

**SAO CHANG COLLEGE**  
**BOTANY DEPARTMENT**  
TUENSANG, NAGALAND

**Report on Visit to BSL 2 , District Hospital, Tuensang**

On October 28, 2024, the Botany Department of Sao Chang College, Tuensang, paid a visit to the District Hospital, Tuensang Integrated Molecular Diagnostic and Research Laboratory (BSL 2). 8 (Eight) Bio Chem students accompanied by 4 (Four) Assistant Professor from Botany and Zoology Department participated in the visit.

The objectives of the visit are

To provide students and faculty with practical exposure to a well-established microbiology laboratory

To familiarize students with advanced laboratory infrastructure and major equipment used during the pandemic period.

To enhance understanding of standard laboratory protocols, biosafety measures, and good laboratory practices (GLP).

To bridge the gap between theoretical knowledge and practical application through hands-on training sessions.


To introduce students to important molecular and immunological techniques and

To encourage academic collaboration between the institution and the microbiology laboratory for future training programs.

Dr. Mohan Sharma (Microbiologist), gave a brief insight about the establishment of the Laboratory and also expresses that collaboration can be done for such kind of trainings to the students and faculty, followed which the students were divide into two groups. The programme was divide into two session which was led by Dr. Mohan Sharma (Microbiologist) and supporting Technician. During the first session, the students were given a tour to all the Laboratories where they learned about the various equipments that were utilized during the pandemic period and also the protocols to be followed. Additionally students also learned about the personal protection and good lab practices. Following a brief break, theory and hands on were provided in the following areas: Polymerase Chain Reaction (PCR) Technique, Gel Electrophoresis, Enzyme Linked Immunosorbent Assay (ELISA), Spectrophotometry (Nanodrops), Chromatography Technique (TLC & Column) and Real Time PCR (RT-PCR) were given theory as well as hands on.

Vote of thanks was delivered by Ms. Tongpangkokla Chang, HoD, Department of Botany where she expressed her gratitude to Principal, Sao Chang College, Medical superintendent, Senior Medical Officer , District Hospital Tuensang for granting the permission to visit the Integrated Molecular Diagnostic and Research Laboratory (BSL 2) . She also thank to all the staff of Integrated Molecular Diagnostic and Research Laboratory (BSL 2) for their unwavering efforts in helping the students comprehends the various components of all the equipments.

The visit provided students with practical and theoretical exposure to advanced microbiological techniques such as Polymerase Chain Reaction, Real Time PCR, ELISA, Gel Electrophoresis, spectrophotometry, and chromatography, while enhancing their understanding of laboratory equipment, biosafety measures, and good laboratory practices followed during the pandemic. Moreover, MoU between the institute was also discussed in principle for future trainings.

  
Tongpangkokla Chang  
Assistant professor & HoD



**SAO CHANG COLLEGE**  
**Botany Department**  
 Tuensang: Nagaland

*Visit of BSL 2, District Hospital, Tuensang on 2<sup>nd</sup> October 2024*

Sl.No	Name of the student	Programme name and semester	Whatsapp number	Signature
<b>Students Attendance</b>				
1	Sochemlemla Chang	B.Sc 5 <sup>th</sup> semester	9612779784	<i>Sochemlemla</i>
2	Jasmin Begom	B.SC 3 <sup>rd</sup> Semester	98626 00176	<i>Jasmin</i>
3	Mariya K Saji	B.SC 3 <sup>rd</sup> Semester	60095 68569	<i>Mariya</i>
4	Nyemang K Chang	B.SC 3 <sup>rd</sup> Semester	81328 77974	<i>Nyemang</i>
5	Sungmo Kundang Chang	B.SC 3 <sup>rd</sup> Semester	98639 17267	<i>Sungmo</i>
6	Chemdan Sangpenla H Chang	B.SC 1 <sup>st</sup> Semester	70050 17521	<i>Chemdan</i>
7	Hanphula R Yimchunger	B.SC 1 <sup>st</sup> Semester	98638 10315	<i>Hanphula</i>
8	Naong Monyu	B.SC 1 <sup>st</sup> Semester	70056 20728	<i>naong monyu</i>
<b>Faculty Attendance</b>				
1	Tongpangkoka Chang	Botany, Asst prof	878 775 3922	<i>Tongpangkoka</i>
2	Tekameren Walling	Botany, Asst prof	8118922478	<i>Tekameren</i>
3	Dr. S Arenla	Botany, Asst prof	98622 17994	<i>S Arenla</i>
4	K Vidifa Jing	Zoology, Asst prof	93661 41476	<i>K Vidifa</i>

Authenticated

Arenla

Principal  
 Sao Chang College  
 Tuensang : Nagaland