

Excursion and Field Project

Department of Botany
Panskura Banamali College
(Autonomous)



Place : Latpanchar, Darjeeling

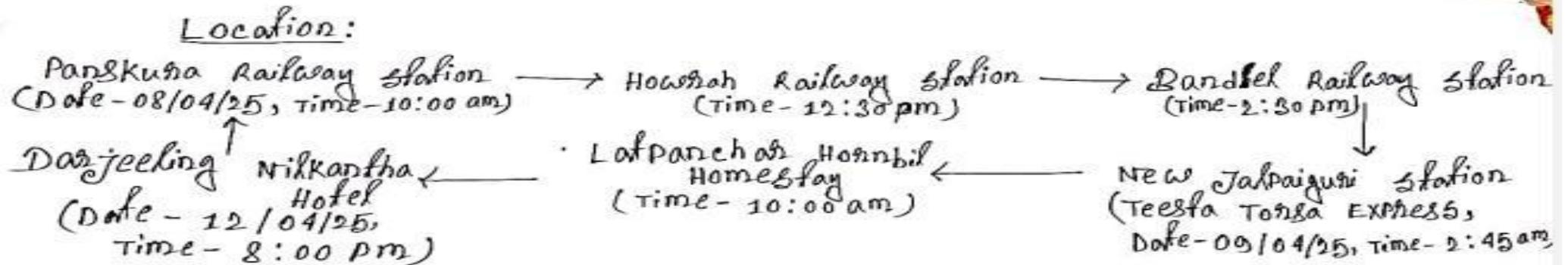
Date : 10.04.25

Number of students : 53



Location ::

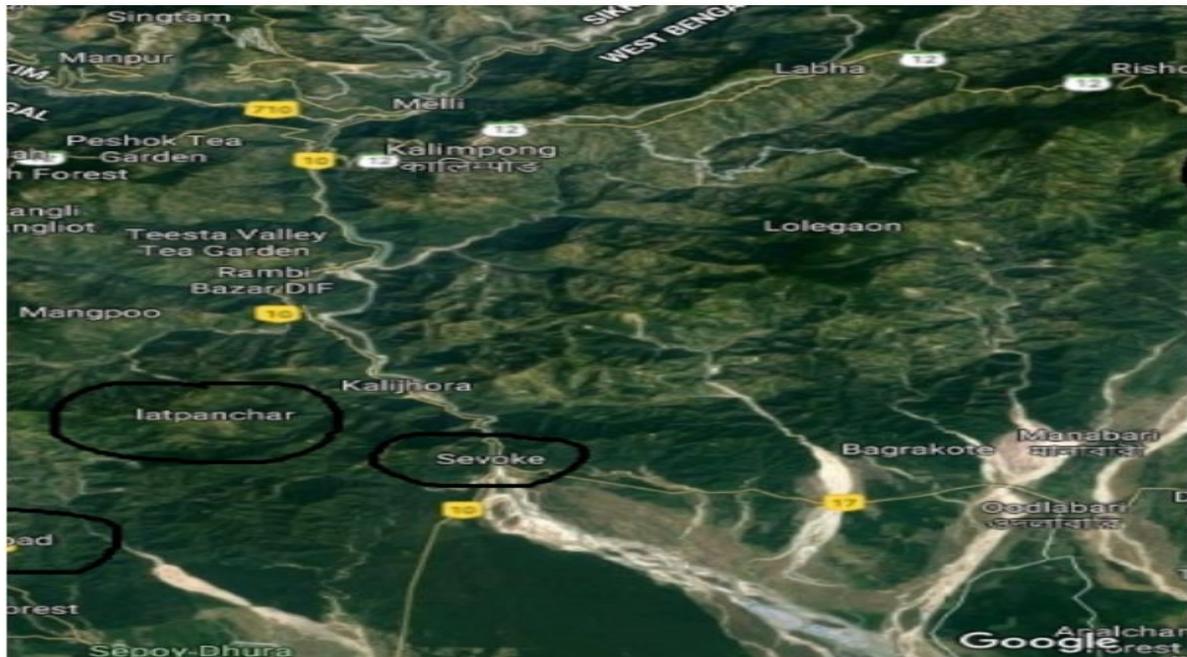
- Panskura Railway Station To Howrah Railway Station to Bangle Railway Station to New Jalpaiguri station to Latpanchar Hornbil Homestay to Darjeeling (Nilkantha Hotel)



STUDY PLACE

Latpanchar

Situated at the highest point of Mahananda wild life sanctuary at an altitude of 4200ft with a mesmerizing view of the Teesta river is a hidden gem called Latpanchar. Located amidst the Mahananda wild life sanctuary, Latpanchar is a quaint forest village 40 km away from Siliguri known for its unique location, Latpanchar with has been endowed with the immense richness of pristine nature. Latpanchar with it's surreal gifts of nature and awe-inspiring view of Mt. Kanchenjaunga is making it's way towards the most favored destination on the traveler's list who admires the beauty of nature..





General Information About Study Sites: Namthing Pokhri:

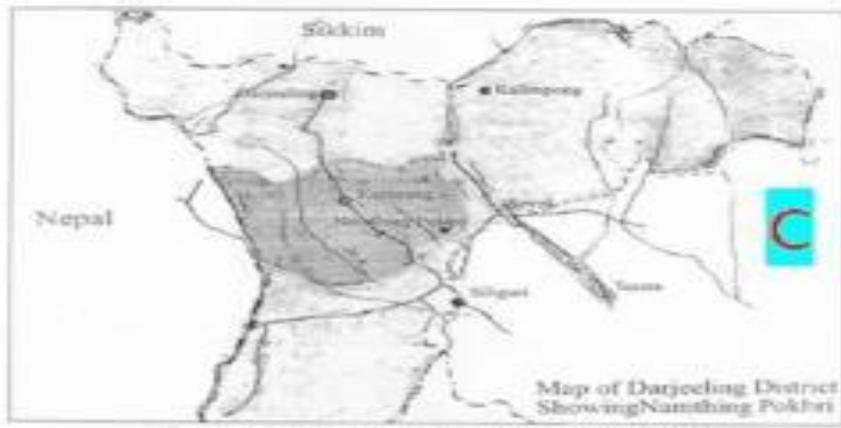


Figure Location map of Namthing Pokhri

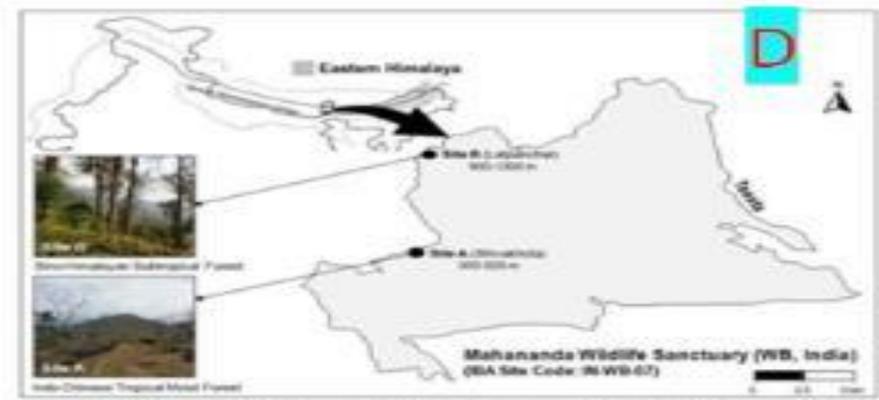


Figure: Geographical Location of Mahananda Wildlife Sanctuary (MWS) in the Eastern Himalaya. Plot of the study sites within MWS, Shivukhola (Site A) and Lalpurchar (Site B). Distinct forest biomes found at sites (inset, left).

C and D is taken by a project report in Calcutta university

Objective of field excursion ::

The objective of a field excursion Provide practical exposure and real -understanding of theoretical concept learned in the classroom. It helps students to observe natural and man –made phenomena in their actual environment. Enhancing their analytical , observational and data collection skills. Field excursion also encourage experimental learning , promote time work and depend appreciation for subject matter by interacting direct with the field. Students gain a more comprehensive and applied understanding of their study.

Field excursion organized more objective are as follows :-

- a) Practical application of knowledge
- b) Enhancement of observational and analyting skil
- c) Experimental learning
- d) Exposure to real environments
- e) Data collection for research
- f) Teamwork and collaboration
- g) Improved retention of knknowledge
- h) Development of social and environ.mental awareness
- i) Encouragement of curiosity and iinquire
- j) Holistic development

Introduction about tour ::

- **Tour** : - A tour is a planned and organized visit several places often for sightseeing , learning or exploration. It typically involves a pre-determined itinerary and can be guided or non-guided.
- **Educational Tour** : - An educational Tour , also known as a field trip , is a planned journey by students and teachers to a location outside their regular classroom, designed to provide practical, real – world learning experiences that enhance their understanding of academic subjects.

These trips aim to supplement classroom learning by offering hands-on experiences, cultural exposure and development.

Botanical tour ::

Botanical tourism is travel for the purpose of viewing the varied flora of a region, district or in the case of some specific species even a single plant.

It is a guided tour or excursion focused on exploring and learning about plants, trees, microbiomes and flowers in a specific region or ecosystem.

Importance of field excursion ::

1. **Accurate data collection** : They provide first - hand ,reliable data.
2. **Real world insights** : They help understand natural resources and environment
3. **Cost effective** : Compared to controlled experiments, they are often cheaper

Results ::

SAMPLE	LOCATION
1) <u>Cladonia pyxidata</u> (Bryophytes)	Mahldiram Rd
2) <u>Marchentia Streimanni</u> (Bryophytes)	Latpanchar WC74+659
3) <u>Atrichum unduiatum</u> (Bryophytes)	Sansari view point
4) <u>Marchentia sp. Gemma Cup</u> (Bryophytes)	Latpanchar WC 74+659
5) <u>Dryopteris</u> (Male Fern)	Mahaldiram Rd
6) <u>Lycopodium clavatum</u> (Pteridophytes)	Mahaldiram Rd.
7) <u>Equisetum bogotense</u> (Pteridophytes)	Mahaldiram Rd
8) <u>Saccogyna viticulosa</u> (Marchantiophyte)	Latpanchar WC73+78C
9) <u>Tentipholia sp.</u> (Bryophytes)	Latpanchar WC 73+78C
10) <u>Hypnum subimponents</u> (Moss)	Mahaldiram Rd
11) <u>Sellaginella lepidophylla</u> (Pteridophytes)	Latpanchar WC98x+7ph
12) <u>Grimmium dendroides</u> (Moss)	Latpanchar WC73+4rc
13) <u>Peleopeltis astrolepis</u> (Orchid)	Latpanchar W98x+7ph
14) <u>Syntricha ruralis</u> (star moss)	Mahaldiram Rd
15) <u>Phlyctis argena</u> (Lichen)	Latpanchar Rd

Bryophytes	Location
<u>Cladonia</u> <u>pyxidata</u>	<u>Latpanchar</u>
<u>Marchentia</u> <u>Streimanni</u>	<u>Sittong</u>
<u>Marchentia sp.</u>	<u>Latpanchar</u>

Other sample

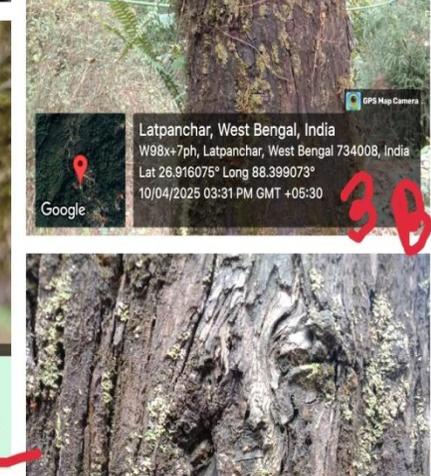
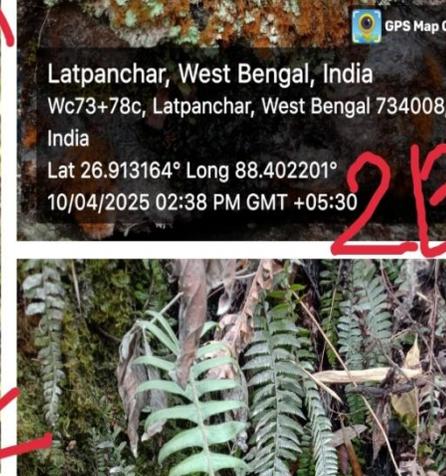
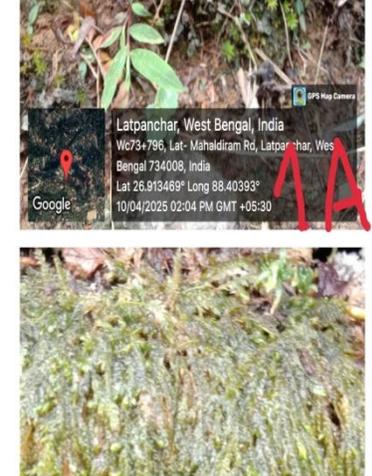
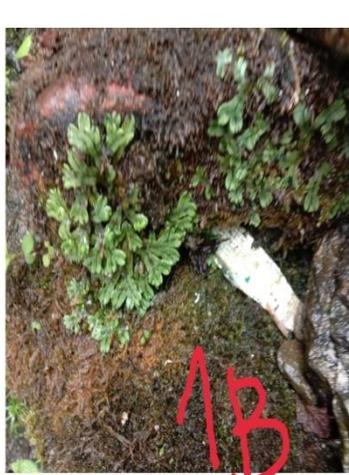
<u>Pteridophytes</u>	Location
<u>Lycopodium</u> <u>clavatum</u>	<u>Latpanchar</u>
<u>— Equisetum</u> <u>bogotense</u>	<u>Latpanchar</u>
<u>Pteris sp.</u>	<u>Latpanchar</u>
<u>Sellaginella</u> <u>lepidophylla</u>	<u>Latpanchar</u>

Other sample

Angiosperms	Location
<u>Chinchona</u> <u>oflicinalis</u>	<u>Latpanchar</u>
<u>— Peleopeltis</u> <u>astrolopis</u>	<u>Latpanchar</u>
<u>Pinus</u> <u>hoxopurghii</u>	Dar jeeling
<u>— Camellia</u> <u>sinesis</u>	Dar jeeling
<u>Juniperus</u> <u>indica</u>	<u>Latpanchar</u>

Result:

Sl. No	Collection sample	Found in tree/rock	Scientific name
1.	Algae	Rock	<i>Terentepholia</i> sp.
2.	Bryophyte	Rock	<i>Cladonia pyxidata</i>
3.	Bryophyte	Rock	<i>Marchantia</i> sp.
4.	<i>Bryophyte</i>	<i>Rock</i>	<i>Hypnum subimponens</i>
5.	<i>Bryophyte</i>	<i>Rock</i>	<i>Climacium dendroides</i>
6.	<i>Bryophyte</i>	<i>Rock</i>	<i>Atrichum undulatum</i>
7.	<i>Bryophyte</i>	<i>Canal</i>	<i>Riccia</i> sp.
8.	<i>Bryophyte</i>	<i>Wall</i>	<i>Funaria</i> sp.
9.	<i>Pteridophyte</i>	<i>Rock</i>	<i>Lycopodium clavatum</i>
10.	<i>Pteridophyte</i>	<i>Rock</i>	<i>Sellaginella lepidophylla</i>
11.	<i>Pteridophyte</i>	<i>Rock</i>	<i>Equisetum bogotense</i>
12.	<i>Pteridophyte</i>	<i>Rock</i>	<i>Dryopteris</i> sp.







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10 Apr 2025, 4:07 pm



Latpanchar, West Bengal, India

Lat- Mahaldiram Rd, Latpanchar, West Bengal 734008, In
Lat 26.91772° Long 88.398488°
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Google

Latpanchar, West Bengal, India
Lat- Mahaldiram Rd, Latpanchar, West Bengal
734008, India
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Lat 26.913855° Long 88.402963°
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Google

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734008, India
Lat 26.918873° Long 88.399198°
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Outcome of the field project

- I have got a basic idea about the distribution pattern and habitat of different types of criptogames.
 - I have learn the how the attitudinal variation changes the vegetation type.
 - I also learn a skill how a group work can be done.
 - I also learn about different types orchids which are not generally found in our locality.
 - I also learn the species differentiation of different aquatic body.
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CONCLUSION

Our study tour was very interesting, student participants interacted in a very well disciplined manner cooperated well with the teacher guides and overall the tour was grand success. We realised that viewing the flora and fauna in its natural form made us things vivid enhancing the classroom lectures and laboratory experiments.

Last but not the least I would like to mention the quotation 'PRACTICE WITHOUT THEORY IS BLIND AND THEORY WITHOUT PRACTICE IS STERILE'

So theory and practice must go hand in hand all the time.