



Department of **BIOCHEMISTRY**  
**St. Edmund's College**  
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Experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences  
via  
"Vocational Training Course on Protein Purification Techniques"

The VTC on Protein Purification Techniques was "designed to enable the slow learners to reinforce the concepts of protein purification steps via hands on training (experiential learning) and complete the course on their own pace".

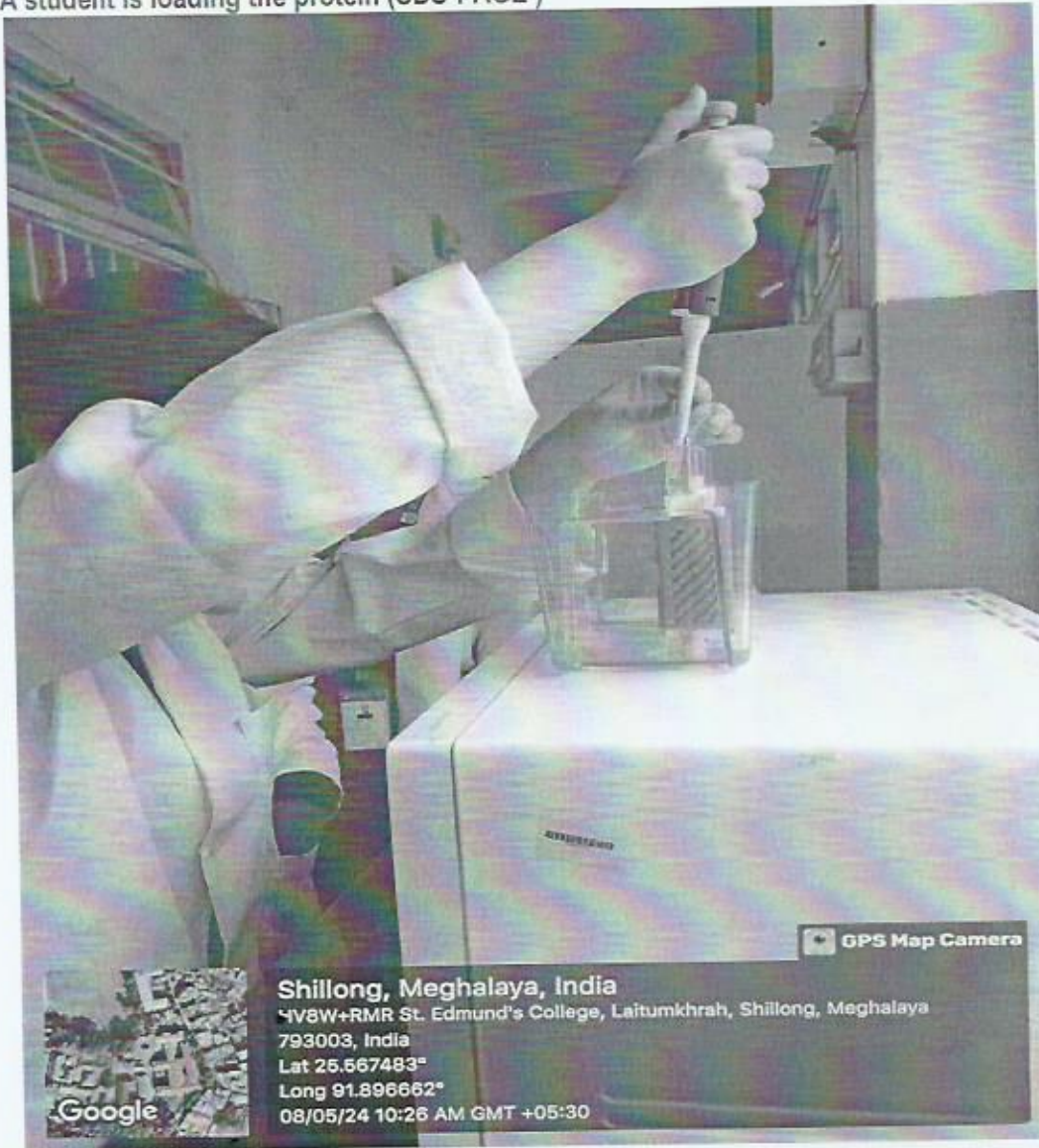
Through **laboratory experience the students** will be able to understand on the application of various biophysical techniques to achieve a particular goal to purify a protein of interest.

**Detailed Report:** Attached in with Criterion 1.1.2 (VTC Report).



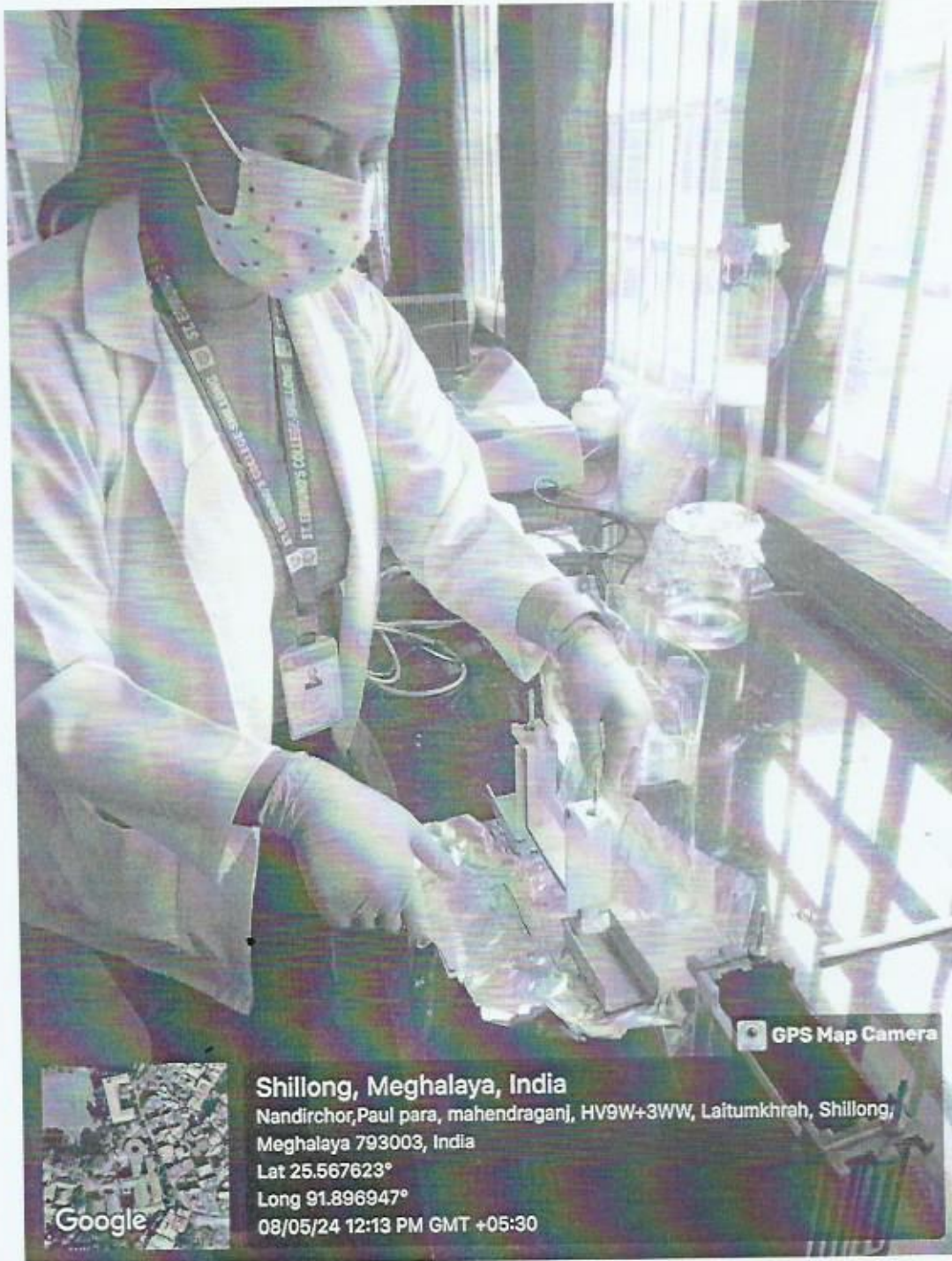
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A student is loading the protein (SDS-PAGE )





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Shillong, Meghalaya, India  
Nandirchor, Paul para, mahendraganj, HV9W+3WW, Laitumkhrah, Shillong,  
Meghalaya 793003, India  
Lat 25.567623°  
Long 91.896947°  
08/05/24 12:13 PM GMT +05:30

GPS Map Camera



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A student is preparing the gel cassette for transferring the protein to the nitrocellulose membrane (Western Blot)



(Signature of all members)

*Syndiah*  
Dr. Omarlin Kyndiah  
Associate Professor & Head  
Biochemistry Department  
St. Edmund's College  
Shillong

(Signature of HOD)



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Report on student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

## Power Point Presentation

Objective:

1. To motivate students to learn via literature review and PowerPoint presentation

Outcome:

1. Students prepared the content of the topic and deliver on the same successfully



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### Sample Score Sheet for PowerPoint Presentation by Sixth semester students 2024

1/0/24

Seminar 6 Semester 2024  
Department of Biochemistry  
(Total marks: 19)

10

Presenter 1: Jomir  
Topic: Prokaryotic transcription (1) (2)  
Slides preparation/ materials: (2) (5)  
Presentation: (3) (5)  
Interaction/Discussion: (3) (7)  
Teacher Signature: [Signature]

Seminar 6 Semester 2024  
Department of Biochemistry  
(Total marks: 19)

16

Presenter 2: Pooja Pandey  
Topic: bacterial Genetics (2) (2)  
Slides preparation/ materials: (3) (5)  
Presentation: 5 (5)  
Interaction/Discussion: (6) (7)  
Teacher Signature: [Signature]  
1/0/24

Seminar 6 Semester 2024  
Department of Biochemistry  
(Total marks: 19)

13

Presenter 1: Jomir  
Topic: Prokaryotic transcription (1) (2)  
Slides preparation/ materials: 5 (5)  
Presentation: 3 (5)  
Interaction/Discussion: 4 (7)  
Teacher Signature: [Signature]  
1/0/24

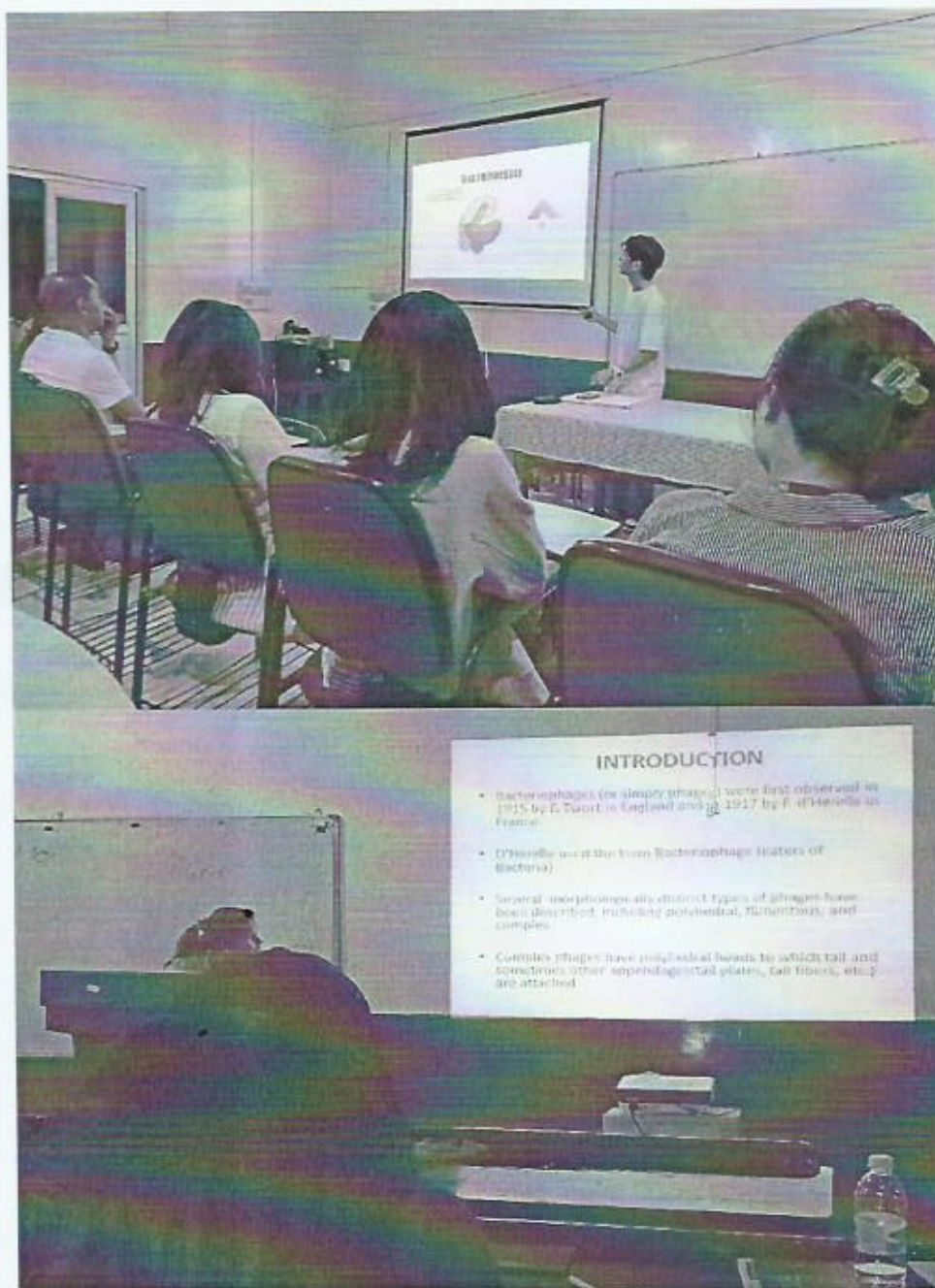


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### Fifth Semester Students giving Power Point Presentation





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- 1) Dr. Khetladeri Hadem Hadem
2. Dr. B. K. K. K. K.
3. Dr. J. W. W. W.



(Signature of all members)

Dr. Omarlin Kyndiah  
Associate Professor & Head  
Biochemistry Department  
St. Edmund's College  
Shillong

(Signature of HOD)