

Report on the Hands on training Molecular techniques program held on 20th February 2020, at Department of Biotechnology, Mizoram University organized in collaboration with Department of Biochemistry, GZRSC

The program was attended by 14 students of 4th semester Life sciences. Students along with faculties from the department left college campus in college bus at 9:30 am, arrived at Biotechnology Department, Mizoram University after 45 minutes from departure.

The first session was short lecture given by Dr. Jyotirmoy Bhattacharya, Associate Professor, Department of Biotechnology, Mizoram University explaining the basic principles of protein, protein structure and their denaturation. This was followed by hands on session in “Redox Laboratory”. Students were divided in to two groups, cyanobacterial sample were used for protein extraction, using Sonicator. Gel apparatus for SDS PAGE was cleaned and assembled. Stacking and resolving gel were prepared separately and cast on the gel slide. Polymerization of the gel takes around 30 minutes. Meanwhile Agarose Gel Electrophoresis was performed in Biotech Hub Laboratory, 5 students at a time enter the lab, to avoid overcrowding. The forenoon session comes to an end with Lunch provided by Campus Canteen.

Afternoon session starts at 1:30 pm at Redox Laboratory. Proteins samples were prepared by each students, mixing with Bromothymol blue, TEMED and EDTA. After the gel solidifies each sample were loaded into the well, which takes time as 14 students loaded their own sample into each well. Gel apparatus were connected with power pack and the gel was made to run at 70 voltage for 30 minutes, followed by 100 voltage till the protein reach the lower gel. Gel apparatus was disassembled and the gel was cut and dye in Coomassie brilliant blue. The separated proteins were observed clearly.

The hands on training program ends at 5:00pm, Closing session includes light tea and distribution of certificate and remuneration to participants and technical experts involved in the training. College Bus was used as transportation for the way back.



Project Report

Bachelor of Computer Applications

2019-20

According to the Mizoram University Syllabus, the students of BCA are expected to develop software as their main project in their final semester. The Project work constitutes a major component in most professional program. The project work is not only a partial fulfilment of the BCA requirements, but also provides a mechanism to demonstrate their skills, abilities and specialization.

The objectives of the project is to help the student develop the ability to apply theoretical and practical tools/techniques to solve real life problems related to industry, academic institutions and research laboratories. The purpose behind the inclusion of this is to consolidate the concepts and practices that were imparted during the course and to serve as record of competence. It enables the students to apply concretely in a small package the concepts pinned from system analysis and design.

MARK DISTRIBUTION:

Marks distribution for internal as well as external is given below:

Topics	External
Project Record	20 Marks
Project Development and execution	100 Marks
Viva Voce	50 Marks
Presentation	30 Marks
Total	200 Marks

Internal – 100 marks

STEPS INVOLVED IN THE PROJECT WORK:

The following are the major steps involved in the project:

- 1) Select a topic and a suitable guide.
- 2) Prepare the project proposal (Synopsis) in consultation with the project guide.
- 3) Submit the project proposal along with the necessary documents
- 4) Obtain receipt of the project approval from concerned department
- 5) Carry out the project-work.
- 6) Prepare the project report.
- 7) Submit the project report to the department concerned
- 8) Appear for the viva-voce or presentation as per the intimation

PROJECT SYNOPSIS:

The student formulates a project synopsis with the help of her/his Guide and submits the project proposal of the same. Approval of the project proposal is mandatory. If approved, the student can commence working on it, and complete it. They use the latest versions of the software packages for the development of the project. Synopses of the project proposal covering the following aspects were submitted to the department:

(i) Proposed Title of the Project.

(ii) Why is the particular topic chosen?

(iii) Introduction and Objectives of the Project.

(iv) Software Requirement specifications.

- ☐ Hardware Requirements
- ☐ Software Requirements

(v) A complete structure which includes:

- ☐ Number of modules and their description
- ☐ Data Structures as per the project requirements for all the modules

(vi) List of reports that are likely to be generated

ACCEPTANCE/REJECTION OF REPORT:

The student submits their Synopsis of the project report to the Institute for approval. The Principal/Teacher in charge holds the right to accept the project or suggest modifications for resubmission. Only after acceptance of draft project report, the student makes the final copies

VIVA-VOCE AND PRESENTATION:

The viva-voce has been conducted by an external examiner appointed by the University and an internal examiner from the College. Other members of the faculty and students are also present. The duration of the Presentation was 15 to 20 minutes. The logic, analysis and design aspects relevant to the project mentioned under assessment are the main subject matter for the viva. However, the general proficiency of the candidate in the selected software platform are also tested.

First Semester B.Sc. H.Sc 2019

Roll No.	Name
1	Angel Lalengmawii
2	C.Lalremsangi
3	C.Lalthanpuii
4	C.Vanlalnunpuii
5	C.Vanlalruati
6	H.Lalmuanpuii
7	K.Vanlalruati
8	Lalmangaihzuali
9	Lalhriatpuii
11	Lalnunthari Ralte
12	Lalremkimi
13	Lalrinnungi
15	Lily K.Lalmawizuali
16	Lucy Lalruatpuii
17	Malsawmdawngkimi
18	Mary Zohmangaihi
19	Ruthi Zonunsangi
20	Zodintluanga

Field Visit: HS -105: Textiles

Practical: To visit to handloom industry.

The 1st Semester B.Sc. Home Science syllabus includes Textiles as one of the subjects. The Textile subject deals with the construction of fabrics from fibres through the process of spinning the fibres into yarns, and the yarns into fabric through weaving process, and the different treatments given to the finished product. To gain more knowledge on the process of weaving, the Textile practical includes students visit to nearby Handloom industries. The students observe the different parts of the loom and witness the working of the loom which they study in the theory part. The students also study the working conditions of the weavers. They also study the production and marketing of the textiles product. The reports of their visit are written individually and are entered in their practical record book.

3rd SEMESTER H.Sc. 2019

ROLL NO.	NAME
002	C. Lalthlamuanpuii
003	Christine V.L. Nunhlimpuii
004	Elizabeth Lalrinsangi Hnialum
006	H. Vanlalhriati
007	J. Vanlalmangaihzuai
008	Jedidi Lalawmpuii
009	K. Malsawmsangi
011	Lalramengmawii
012	Merilyn
013	P.B. Lalrinhlui
014	Rebecca Lalrinfeli
015	Reamlalliani
016	Ruthi Vanlalmuanpuii
017	Sairengpuii
018	Tara Gurung
019	Vanhlupuii
021	Vanlalpeki
022	Zohmangaihi
023	Zotluangpuii
024	K. Lalthafamkimi

Project:

HS -301: Extension Education and Communication:

Practical: To visit and educate one family on any Home Science Topic.

The 3rd Semester students have Extension Education and communication as one of their papers. In this paper they study communication based on Home Science. It is basically communication and Home Science oriented. They have one practical where they have to go out and visit one family and teach them any one topic of Home Science that could be of relevance to the family.

- a) The students are divided into groups of not more than three each.
- b) Each group chooses a family where they wish to visit.
- c) They will plan on the topic which they will be teaching (This is usually decided on the condition of the family as to what will be most relevant for them)
- d) After the topic has been decided the students make a write up and divide sub topics among themselves which they will be presenting.
- e) The students then inform the timing of their visits to the family where they go and present the paper they have prepared.
- f) The topics chosen are always topics which is applicable to our everyday living

GOVT. ZIRTIRI RESIDENTIAL SCIENCE COLLEGE
5TH SEMESTER 2019-2020

Roll No.	NAME
1	ELIZABETH LALAWMPUII
2	MALSAWMZUALI
3	LALRINGZELI RENTHLEI
4	SARAH ZOTHANPUII
5	LALMUANAWMI
6	RAMNUNSANGI
8	PATI MAYA
9	ESTHER LALKHAWNGAIHI
10	LALMUANZUALI

Field trip:

1. Field trip/outreach program: **Paper No. HS-503 Early Childhood Education**

Observation of a Pre-school Center on 6th August 2019

Observation of a pre-school centre was conducted on 6th August 2019 by 5th semester Home-science students. The students spent the whole day at “Little Steps Preschool” located at Republic Veng, in order to gain practical knowledge about the functioning of the pre-school centre. Little Steps Pre-school was established in 2012 by Judy Lalbiakfeli, who is an alumna of our college. The centre also provides day-care and after-school care for children. Each student also assessed the development of a pre-school child assigned to them by the pre-school, through informal evaluation techniques like observation, interview, analysis of the child’s work etc. Through their observation and interaction with the preschool staff and preschoolers, the students gained valuable insight regarding the organisation of a pre-school centre as well as the skills required to work with pre-school children.





2. Field Trip: Paper No. HS-507 Dietitics

Observation of patients at Synod Hospital, Durtlang on 18th Sept 2019

Observation of patients at the Synod Hospital was conducted on the 18th Sept., 2019 by the students of Home Science (5th Semester). The students spent the whole day at the Synod Hospital, Durtlang Medical Ward, regarding about the nutritional status of the patients of different diagnosis.

Patients suffering from Liver disorder, Acute Gastro Enteritis, Diabetes, High Blood Pressure, CVD were selected. Each patient was interviewed by two students on the basis of their dietary background, nature of illness, diet history, etc. From the collected information, the students prepared diet chart for the patient and also had a diet counseling to them. From their observation, the students extent their knowledge about the role of a dietitian as well as the skills required to work as a dietitian with the patients also benefitting from this observation.



3. Field Trip: Paper No. HS-509 Food processing and preservation technology

Silchar and its surrounding during 10-11th October 2019

We departed from Aizawl on the 10th of October 2019 at 5:00am and due to road block we were delayed at Sentlang, Mizoram for about 3 hours and reached our destination Silchar around 7:00 pm. On 11th October after breakfast along with the local tour guide we visited The North Western Cachar Tea Factory (Silcoorie tea) and Lalit Flour Mills. The students attend and observe informative lecturers regarding the techniques and different methods for processing at the factory. Photograph of different sites were also taken.



Place visited:

1. The North Western Cachar Tea Factory (SilcoorieTea): The factory was established in the year 1998 and they have around 600 workers, they export mainly in the Western part of India. They have different type of tea depending on the quality and they have their own tea plantation.



2. Lalit Flour Mills: Located at Meher Pur , Silchar- 15, which is around 20 kms from the Central part of Slichar. They have well equipt mills and mostly they produce fine maida, suji, wheat bran and atta.
3. The Lalit Flour Mills also owns cold storage facilities. The students were allowed to go inside the cold storage and were given information on how the cold storage works.



After the visit the owner gave us cold drinks and we were welcomed warmly. The students gained lot of information and experience .

Government Zirtiri Residential Science College



Department of Geology

A Report On

GEOLOGICAL FIELDWORK AT KOLASIB, MIZORAM

Funded by:

Rashtriya Uchchatar Shiksha Abhiyan (RUSA), GZRSC



Duration of field trip: 18th to 19th October, 2019.

Number of teachers: 2 (Dr. C. Zoramthara, Dr. C. Lalmuankimi)


Number of students: 9 (6 male and 3 female from V Semester)

Purpose of Field trip: As one of the North Eastern States of India, Mizoram is diverse from mainland India, not just in culture, religion and society but also in term of Geologic and tectonic setting. Mizoram consists of North-South trending mountains with deep gorges leading to river valleys, with meandering paths governed by complex structural alignments and severe weathering and erosion. This combination of natural activities leads to rapid evolution of landscape with human development contributing to the cause. In light of this, the Principal (Prof B. Zoliana) and RUSA Co-ordination Committee, GZRSC funded Geology department for geological fieldwork at Kolisib, Mizoram which is located at 78 Kms from Aizawl, the capital of Mizoram.

Vanchengpui is a village on the Northern part of Mizoram located between N22.2246 latitude and E 92.6760 longitude. A thick succession of Tertiary rocks in the Kolasib district of Mizoram is represented by the Middle and Upper Bhuban Formation, and the Boka bil Formation of Surma Group of rocks, and also the Tipams. The sandstones in this area are typified by its soft and friable nature because of its low degree of induration and compaction. The sandstones of the study area are associated with alternating bands of shale/mud with varying thickness from one place to another. Wave ripples, parallel beddings, cross-beddings, wavy, flaser, lenticular beddings and sole marks like flute caste and load caste are the common Primary sedimentary structures readily observed in the sandstones of the study area. Mud clasts of varied shapes and sizes, and leaching of iron ores are also some of the common sedimentary features found in the sandstones other than the primary sedimentary structures. Quartz, feldspars and micas are the major minerals constituting the bulk mineralogy that can be identified megascopically.

Detailed programme is given below:

Date	Time	Programme
18.10.2019	7:00 a.m	1. Departure from Aizawl
	8:00 a.m	2. Roadside fieldwork
	9:00 a.m.	3. Tea and snacks at Bualpui
	10:00 a.m.	4. Arrival at Kolasib
	10:00 a.m To 3:30 p.m	5. Detailed field investigation a) Area measurement using GPS b) Tape survey using tape extensometer c) Measurement and recording of structures d) Geological survey of surrounding area e) Preparation of litholog f) Lithological survey
19.10.2019	3:30 p.m To 6:00 p.m	g) Collection of samples from Surrounding areas h) Collection of samples from Lungkhawdur i) Measurment of water and soil temperature 6. Lunch 7. Geological field work and collection of samples in and around Kolasib town.
	10:00 a.m	1. Geological field work and collection of samples in and around Rengtekawn.
	2:00 p.m.	2. Depurture from Kolasib
	5:00 p.m.	3. Arrival at Aizawl


 22/10/19
 (Dr. C.ZORAMTHARA)
 Head, Dept. of Geology



DEPARTMENT OF ZOOLOGY
Govt. Zirtiri Residential Science College
Aizawl. Mizoram

Student Field Trip Report

- Lalrinmawia
Associate Professor
Department of Zoology
Govt. Zirtiri Residential Science College



Brief Report on Student Field Trip held on 8th October, 2019. 5th Semester B.Sc (Zoology), Government Zirtiri Residential Science College organized Field study tour in the selected Fish Seed Farm and Animal Husbandry and Veterinary, Government of Mizoram, Thenzawl and important places (Tuirihiau, Thenzawl Park). The unit performed many activities – to attend informative lectures regarding on technique of Field Work and spot verification by using visual observations and photograph on selected areas.

The number of students	:	43
Teacher (Guide)	:	1
Drivers & Conductor	:	4
Total Members	:	48

Important Place visited:-

1 Thenzawl Fish Seed Farm: Department introduced broodstock management, operational management of hatchery, nursery management, as well as demonstration on scientific fish farming for raising productivity, culture of diversified fish species with carps and prawn farming.

Water Source : Perennial Water pH 7-7.5

No of Earthen rearing pond	9	Total water area	1.6 ha
Number of geomembrane nursery pond	7	Total water area	0.15 ha
Geomembrane rearing pond	7	Total Water area	0.18 ha
Unserviceable pond	6	Total water area	0.78 ha

Specimen Collection : Hand picking, netting and Visual observations(Photo)Identification (Systematic Position)

Material

GEOMEMBRANE : HDPE ALLOY - CROSS LAMINATED GEOMEMBRANE

The material, from which these HDPE liners are manufactured is a cross-laminated (electrostatically fused), multi-axially oriented, HDPE (High-Density Polyethylene) Alloy. Because of the multi-ply orientation, the material is extremely strong.

2 ANIMAL HUSBANDRY FARM - THENZAWL: The Farm was first established under NEC Scheme, and now has been taken up under the State Fund. Animal Husbandry and Veterinary Department is one of the Development Departments under Government of Mizoram. The Farm Complex consist of- Piggery Farm, Crossbred Cattle Breeding Farm, Buffalo Farm, Fodder with seed production Farm, Silage and Hay making Project is also included .R.A.H. Centres and 1 Poultry Farm, 1 Goat farm Piggery farm, Fodder Seed Production Farm at Thenzawl.

Applied Zoology

ZL XVI A: Practical - ZOO/V/CC/15(A)

V Sem B.Sc Zoology
Students Field Work

WATER QUALITY & BIOTIC COMMUNITIES
ON FISH SEED FARM, THENZAWL



DEPARTMENT OF ZOOLOGY.
GOVT. ZIRTIRI RESIDENTIAL SCIENCE COLLEGE

DEPARTMENT OF ZOOLOGY
Govt. Zirtiri Residential Science College
Aizawl. Mizoram

**WATER QUALITY & BIOTIC COMMUNITIES ON FISH SEED FARM,
THENZAWL**

V Sem B.Sc Zoology

Students Field Work



Applied Zoology

ZL XVI A: Practical - ZOO/V/CC/15(A)



DEPARTMENT OF ZOOLOGY
Govt. Zirtiri Residential Science College
Aizawl. Mizoram

1. BRIEF INTRODUCTION

Department introduced brood stock management, operational management of hatchery, nursery management, as well as demonstration on scientific fish farming for raising productivity, culture of diversified fish species with carps and prawn farming.

Water Source : Perennial Water pH 7-7.5

No of Earthen rearing pond 9 Number of geomembrane nursery pond 7

Total water area

1.6 ha 0.15 ha 0.18 ha 0.78 ha

Visual

Geomembrane rearing pond Unserviceable pond

Total water area 7 Total Water area

6 Total water area

:Hand observations(Photo)Identification (Systematic Position)

Specimen Collection picking, netting and visual observations

Material

HDPE ALLOY - CROSS LAMINATED GEOMEMBRANE

The material, from which these HDPE liners are manufactured is a cross-laminated (electrostatically fused), multi-axially oriented, HDPE (High-Density Polyethylene) Alloy. Because of the multi-ply orientation, the material is extremely strong.

Meteorological Data during FIELD WORK

The following average data were observed and recorded during the period of monitor: -

Meteorological Data	Thenzawl
Wind Speed/velocity	0-1.4 km/hr
Wind direction	N-S
Cloud cover	95%
Precipitation (Average Relative humidity)	48%
Average Temperature	34.8
Latitude	N23° 18' 507"
Longitude	E 092 ° 48' 559"
Altitude	504m

Equipments

The following equipments/instruments were used for monitoring water quality:

Sl. No.	Parameters	Instruments/Equipments
1.	Ambient temperature	(i) Digital Thermo-hygrometer (range – 50°C – 280°C) (ii) Digital stem thermometer (range – 10°C – 200°C)
2.	pH	BR Bichem Digital pH meter & electronic India
3.	Water quality (physical)	(i) Water Analyzer PE – 138 (ELICO) (ii) Deluxe Water & Soil Analysis Kit (EI Product – model 191 E)
4	Turbidity meter	(i) EC
5.	Software	i) SPSS version 26 ii) MS office 2019 (iii) Mac OS Catalina 15.10.5

MONITORING WATER QUALITY

To assess the water quality samples were taken upstream and downstream from container and pipes

1. Monitoring water quality

Sl No	Parameters	FISH FARM	IS 10500: 2012 BUREAU OF INDIAN STANDARDS (BIS 2012)	Remarks
1	Temperature (°C)	23.3	-	Under permissible limit
2	pH value	7.8	6.5-8.5	Under permissible limit
3	Turbidity (NTU)	4.1	5	Under permissible limit
4	TDS (mg/L)	85.1	500 mg/l	Under permissible limit
5	DO (mg/L)	5.7	-	Under permissible limit
6	Hardness	58.3	600	Under permissible limit
7	Fluoride (mg/L)	Not detected	1.5	Not detected
8	Nitrate (mg/L)	16	45mg/l	Under permissible limit
9	Sulphate (mg/L)	47	400mg/l	Under permissible limit
10	Iron (mg/L)	Not detected	0.3	Not detected
11	Total coliform	Not detected	Shall not be detectable in any 100 ml sample	Not detected

Species stocked

- 1. Indian major carp viz....Catla catla, Labeo rohita, Cirrhinus mrigala**
- 2. Exotic carp viz...Hypophthalmichthys molitrix (silver carp), Ctenopharyngodon idella (grass carp), Cyprinus carpio (common carp)**

REMARK

Due to probable contamination of water by foreign particle in the water tank that could contain germs or any dead animal, regular inspection and cleaning of water tank.

Sl No	Roll No	Name
1	1707BS004	LALREMRUATA
2	1707BS007	LALRINDIKI RALTE
3	1707BS009	M. LALRINSANGI
4	1707BS010	VANLALRUATI
5	1707BS011	MICHAEL LALTHAKIMA
6	1707BS012	LALKROSMAWII
7	1707BS013	ZODINMAWII
8	1707BS016	LALRUATFELI
9	1707BS019	LALREMRUATA KULLAI
10	1707BS021	LALRUATFELI
11	1707BS022	JOHN LAMTHANGLIANA
12	1707BS023	THANGRODINGA
13	1707BS024	HC LALTHAFAMKIMA
14	1707BS025	VANLALVENHIMA
15	1707BS031	K. LALHMINGSANGI
16	1707BS032	ZORINFELI
17	1707BS033	FRANCIS LALRAMDINNGHETA
18	1707BS034	HENRY LALHRUAITLUANGA
19	1707BS039	J. ROCHAMLIANA
20	1707BS043	K.T. NINGSAWNKIM
21	1707BS047	VANLALTHANMAWIA
22	1707BS053	LALRINTLUANGA
23	1707BS061	LALRINSANGI
24	1707BS062	ST. VABEIHNEIPHA
25	1707BS063	MERCY KAISANGPUII
26	1707BS072	NGURSANGZUALI
27	1707BS074	SAIZIKPUIA SAILO
28	1707BS077	NANCY LALLUNGHNEMI RALTE
29	1707BS078	LALENGMAWII
30	1707BS080	RUPAM CHAKMA
31	1707BS081	JOSEPHINE LALBIAKNUNGI
32	1707BS085	RICKY LALRINFELA
33	1707BS090	LALLAWMZUALA
34	1707BS091	ANGELA LALREMSIAMI
35	1707BS094	LALHIMPUIA
36	1707BS096	K. DORIS NGOKHIPITHIE
37	1707BS98	CINDY LALCHHANCHHUAHI
38	1707BS101	LALCHHANHIMA RALTE
39	1707BS102	LALTHAFAMKIMA
40	1707BS140	LIANTINTHANGA
41	1707BS159	BENJIM LALTHABERA
42	1707BS162	AWMPUIZELI FANAI
43	1707BS165	FREDY LALRUATFELA HRAHSEL

Final Year Project Work : BCA601P
Department of Computer Sciences
Govt. Zirtiri Residential Science College

				Name of the Project
1	C. LALRINFELI	1707BCA001	1703166	College Management System
2	JOSEPH LALVENSANGA HNIALUM	1707BCA002	1703167	SSB Store Management
3	C. HMANGAIHROPUA	1707BCA003	1703168	Zoinfotech
4	LALRINHLUI	1707BCA004	1703169	School Management System
4	CLEMENT LALTHLANGFELA	1707BCA005	1703171	Library Management System
5	JACOB LALTHANGHNUNA	1707BCA007	1703173	Library Management System
6	M. LALBIAKMUANI	1707BCA009	1703170	Stock Management System
7	LALSANGZUALA	1707BCA010	1703175	School Management System
8	B. LALNUNPUA	1707BCA011	1703176	Fast Food Restaurant Management System
9	K. ZOSANGZUALA	1707BCA012	1703177	Fast Food Restaurant Management System
10	LALCHHANMAWIA	1707BCA013	1703179	School Management System
11	PC LALHRIATPUII	1707BCA014	1703180	EHS Pharmacy Management
12	R. LALDINTHARA	1707BCA015	1703181	College Management System
13	STEVEN VANLALVENHIMA	1707BCA016	1703182	Online Shopping System
14	LALMUANAWMA CHAWNGTHU	1707BCA017	6895 of 2014	Muallungthu Presbyterian Kohhran Sum Vawwna
15	VANLALDUATA	1707BCA018	1703184	Zoinfotech
16	LALMALSAWMA	1707BCA019	1703185	SSB Store Management
17	LALRAWNGBAWLA	1707BCA020	1703186	SSB Store Management
18	C. MALSAWMTLUANGI	1707BCA021	1703187	EHS Pharmacy Management
19	LALMUANAWMI	1707BCA022	1703200	College Management System
20	ROHMINGSANGA	1707BCA026	1703192	Stock Management System
21	JOSEPH LALFAKAWMA	1707BCA027	1703199	Zoinfotech
22	LALHMINGLIANI	1707BCA028	1703193	Stock Management System
23	VANLALFELPUA SAILO	1707BCA029	1703194	Fast Food Restaurant Management System
24	SAMUEL MALSAWMSANGA	1707BCA030	1703195	EHS Pharmacy Management
25	PC DAVID	1707BCA025	1703191	Library Management System



HOD
Department of Computer Sciences
(GZRSC)

Department of Biochemistry, GZRSC

Name of the Program: Field work on Molecular techniques

Date; 20th February, 2020

Total no.of students participated : 14 nos (4th Semester)

List of students:

Sl.No	Roll No	Registration no	Name
1	1807BS019	1806639	Eleni
2	1807BS023	1806643	F. Lalmalsawmi
3	1807BS028	1806649	H.D.Zirsangzeli
4	1807BS034	1806656	Johnny Lalmuanzova
5	1807BS057	1806684	Lalhriatsanga
6	1807BS067	1806695	Lalmuanzuali
7	1807BS078	1806709	Lalramnghaka
8	1807BS093	1806726	Lalruatsanga
9	1807BS097	1806730	Lalthanpuii
10	1807BS101	1806734	Linda laltanpuii
11	1807BS103	1806736	Malsawmkimi
12	1807BS106	1806739	Malsawmzuali
13	1807BS120	1806753	Remtluangpuii
14	1807BS128	1806762	Salemtharmawii

REPORT ON VISIT TO ZONUN MATPLY PVT. LIMITED INDUSTRY, LENGPUI.

ZonunMatplyPvt. Limited Industry was visited on 28th September 2016 by Chemistry Core Students of Govt. Zirtiri Residential Science College.

The purpose of the visit was (a) to encourage entrepreneur profession to students (b) the role and importance of chemist in industry.

Visit of the Industry was arranged with the proprietor. The manager greets us with warm welcome. The manager guided us during the entire visit. All the detailed process was explained at each steps of the manufacturing process. The students showed keen interest and asked all possible questions for all the process. The manager noted and clarified all the questions raised by the students with deep knowledge background and simple expressions.

The students were happy to have an opportunity to visit such a well-established industry. The next visit for core student was proposed for 2019-20 session but could not be carried out due to covid-19 pandemic. Hopefully the next visit will be carried out in the 2020-21 session.



(Dr. LALHMINGLIANA HNAMTE)

Head

Department of Chemistry

Govt. Zirtiri Residential Science College.

Aizawl. Mizoram.



GEOLOGY DEPARTMENT

Field work during last academic session

1. Geological field work at Kolasib during 18th to 19th October 2019 for 5th Semester students. This field visit focus on Field surveying techniques, measurement of pith, plunge, throw, heave and stratigraphic separation and visiting the ongoing railway projects in Khamrang area based on fifth semester syllabus Core course IX and X Engineering Geology and Surveying and field Geology.

The field work is also based on Core course XI and XII Sedimentology and Sequence stratigraphy where students identified the relationship between various sedimentary facies and textures in field and distinguishing lithologic characters between different types of sedimentary rocks.

List of students

Sl. No.	Roll No.	Name
1	1707BS142	R. VANLALAWMPUIA
2	1707BS143	H. LALRINNGHETA
3	1707BS148	LALCHHUANMAWIA
4	1707BS149	DENNIS ZAITHANPUIA
5	1707BS150	LYDIA NGURTHANMAWII
6	1707BS152	LALTHANPUII
7	1707BS154	LALMUANPUII
8	1707BS156	VANLALSAWMA
9	1707BS157	P.C LALLAWMPUIA



2. Visit of Geology Laboratory, Mizoram University for 5th Semester students on 15th October 2019. Students were given time to interact with the faculty members and research scholars. Different laboratories like petrology, sedimentology, geochemistry and paleomagnetic laboratory were visited under the guidance of technical assistant and scholars. Dr. J. Malsawma, Assistant Professor gave a lecture on Paleomagnetism and magnetostratigraphy followed by demonstration of Palaeomag laboratory equipments. This activity is based on Core course XI (Sedimentology and Sequence stratigraphy) and Core course XIII (Igneous and metamorphic petrology). Paleomagnetic laboratory visit is based on Core course IX Unit V Paleomagnetism.

3. List of students

Sl. No.	Roll No.	Name
1	1707BS142	R. VANLALAWMPUIA
2	1707BS143	H. LALRINNGHETA
3	1707BS148	LALCHHUANMAWIA
4	1707BS149	DENNIS ZAITHANPUIA
5	1707BS150	LYDIA NGURTHANMAWII

6	1707BS152	LALTHANPUII
7	1707BS154	LALMUANPUII
8	1707BS156	VANLALSAWMA
9	1707BS157	P.C LALLAWMPUIA



3. Structural analysis of GZRSC campus, Ramthar. Data collection using Brunton compass, field move clino app, and identification of lithology and stratigraphy using field techniques on 27th August, 2019 for 5th semester students.

Sl. No.	Roll No.	Name
1	1707BS141	GABRIEL LALFAKZELA
2	1707BS142	R. VANLALAWMPUIA
3	1707BS143	H. LALRINNGHETA
4	1707BS148	LALCHHUANMAWIA
5	1707BS149	DENNIS ZAITHANPUIA
6	1707BS150	LYDIA NGURTHANMAWII
7	1707BS152	LALTHANPUII
8	1707BS154	LALMUANPUII
9	1707BS155	ERIC LALREMRUATA
10	1707BS156	VANLALSAWMA
11	1707BS157	P.C LALLAWMPUIA

