REPORT ON A STUDY TOUR TO SAHITYA MANISHI UPAVAN

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class - B.SC 2nd semester

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year - 2022

CERTIFICATE

This is to certify that Sri Dhunba Jyoti Kachari Roll NO:- 71; has participated in the study tour conducted by the Department of Botany; N. N. Saikia College for 2nd semester students in 18.06.2022. I certify that the report being brought out in this form is the result of her endeavour and hard work, under my supervision. I recommed the report for evaluation

Examined
B Barkataki
1/07/2022

ACKOWLEDGEMENT

I am very grateful to Dr. Malakshmi Datta ma'am, Head of the Department, Botany for organizing the study tour. I express my sincere gratitude to Dr. Nazim Fonid Islam Sir, Asst professor, Department of Botany for his unfailing support and for conducting the study tour successfully. I would like express my heart felt thanks to Dr. Pranab Bhattacharya Sir, Asst. Professor, Botany Department, for his co-operation and support throught the tour.

I am thankfull to my classmates for their constant motivation and encouragement.

Introduction:-

The field study as per the curriculum was an exposure trip to a place of rich biodiversity. The field study tour programme of the 2nd semester students of Botany Department N.N Saikia college was planned on the date of 18th June 2022. It was an educational tour to Sahitya Manishi Upaban.

Sahitya Manishi Upaban is a park full of plant biodiversity; situated at kumar gaon in Titabar. It was inaugarated by the Ministry of Environment, Forest and climate change Assam in 30 July, 2020 by Shree Parimal Suklyabadya.

Biodiversity found :-

Sahitya Manishi Upaban, located at kundan gaon, Titaban is full of plant diversity which includes Fungus, Pteridophytes, Bryophytes, Gymnosperms and Angiosperms.

One can find different types of orchids, medicinal plants, different species of Bamboo, ornamental plants etc. Various plants of economic importance like - Salkuoni (aloebarbadensis); Gathiyan (kaempferia galanga); Rudraksha (Eleocarus ganitrus); Bon Gras (Ficus benghalensis); Dhuna (Canarium bengalense); Ronga chandan (Pterocarpus santalinum) are also found.

The different types of Plant species are planted separately on the area which includes; Medicinal plants, Angiosperms.

Orchids, Ferns, Cactus, Ornammental plants etc.

Fungal species like Agaricus abruptibulbus and Red ring rot; [Phellinus pini] were found.

Bryophyta like Lunularia cruciata; Marchantia and Sphagnum flexuosum were found.

Pteridophites were quite abundantly found; which include species like Pteris vittata; Diplazium dietrichianum; Huperzia selaga; Adiantum capillus-veneris; Lygodium and various other ferns.

Gymnosperms like Cycas were found.

Angiosperms was abundantly found; which include Bon galphai; Kaju Badam, Amlakhi Chanichampa, Karaki etc.

Kingdom - Fungi
Division - Basidiomycota
class - Agaricomycetes
Order - Agaricales
Family - Agaricaceae
Genus - Agaricus.
Species - A. abruptibullus

Agaricus abruptibullus

① The mushroom is medium sized with a white, yellow staining cap on a slender stipe that has a wide, flat bulb on the base.

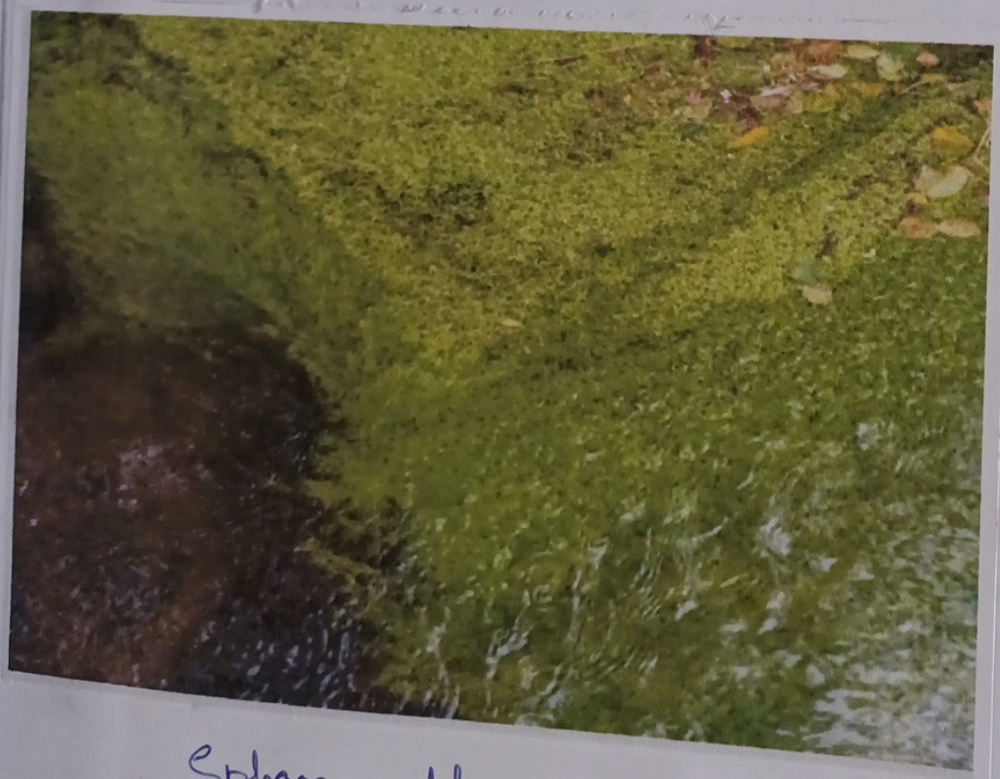
Kingdom - Plantae
Division - Marchantia-phyta
class - Marchantiopsida
Order - Marchantiales
Family - Lunulariaceae
Genus - Lunularia
Species - L. cruciata

Lunularia cruciata

⇒ It grows on damp, shaded and disturbed habitats such as path and wall edge.

Pteris vittata

Kingdom - Plantae
clade - Tracheophytes
Division - Polypodiophyta
class - Polypodiopsida
Order - Polypodiales
Family - Pteridaceae
Sub-family - Pteridoideae
Genus - Pteris



Sphagnum flexuosum

kingdom - Plantae
Division - Bryophyta
class - Sphagnopsida
Order - Sphagnales
Family - Sphagnaceae
Genus - Sphagnum

Diplazium dietrichianum

Kingdom - Plantae

Clade - Tracheophytes

Division - Polypodiophyta

Class - Polypodiales

Order - Polypodiales

Sub-Order - Aspleniineae

Family - Athyriaceae

Genus - Diplazium

Huperzia selage

Kingdom - Plantae

Clade - Tracheophytes

Division - Lycophytes

Class - Lycopodiopsida

Order - Lycopodiales

Family - Lycopodiaceae

Sub-family - Huperziaceae

Genus - Huperzia

Adiantum capillus-veneris

Kingdom – Plantae
Clade – Tracheophytes
Division – Polypodiophyta
Class – Polypodiopsida
Order – Polypodiales
Family – Pteridaceae
Genus – Adiantum
Species – A. capillus-veneris

C. circinalis

Kingdom – Plantae
Clade – Tracheophytes
Division – Cycadophyta
Class – Cycadopsida
Order – Cycadales
Sub-order – Cycadineae
Family – Cycadaceae
Genus – Cycas

Conclusion :-

It was a wonderful and learning experience for me while working on this project. This project took me through the various phases of project development and gave me real insight in the world of plant biodiversity. The joy of work and the thrill involved while tackling the various problems and challenges gave me a full of developers industry.

I enjoyed each and every bit of work I had put into this project.