 10/11/2022

To,

The Principal

GEMS Arts and Science College, Ramapuram


**REQUEST FORMAT FOR INTERNSHIPS/ INDUSTRIAL VISITS/ WORKSHOPS**

Sl No	Name of Department	No of Students	Visiting Agency/ Training Institute (Name & Address)	Dates of Visit	
				From	To
1	PG Department of Social Work and Sociology	25	KREA Commune (An initiative by Najeeb Kanthapuram), Aliparamba Grama Panchayat	15/11/2022	09/12/2022

  
Signature of HoD

**Sanctioning Details:**

Approved	<input checked="" type="checkbox"/>
Not Approved	<input type="checkbox"/>

  
**Dr. NAVEEN MOHAN**  
PRINCIPAL  
GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-679 321

Signature

**Note:**

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## **OBJECTIVES OF THE FIELD WORK**

- Aliparamb pachayath is a developing panchayath.
- Trainees observed that schools of Aliparamb panchayath has no enough facilities
- Aliparamb pachayath people has water scarcity.
- Transportation facility Aliparamb panchayth is not good.
- Members of some ward members are not active.
- Aliparamb pachayath has lot of SC colony.

## **OBSERVATION OF THE TRAINEE**

- Aliparamb panchayat people have water scarcity.
- Transportation facility of Aliparamb panchayat is not good.
- Members of some ward members are not active.
- Aliparamb panchayat has a lot of SC colonies.
- Most of the people have not been getting any information about new projects.
- Aliparamba panchayat is a developing panchayath
- Trainee observed that most of the schools in Aliparamb panchayath are facing drug use in students
- There are many differently abled childrens in the panchayath. They have many skills like dancing and singing etc.
- Trainees observed that most of the people in that village depend on Primary Health Centre

## **LEARNINGS OF THE TRAINEE**

### **PERSONAL LEARNINGS**

- Trainees get confidence in public speaking.





- Trainees learned to make rapport with people
- Social work trainees learned and understand the project proposals of Aliparamba panchayath
- Trainees learned to be good listeners during the survey sessions.
- Trainees learned to make questionnaires to conduct FGD.
- Trainee learned the importance of documentation
- Trainee learned the necessity of critical thinking and time management

#### PROFESSIONAL LEARNINGS

- Social work trainees learned to understand the activities of panchayath.
- Social work trainees learned to write project proposals.
- Social work trainees learned to conduct FGD and PRA.
- Social work trainees learned to make a healthy relationship with the people which helped to complete the survey successfully.
- Trainees learned about the importance of group discussion.
- Social work training learned to find a solution to an effective problem.



## REPORT OF INTERNSHIP

As a part of the MSW curriculum, the students of 2<sup>nd</sup> semester Social Work Trainees were sent for a field work practical learning program for 21 days at the NGO named Mudra. Mudra is a non-government organization under Najeeb Kanthapuram, the MLA of Perinthalmanna Constituency. The first day of the internship started with a session by Mr. Sabir about the functions of the project "KREA" and about "MUDRA". The main objective of the day was to plan about the various activities and to get a clear cut picture about the internship program. During the period of internship, students actively participated in all assigned work and conducted household socio-economic survey, FGD and PRA, organized awareness campaigns, workshops and documented ward level study reports of Aliparamba Grama Panchayat as the part of KREA Commune sustainable rural development program. The internship proved to be worthwhile and beneficial for the students and the department plans to continue with compulsory internship for all the students in the future.





## Certificate Of Completion


This is to certify Mr./Ms. .... ADHILA A N .....

a first-year MSW student from the PG Department of Social work and Sociology,  
GEMS Arts and Science College, Ramapuram in the academic year 2022-23  
has worked with KREA Commune (An initiative by Najeeb Kanthapuram MLA)  
as an intern as part of the compulsory curriculum activity. The internship/ fieldwork started  
on 15/11/2022 and ended on 09/12/2022. During the period he/she actively participated in  
all assigned works and conducted household socio-economic surveys, FGD, and PRA,  
organized awareness campaigns, workshops and documented ward-level study reports of  
Aiparamba Grama Panchayath as part of the KREA Commune sustainable rural development program.

We wish him/her all the success in future endeavors.

Date : 27.01.2023


Place : Perinthalmanna

  
**Shri. Najeeb Kanthapuram MLA**  
Chairman, Mudra Educational and Charitable Foundation

## Students who attended field work

SL NO	Register Number	Name of the students	Semester
1	GGAWMSW002	ADHILA A N	1
2	GGAWMSW003	ANJANA K	1
3	GGAWMSW004	ARYA K M	1
4	GGAWMSW006	CHANDHINI	1
5	GGAWMSW007	FADIYA M	1
6	GGAWMSW008	FASILYA VEERASSERY	1
7	GGAWMSW009	FIDA FARHA K	1
8	GGAWMSW010	FIDHA JUBIN K	1
9	GGAWMSW011	HADIYA HARIM K	1
10	GGAWMSW012	MANSOORIYA K	1
11	GGAWMSW013	NAFEESA NUSRIN E K	1
12	GGAWMSW014	RAHIBA C	1
13	GGAWMSW015	SAFA SERIN	1
14	GGAWMSW016	SHOUKIYA C	1
15	GGAWMSW017	SILPA K	1
16	GGAWMSW018	SNEHA UTHAMAN	1
17	GGAWMSW019	SWETHA K P	1
18	GGAWMSW020	THESHREEFA K K	1
19	GGAWMSW021	UMMU SAINABA K P	1
20	GGAWMSW022	KRISHNA PRASAD I	1
21	GGAWMSW023	MOHAMMED ASLAM V	1
22	GGAWMSW024	MOHAMMED RASHAD	1
23	GGAWMSW025	MOHAMMED SHAMEEL P K	1
24	GGAWMSW026	MUHAMMED AFLAL P	1
25	GGAWMSW027	MUHAMMED IRFAN K P	1



  
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 MALAPPURAM DT., KERALA-679 321

### Interactive session with Ward members



### Group discussion



### FGD AND PRA



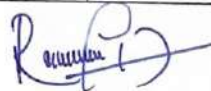


Date: 2/12/2022


FROM  
HOD  
PG Department Of Applied Geology  
Gems Arts and Science College Ramapuram  
To,  
The Principal  
GEMS Arts and Science College, Ramapuram

**REQUEST FORMAT FOR INTERNSHIPS/ INDUSTRIAL VISITS/ WORKSHOPS**

Sl No	Name of Department	No of Students	Visiting Agency/ Training Institute ( Name & Address)	Dates of Visit	
				From	To
1	PG DEPARTMENT OF APPLIED GEOLOGY	8	IISc Bangalore	3 January 2023	7 January 2023

  
Signature of HoD

**Sanctioning Details:**

Approved	
Not Approved	

  
**Dr. NAVEEN MOHAN**  
PRINCIPAL  
GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-679 321  
Signature

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## REPORT

The Second semester M.Sc Applied Geology students done their internship programme at Indian Institute Of Science Bangalore. IISc Bangalore is prestigious research and higher education institution in India. It's known for its excellence in science and Engineering research and education. A group of eight students from the M.Sc Applied Geology 2022-24 batch had the unique opportunity to embark on an internship programme in the renowned Indian Institute of Science (IISc) Bangalore on the 3rd of January 2023 to 7 January 2023.

In the geochemical lab students witnessed the firsthand analytical tools and techniques used to study the chemical composition of rocks, minerals, and fluids. This exposure enabled them to understand the intricate processes that shape the earth crust and the important of the geochemistry in unraveling the planet's geological history.

The paleoclimate lab visit was equally enlightening. Students were introduced to the methods used to study ancient climate patterns through geological records. They learned how geological data such as sediment layers and fossil records could provide crucial insights to the earth's climatic evolution over millions of years. They also experienced with various techniques like electron Probe Analysis(EPMA),scanning Electron Microscopy (SEM) and Transmission Electron Microscopy (TEM).

During this internship, the students were exposed to a multitude of geological wonders and cutting-edge research facilities. They delved into various aspects of geology, gaining practical insights into their field of study. This programme exposed them to the real-world applications of geology, enhanced their understanding of geochemistry and paleoclimatology, and left them with lasting impressions and a new found passion for their chosen field.



## OBJECTIVE

- Enhance research and technical skills by working in a world class research environment and gaining hands-on experience.
- Gain deeper understanding of latest developments in geology field.
- Acquire and develop new laboratory techniques and analytical tools.
- Enhance problem solving skills.
- Experience the academic and cultural environment at IISc, gaining a broader perspective on Indian research and education.





## OUTCOMES

- They acquired research and technical skills
- Interacting with professors and fellow researchers helped them to build a professional network.
- Students gained hands on experience in a research environment.
- They have gained proficiency in preparing and analyzing mineral thin section .
- They have acquired new skills and knowledge related to geochemistry and paleoclimatology such as laboratory techniques, data analysis and research methods.
- They have experienced with advanced techniques like EPMA,SEM and TEM.





**Dr. Sajeed Krishnan**  
Professor

**Centre for Earth Sciences**  
**Indian Institute of Science**  
Bangalore 560 012

*E-mail: sajeev@iisc.ac.in*  
*krishnansajeev@gmail.com*  
*Tel: (91) 80-2293-3404*

### **CERTIFICATE**

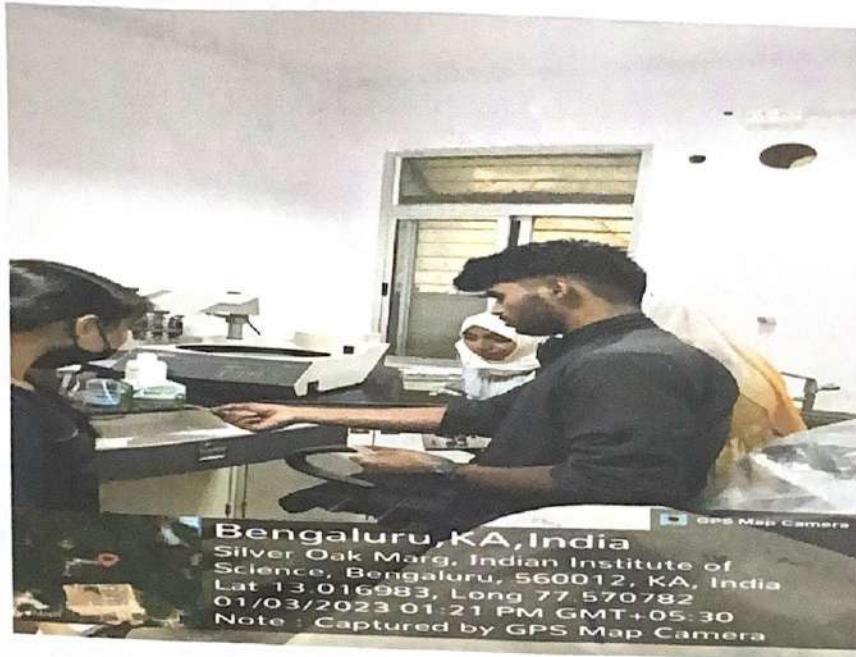
THIS IS TO CERTIFY THAT **MS. ADHINA RAJ** HAD VISITED PETROLOGY LAB, CENTRE FOR EARTH SCIENCES, INDIAN INSTITUTE OF SCIENCE DURING THE PERIOD OF 3<sup>rd</sup> TO 7<sup>th</sup> JAN, 2023 AS PART OF HER INTERNSHIP PROGRAM. DURING THIS PERIOD, MS. ADHINA RAJ WAS PROVIDED WITH EXPOSURE AND TRAINING IN GEOLOGICAL FIELD WORK AND SAMPLE PREPARATION METHODS.

STUDENTS WHO ATTENDED INTERSHIP AT IISC BANGALORE			
SL.NO	REG.NO	NAME	SEMESTER
1	GGAWMAG001	ADHINA RAJ K	2
2	GGAWMAG004	BABY FARZANA T	2
3	GGAWMAG005	JASNA MOHAMMED T K	2
4	GGAWMAG006	MUMTHAS NILOFAR P	2
5	GGAWMAG007	RAMSEENA M P	2
6	GGAWMAG008	RINSA N	2
7	GGAWMAG009	SAFWA MOHAMMED RASHEED	2
8	GGAWMAG010	SHABEEBA THESNI C P	2



**D. NAVEEN MOHAN**  
PRINCIPAL

GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-678 321



Training on mineral thin section making



Sedimentology Lab visit





Geochemistry Lab visit





From,

Radhika R Krishna

Date: 02/04/2022

Head of the Department

PG Department of Microbiology

To,

The Principal

GEMS Arts and Science College, Ramapuram

**REQUEST FORMAT FOR INTERNSHIPS/ INDUSTRIAL VISITS/ WORKSHOPS**

Sl No	Name of Department	No of Students	Visiting Agency/ Training Institute (Name & Address)	Dates of Visit	
				From	To
1.	PG Department of Microbiology	42	Signature Solutions- Training and research Center, Perinthalmanna	18-04-2022	28-04-2022

  
Signature of HoD

**Sanctioning Details:**

Approved	<input checked="" type="checkbox"/>
Not Approved	<input type="checkbox"/>

  
**Dr. NAVEEN MOHAN**  
PRINCIPAL  
GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-679 321

Signature

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## REPORT OF INTERNSHIP

During the period from April 18, 2022, to April 28, 2022, 42 students of the fourth semester B Sc Microbiology embarked on an enlightening internship or training program in Food Quality Control and Safety Management. This intensive training proved to be a pivotal experience that not only broadened our understanding of the field but also equipped us with invaluable practical skills. The program was meticulously structured to encompass a comprehensive spectrum of topics related to food quality control and safety management. The primary focus was on the analysis of oils and fats, tea and coffee, spices and condiments, and nutritional analysis. This strategic division allowed the students to delve deep into specific aspects of food analysis, providing them with a holistic understanding of the industry.

The analysis of oils and fats presented with the intricate details of lipid composition and its role in food products. The students learned to perform various tests like acid value, saponification value, and iodine value, which are crucial in assessing the quality and safety of oils and fats. In the analysis of tea and coffee, students explored the world of sensory evaluation and chromatography techniques, shedding light on the fine nuances of aroma and flavor profiles.

The segment on spices and condiments exposed us to the complexities of microbial contamination and the significance of microbiological analysis in ensuring food safety. Students honed their skills in the isolation and identification of common contaminants in these products, thus contributing to their quality control. Furthermore, the nutritional analysis segment provided a detailed insight into the significance of food labeling and the assessment of nutrient content, ensuring that consumers receive accurate information about the products they consume.

The training program was a remarkable opportunity for all of the students, bridging the gap between theory and practical application. It instilled a strong sense of responsibility towards ensuring the safety and quality of food products, a critical aspect in today's food industry. The students are immensely grateful for the knowledge and experience gained during this internship, which will undoubtedly prove to be invaluable as they move forward in their academic and professional journey in microbiology and food science.



# CERTIFICATE OF COMPLIANCE



**SIGNATURE  
SOLUTIONS**  
ISO 9001:2015 CERTIFIED LABORATORY

This is to certify that

Forty Two Students of 4<sup>th</sup> semester BSc Microbiology, GEMS  
Arts and Science College Ramampuram, Malappuram Dt.

Has successfully completed Ten days basic training program in

**Food Quality Control & Safety Management**

Conducted from 18-04-2022 to 28-04-2022

Issue Date: 30-04-2022

**Course Director**  
**BAIJU UTTUPURATH**





**List of Students who Completed Internship**

Sl. No.	University Register Number	Name	Semester
1	GGAVSMB001	FAHIYA K P	4
2	GGAVSMB002	FASNA KK	4
3	GGAVSMB003	FATHIMA NADHA	4
4	GGAVSMB004	FATHIMA RIDHA A	4
5	GGAVSMB005	FATHIMA SHAHNA	4
6	GGAVSMB006	HISANA PH	4
7	GGAVSMB007	JILU KC	4
8	GGAVSMB008	JISHNA M	4
9	GGAVSMB009	NAJIYA NAZER	4
10	GGAVSMB010	NAJVA SHERIN	4
11	GGAVSMB011	RIFA AYSHA HUSSAIN	4
12	GGAVSMB012	SAEEMA HANNA	4
13	GGAVSMB013	MOHAMMED FAVAZ E	4
14	GGAVSMB014	MUHAMMED FAYIS M K	4
15	GGAVSMB015	ARYA GIRISH	4
16	GGAVSMB016	ASEELA A	4
17	GGAVSMB017	FATHIMA FIDHA M	4
18	GGAVSMB018	FATHIMA HIBA V K	4
19	GGAVSMB019	FATHIMA LAHAL	4
20	GGAVSMB020	FATHIMA SHIRIN CK	4
21	GGAVSMB021	HAMDA MARIYAM K M	4
22	GGAVSMB022	NISHI KRISHNA	4
23	GGAVSMB023	SREEDARSAN V P	4
24	GGAVSMB024	ADITHYA MP	4
25	GGAVSMB025	ADITHYA P	4
26	GGAVSMB026	AISWARYA SATHEESH	4
27	GGAVSMB027	AKSHADA PS	4
28	GGAVSMB028	FAHMIDA KK	4
29	GGAVSMB029	FATHIMA ISHA K	4

FORM 12

INTERNAL QUALITY ASSURANCE CELL (IQAC), GEMS Arts and Science College



**Dr. NAVEEN MOHAN**  
PRINCIPAL

GEMS ARTS AND SCIENCE COLLEGE  
KADUNGAPURAM (PO), RAMAPURAM  
MALAPPURAM DT., KERALA-679 321

30	GGAVSMB030	FATHIMA JASLY	4
31	GGAVSMB031	FATHIMA SHERIN	4
32	GGAVSMB032	FATHIMA RIYA K T	4
33	GGAVSMB033	JISHNA SHAHUL	4
34	GGAVSMB034	NEHA VINOD	4
35	GGAVSMB035	PRAJNA P	4
36	GGAVSMB036	SANA O	4
37	GGAVSMB037	SHAKIYA NESRIN K T	4
38	GGAVSMB038	VISMAYA KM	4
39	GGAVSMB039	VISMAYA V	4
40	GGAVSMB040	WAFAT	4
41	GGAVSMB041	ARUN PRAKASH	4
42	GGAVSMB042	MOHAMMED JASIM	4

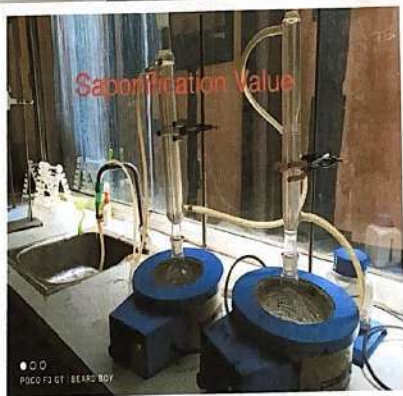


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**PHOTOGRAPHS**

## PHOTOGRAPHS

### ANALYSIS OF OILS AND FAT



## DETERMINATION OF ACID VALUE

