




# HOLY CROSS COLLEGE

Accredited by NAAC with 'A+' Grade

## DEPARTMENT OF BOTANY

### Project : 6<sup>th</sup> Semester- Botany Hons Students, 2023

Sl. No.	Tripura University Roll No.	Name of the Student	Title/ Topic of the Project	Supervisor
1	2015000869	Ishmita Acharjee	Morphological study of <i>Bauhinia acuminata</i> from Tripura	Dr. Debasree Lodh
2	2015000880	Ojaswini Jamatia	Palynology of <i>Bauhinia acuminata</i> and <i>Cassia javanica</i>	Dr. Somnath Kar
3	2015000881	Poushali Bhattacharya	Comparative morphological study of two different genus of Fabaceae	Dr. Debasree Lodh
4	2015000882	Prajna Debbarma	Palynological study of <i>Senna alata</i> and <i>Senna tora</i>	Dr. Somnath Kar
5	2015000883	Raima Debnath	To conduct a food survey at Sipaipara, Lembucherra	Dr. Dipanwita Chaudhuri Sil
6	2015000902	Tuhi Chowdhury	Palynology of <i>Cassia fistula</i> and <i>Peltophorum pterocarpum</i>	Dr. Somnath Kar
7	2015000904	Abhradeep Majumder	Study members of Solanaceae in South Tripura with some special reference to <i>Solanum lycopersicum</i> and <i>Solanum ovigerum</i>	Dr. Dipanwita Chaudhuri Sil
8	2015000908	Bipratip Dhar	Study of members of Solanaceae in Sipahijala with special reference to <i>Solanum violaceum</i> and <i>Capsicum annum</i>	Dr. Dipanwita Chaudhuri Sil
9	2015000909	Biraj Deb	Study of members of Solanaceae in Khowai District with special reference to <i>Solanum melongena</i> and <i>Solanum indicum</i>	Dr. Dipanwita Chaudhuri Sil
10	2015000910	Bishal Saha	Study of the members of Solanaceae in West Tripura with special reference to <i>Solanum sysymbriifolium</i> and <i>Solanum americanum</i>	Dr. Dipanwita Chaudhuri Sil
11	2015000911	Debjyoti Ghosh	Palynological study of <i>Saraca asoka</i> and <i>Caesalpinia pulcherrima</i>	Dr. Somnath Kar
12	2015000913	Dibakar Chakma	Ethnobotanical studies on Chakma community in Silachari, Tripura	Dr. Somnath Kar
13	2015000919	Khakchang Tripura	Comparative morphological study of <i>Saraca asoka</i> and <i>Delonix regia</i>	Dr. Debasree Lodh
14	2015000922	Nripen Debnath	A study on floral diversity of Chandrapur and College tilla (Agartala, Tripura West)	Dr. Somnath Kar
15	2015000934	Sourav Murasing	Effect of household waste in the growth of plants	Dr. Sudipta Sinha
16	2015000936	Suddha Sattwa Dey	Isolation and identification of fungal diversity from the leaves of <i>Basella abla</i> and <i>Basella rubra</i>	Dr. Sudipta Sinha
17	2015000995	Salphai Debbarma	Ethnobotanical study in Takarjala area, Tripura	Dr. Debasree Lodh
18	1815000847	Rahul Debbarma	Ethnobotanical study of Debbarma community from Sipahijala, Tripura	Dr. Debasree Lodh

  
25/4/23

**HEAD**  
Department of Botany,  
HOLY CROSS COLLEGE, AGARTALA





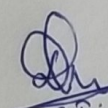
# HOLY CROSS COLLEGE

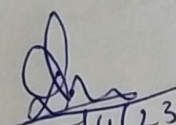
Accredited by NAAC with 'A+' Grade

## DEPARTMENT OF BOTANY

### Project : 6<sup>th</sup> Semester- B.Sc. General Students, 2023

Sl. No.	Tripura University Roll No.	Name of the Student	Title/ Topic of the Project	Supervisor
1	2014000475	Naimur Nahar Mumnie	Diversity of edible and poisonous mushroom in Salbagan area of West Tripura	Dr. Sudipta Sinha
2	2014000476	Rubi Debbarma	Endophytic fungi in the leaves of <i>Sesbania grandiflora</i>	Dr. Sudipta Sinha
3	2014000477	Sagarika Debbarma	Palynology of <i>Sesbania grandiflora</i> , <i>Delonix regia</i> from Tripura	Dr. Sudipta Sinha
4	2014000480	Siyari Jamatia	Ethnobotanical study of plants used by Jamatia community of Tripura	Dr. Somnath Kar
5	2014000481	Snigdha Roy	Micro-morphological analysis of <i>Senna alata</i> L. and <i>Senna tora</i> L. from Tripura	Dr. Debasree Lodh
6	2014000482	Tanuja Tripura	Antifungal activity of <i>Melastoma malabathricum</i>	Dr. Sudipta Sinha
7	2014000485	Bocholong Debbarma	Antibacterial activity of <i>Alternanthera dentata</i> leaf extract	Dr. Sudipta Sinha
8	2014000491	Sapratik Debbarma	Pictorial flora study of Holy Cross College	Dr. Somnath Kar

  
25.4.23

  
25/4/23  
HEAD  
Department of Botany,  
HOLY CROSS COLLEGE, AGARTALA



# Project Report



**Title:- Comparative Morphological study of Two Different Genus of Fabaceae**

**Project paper of B.Sc 6<sup>th</sup> Semester For Degree  
Tripura University**



Name of the Student: **Poushali Bhattacharya**

Name of the College : **Holly Cross College, Jubatara, Lembucherra, Agartala**

Registration No : **010876 - 2020**

Roll No : **2015000881**

Under the supervision of : **Dr. Debasree Lodh**

**EXAMINED**  
Department of Botany

**DEPARTMENT OF BOTANY**

**Holy Cross College,**

**Jubatara, Lembucheera, Agartala**

**Holy Cross College**

**Agartala, Tripura (West).**

*S.Kan*  
12/07/23

*Sinha*  
12/07/23

*[Signature]*  
12/07/23

*[Signature]*  
12/7/23





*"Educating hearts and minds"*

# HOLY CROSS COLLEGE

ACCREDITED BY NAAC WITH 'A+' GRADE (CYCLE:2)

Tripura University Reg. Code: 17

Jubatara, P.O. Lembucherra, Tripura West Pin-799210

Phone: 0381-2915930, +91 9402315672

email- principalhccagt@gmail.com

Web: www.holycrosscollege.in

## CERTIFICATE

This is to certify that the project work entitled "Comparative Morphological Study of Two Different Genus of Fabaceae" has carried out by Poushali Bhattacharya bearing Roll no. 2015000881 & Reg no. 010876 of 2020, during her B.Sc. 6<sup>th</sup> semester project work in the Department of Botany, Holy Cross College, Agartala in the year 2023 under my guidance.

*Dr. Debasree Lodh*  
12/07/2023

**Dr. Debasree Lodh**  
Assistant Professor  
Department of Botany  
Holy Cross College, Agartala



## **DECLARATION**

I, Poushali Bhattacharya, hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work by others and cited in the report has given due to acknowledgement and listed in the reference section.

Poushali Bhattacharya  
.....

**Poushali Bhattacharya**

**Roll no.:- 2015000881**

**Reg. No. 010876 of 2020**

**Date :- 12/07/23**



# PROJECT REPORT



**Title:** Palynological Study of *Senna alata* and *Senna tora*.

**Project Paper of B.SC. 6<sup>th</sup> Semester For Degree  
Tripura University**



**Name of the Student** Prajna Debbarma.

**Name of the college** Holy Cross College, Jubatara, Lembucherra, Agartala.

**Registration No:** 2020-000992

**Roll No:** 2015000882

Under the Supervision of : Dr, Somnath Kar.  
Assistant Professor

**DEPARTMENT OF BOTANY**

**Holy Cross College**

**Jubatara , Lembucherra , Agartala.**

SKan  
12/07/23

12/07/23  
Prajna  
12/4/23

**EXAMINED**

**Department of Botany**

**Holy Cross College**

**Agartala, Tripura (West).**





## CERTIFICATE

This is to certify that the project work entitled, “**Palynological study of *Senna alata* and *Senna tora***” has been carried out by PRAJNA DEBBARMA bearing Roll No.- 2015000882 and Reg. No.- 000992 of 2020, during her B.Sc 6<sup>th</sup> Semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

*Somnath Kar*  
12/7/23

Dr. Somnath Kar  
Assistant Professor  
Department of Botany  
Holy Cross College  
Jubatara, Mohanpur Road,  
Lembucherra,  
Debendrachandranagar, Tripura



## **DECLARATION**

I, Prajna Debbarma, hereby declare that the work and experience is presented here in is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

Prajna Debbarma  
Prajna Debbarma  
Roll No. – 2015000882  
Date- ..12/07/2023.....





# HOLYCROSS COLLEGE

**AGARTALA, TRIPURA**

**TOPIC- TO CONDUCT A FOOD SURVEY AT SIPAI PARA,  
LEMBUCHERRA**

**NAME- RAIMA DEBNATH**

**ROLLNO- 2015000883**

**REGISTRATION NO- 004-779**

**REGISTRATION YEAR - 2020**

**DEPARTMENT- BOTANY**

**SEMESTER- 6TH**

**DATE OF SUBMISSION- 30<sup>TH</sup> JUNE 2023**



**EXAMINED**  
*Department of Botany*  
**Holy Cross College**  
**Agartala, Tripura (West)**

**SUBMITTED BY -**  
**RAIMA DEBNATH**

**UNDER THE GUIDANCE OF-**  
**DR. DIPANWITA CHAUDHURI**

*Debnath*  
10/7/23

*Dr. Dipanwita Chaudhuri*  
10/7/23

*Shan*  
10/7/23

*Prinika*  
10/7/23

## CERTIFICATE

THIS IS TO CERTIFY THAT THE PROJECT REPORT TITLED - ' TO CONDUCT A FOOD SURVEY AT SIPAHIPARA ,LEMBUCCHERRA' HAS BEEN CARRIED OUT BY RAIMA DEBNATH BEARING ROLL NO 2015000883 AND REG NO 004779 OF 2020, DURING HER/HIS B.SC. 6<sup>TH</sup> SEMESTER PROJECT IN DEPARTMENT OF BOTANY, HOLYCROSS COLLEGE, AGARTALA OF THE YEAR 2023 UNDER MY GUIDANCE.

*Dr. Dipanwita Chaudhuri Si*  
10/7/23

**DR. DIPANWITA CHAUDHURI**

**HEAD OF THE DEPARTMENT**

**DEPT OF BOTANY**

**HOLYCROSS COLLEGE**

**JUBATARA, LEMBUCGERRA**

**DEBENDRACHANDRANAGAR, TRIPURA**



## DECLARATION

I, hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others are cited in the report has been given due acknowledgement and listed in the reference section.

*Dr. Dipanwita Choudhury Sill*  
*10.7.23*

*Raima Debnath*

Raima Debnath

Roll no- 2015000883

Date- 10.7.23

# Project Report



**Micromorphological Study of *Bauhinia acuminata* from Tripura**

**Project Paper Of B.Sc. 6<sup>th</sup> Semester For Degree**

## **Tripura University**

**Name of the students:** Ishmita Acharjee

**Name of the college:** Holy Cross College, Lembucherra, Agartala, Tripura (W)

**Registration number:** 2020-000191

**Roll number:** 2015000869

**Under the supervision of:** Dr. Debasree Lodhi

# **EXAMINED**

*Department of Botany*

*Holy Cross College*

*Agartala, Tripura (West)*

**DEPARTMENT OF BOTANY**

**Holy Cross College**

**Lembucherra, Agartala, Tripura (W)**





"Educating hearts and minds"

## HOLY CROSS COLLEGE

ACCREDITED BY NAAC WITH 'A+' GRADE (CYCLE:2)

Tripura University Reg. Code: 17

Jubatara, P.O. Lembucherra, Tripura West Pin-799210

Phone: 0381-2915930, +91 9402315672

email- principalhccagt@gmail.com

Web: www.holycrosscollege.in

### CERTIFICATE

This is to certify that the project work entitled, "Micromorphological study of *Bauhinia acuminata* from Tripura" has been carried out by ISHMITA ACHARJEE bearing Roll No. 2015000869 and Registration No. 000191 of 2020, during her B.Sc. 6<sup>th</sup> Semester project work in the Department of Botany, Holy Cross College, Jubatara, Lembucherra, Tripura (W) in the year 2023 under my guidance.

  
30/07/2023

**Dr. Debasree Lodh**  
Assistant Professor  
Department of Botany  
Holy Cross College  
Agartala

## **DECLARATION**

I, Ishmita Acharjee, hereby declare that the work and experience presented here is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

Ishmita Acharjee

**Ishmita Acharjee**

Date: 30/07/2023

Roll no: 2015000869

Reg. No. 000191 of 2020



# PROJECT REPORT



**Title: Palynology of *Cassia fistula* and  
*Peltophorum pterocarpum***

**Project Paper of B.Sc. 6<sup>th</sup> Semester For Degree  
Tripura University**



**Name of the Student:** Tuhi Choudhury

**Name of the College:** Holy Cross College, Jubatara, Lembucherra, Agartala

**Registration No.:** 2020-012180

**Roll No.:** 2015000902

**Under the Supervision of:** Dr. Somnath Kar

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West).

**DEPARTMENT OF BOTANY**

**Holy Cross College**

**Jubatara, Lembucherra, Agartala**

*SKar*  
12/7/23  
*Joinka*  
12/7/23  
*12/07/23*





## CERTIFICATE

This is to certify that the project work entitled, " **Palynology of *Cassia fistula* and *Peltophorum pterocarpum*** " has been carried out by TUHI CHOUDHURY bearing Roll No.- 2015000902 and Reg. No.- 012180 of 2020, during her B.Sc Semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

Somnath Kar  
12/7/23

Dr. SOMNATH KAR  
Assistant Professor of the Department  
Department of Botany  
Holy Cross College  
Jubatara, Mohanpur Road,  
Lembucherra,  
Debendrachandranagar, Tripura



## DECLARATION

I, TUHI CHOUDHURY, hereby declare that the work and experience is presented here in is genuine work done originally by me and has not been published or submitted elsewhere. Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section

*Tuhi Choudhury*  
TUHI CHOUDHURY

Roll No.- 2015000902

Date: ~~12~~/07/~~2022~~



# Project Report



**TOPIC:-** STUDY OF MEMBERS OF SOLANACEAE IN SOUTH TRIPURA  
WITH SOME SPECIAL REFERENCE TO *Solanum lycopersicum* and  
*Solanum ovigerum*

Shan  
12/7/23

12/6/23

Arincha  
12/7/23

12/4/23

Project Paper for 6th semester B.Sc. 6<sup>th</sup> Semester for TDPH Degree

TRIPURA UNIVERSITY

EXAMINED  
Department of Botany

Name of the Student : Abhradeep Majumder

Name of the College: Holy Cross College, Jubatara, Lembucherra Agartala

Registration No: 2020-002844

Roll No: 2015000904

Under the Supervision of: Dr. Dipanwita Chaudhuri Shil

DEPARTMENT OF BOTANY  
HOLY CROSS COLLEGE, AGARTALA



©TRAMIL

A. Robineau, R.Dom.





## **CERTIFICATE**

This is to certify that the project work entitled , “Study of members of Solanaceae in South Tripura” has carried out by Abhradeep Majumder bearing Roll no.2015000904 & Reg no. 002844 of 2020 , during her B.Sc 6<sup>th</sup> semester project work in Department of Botany , Holy Cross College , Agartala of the year 2023 under my guidance .

**Dr. Dipanwita Chaudhuri Sil,**

**Head Of Department**

**Dept. of Botany**

**Holy Cross College**

**Jubatara , Mohanpur Road ,**

**Lembucherra,**

**Debendrachandranagar , Tripura**

## **DECLARATION**

I, Abhradeep Majumder , hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere .

Any literature , data or work by others and cited in the report has given due to acknowledgement and listed in the reference section .

Abhradeep Majumder

**Abhradeep Majumder**

**Roll no.:- 2015000904**

**Date :- 12/7/23**



# Project Report



**TOPIC:-** STUDY OF MEMBERS OF SOLANACEAE IN  
SEPAHIJALA WITH SPECIAL REFERENCE TO *Solanum*  
*violaceum* AND *Capsicum annuum*

Project Paper for 6th semester B.Sc. 6<sup>th</sup> Semester for TDPH  
Degree

**TRIPURA UNIVERSITY**



Name of the Student: Bipratip Dhar

Name of the College: Holy Cross College, Jubatara, Lembucherra Agartala

Registration No: 2020-002474

Roll No: 2015000908

Under the Supervision of: Dr. Dipanwita Chaudhuri Sil

Department of Botany  
Holy Cross College, Agartala  
Jubatara, Lembucherra

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West)

Asinika  
12/7/23

Shan  
12/7/23

12/7/23





## CERTIFICATE

This is to certify that the project work entitled, “**Study of members of Solanaceae from Sepahijala with special reference given to *Solanum violaceum* and *Capsicum annuum***” has been carried out by BIPRATIP DHAR bearing Roll No.- 2015000908 and Reg. No.- 002474 of 2020, during his B.Sc 6<sup>th</sup> Semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

  
12/1/23

Dr. Dipanwita Chaudhuri Sil

Head of the Department

Department of Botany

Holy Cross College

Jubatara, Mohanpur Road,

Lembucherra,

Debendrachandranagar, Tripura



## **DECLARATION**

I, Bipratip Dhar, hereby declare that the work and experience is presented here in is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

*Bipratip Dhar*

**Bipratip Dhar**

**Roll No.- 2015000908**

**Date- 12/07/23**



# PROJECT REPORT



**TOPIC:-** STUDY OF MEMBERS OF SOLANACEAE IN KHOWAI DISTRICT WITH SPECIAL REFERENCE TO SOLANUM MELONGENA AND SOLANUM INDICUM

Project Paper for 6th semester B.Sc. 6<sup>th</sup> Semester for TDPH Degree

**TRIPURA UNIVERSITY**

Name of the Student: Biraj Deb

Name of the College: Holy Cross College, Jubatara, Lembucherra Agartala

Registration No: 2020-002925

Roll No: 2015000909

Under the Supervision of: Dr. Dipanwita Chaudhuri Shil

**Department of Botany**

**Holy Cross College,  
Agartala Jubatara,  
Lembucherra Agartala**

*Shan*  
12/7/23

*Shan*  
12/10/23

*Shan*  
12/7/23

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West)





## **CERTIFICATE**

This is to certify that the project work entitled, "Study of members of Solanaceae from Khowai District with special reference given to *Solanum melongena* and *Solanum indicum*" has been carried out by BIRAJ DEB bearing Roll No.- 2015000909 and Reg. No.- 002925 of 2020, during his B.Sc 6<sup>th</sup> Semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

  
12/7/23

Dr. Dipanwita Chaudhuri Shil

Head of the Department

Department of Botany

Holy Cross College

Jubatara, Mohanpur Road, Lembucherra,

Debendrachandranagar, Tripura

## **DECLARATION**

**I, Biraj Deb**, hereby declare that the work and experience is presented here is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

*Biraj Deb*

**BIRAJ DEB**

**Roll No.- 2015000909**

**Date- 12/07/23**



# Project Report



**TOPIC:-** STUDY OF MEMBERS OF SOLANACEAE IN  
WEST TRIPURA WITH SPECIAL REFERENCE TO  
SOLANUM SISYMBRIIFOLIUM AND SOLANUM  
AMERICANUM

**Project Paper for 6th semester B.Sc. 6<sup>th</sup> Semester for TDPH Degree**

**TRIPURA UNIVERSITY**

Name of the Student: Bishal Saha

Name of the College: Holy Cross College, Jubatara, Lembucherra, Agartala

Registration No: 2020-001575

Roll No: 2015000910

Under the Supervision of: Dr. Dipanwita Chaudhuri Sil

**DEPARTMENT OF BOTANY  
HOLY CROSS COLLEGE, AGARTALA  
JUBATARA, LEMBUCHERRA AGARTALA**

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West),

*Anisha*  
12/7/23

*Shan*  
12/7/23

*Devi*  
12/07/23

*[Signature]*  
12/7/23





## **CERTIFICATE**

This is to certify that the project work entitled, “**Study of members of Solanaceae from West Tripura with special reference given to *Solanum sisymbriifolium* and *Solanum americanum***” has been carried out by BISHAL SAHA bearing Roll No.- 2015000910 and Reg. No.- 001575 of 2020, during his B.Sc 6<sup>th</sup> Semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

12/7/23

Dr. Dipanwita Chaudhuri Sil

Head of the Department

Department of Botany

Holy Cross College

Jubatara, Mohanpur Road,

Lembucherra,

Debendrachandranagar, Tripura



## DECLARATION

I, Bishal Saha, hereby declare that the work and experience is presented here in is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

*Bishal Saha*

Bishal Saha

Roll No.- 2015000910

Date- 12/07/23



# **Palynological study on *Saraca asoca* *Caesalpinia pulcherrima***

**Project work for 6th Semester Botany (Hons)**

**In Partial Fulfillment of the requirements for the award  
of degree of Bachelor of Science in Botany.**



**EXAMINED**

*Department of Botany*

*Holy Cross College*

**Submitted to** *Agartala, Tripura (West).*

**Department of Botany**

**Holly Cross College, Agartala**

**Under Supervision of Dr. Somnath Kar**

**Submitted By :**

**Debjyoti Ghosh**

**B.Sc TDPH 6th Semester Examination 2020-23**

**Roll No : 2015000911**

**Registration No : 003883, Year - 2020**

*Spinha*  
*12/7/23*

*Shan*  
*12/7/23*

*12/07/23*





Certificate =

This to certify that the project work entitled, "Palynological study on *Saraca asoca* (Roxb.) W.J.de Wilde and *Caesalpinia pulcherrima* (L.) Sw. " has been carried out by Debjyoti Ghosh bearing Roll No. 2015000911 & Reg. No.003883 of 2020, during his B.Sc. 6th semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

Somnath Kar  
21/7/23

Dr. Somnath Kar  
Assistant Professor  
Dept. of Botany Jubatara, Mahanpur Road,  
Holy Cross College  
Lembucherra,  
Debendrachandranagar, Tripura

*Declaration =*

I Debjyoti Ghosh, hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

Debjyoti Ghosh  
12/07/2023

Debjyoti Ghosh  
Roll no.:- 2015000911  
Date:-12/07/2023



## PROJECT REPORT

**Title: Ethnobotanical studies on Chakma community in Silachari, Tripura**

(Project paper of Botany (Honours) 6th semester for TDPH Degree)

**TRIPURA UNIVERSITY**

(A CENTRAL UNIVERSITY)



**NAME OF THE STUDENT : DIBAKAR CHAKMA**

**NAME OF THE COLLEGE : HOLY CROSS COLLEGE**

**ROLL NO. : 2015000913**

**REGISTRATION NO. : 2020-000029**

**UNDER THE SUPERVISION OF:**

**Dr. Somnath Kar**

Assistant Professor

Department of Botany

Holy Cross College,

YEAR-2023

**EXAMINED**

Department of Botany

Holy Cross College

Agartala, Tripura (West).

*Finha*  
13/7/23

*Shan*  
13/7/23





**HOLY CROSS COLLEGE, JUBATARA**

## **CERTIFICATE**

This to certify that the project work entitled, “**Ethnobotanical studies on Chakma community in Silachari, Tripura**” has been conducted by Dibakar Chakma bearing Roll no. **2015000913** & Reg. No. **000029** of **2020**, during his B.Sc. 6th semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

*Somnath Kar*  
13/07/23

**Dr. Somnath Kar**  
**Assistant Professor**  
**Dept. of Botany**  
**Holy Cross College, West Tripura**  
**Jubatara, Mohanpur Road, Agartala**  
**Debendrachandranagar, Agartala**



## DECLARATION

I, Dibakar Chakma, hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work by others and cited in the report has given due to acknowledgement and listed in the reference section.

.....*Dibakar Chakma*.....

**Dibakar Chakma**

**Roll no.:- 2015000913**

**Reg. No. 000029 of 2020**

**Date :- 13/07/23**

**Project Report**  
**Tripura University**  
(A central University)



**Title: Comparative morphological study of *Saraca asoca* and *Delonix regia*.**

**Project paper of B.SC. 6<sup>th</sup> Semester For Degree**

**Name of the student: Khakchang Tripura**

**Name of the College: Holy Cross College**

**Registration No: 2020 - 000879**

**Roll No: 2015000919**

**Under the Supervision of: Dr. Debasree Lodh**

**DEPARTMENT OF BOTANY**

**Holy Cross College**

**Jubatara, Lembucherra, Agartala**

**EXAMINED**  
**Department of Botany**  
**Holy Cross College**  
**Agartala, Tripura (West).**

*Asoca*  
10/7/23

*Shan*  
10/7/23

*Debasree*  
10/7/23

*Debasree*  
10/7/23





"Educating hearts and minds"

# HOLY CROSS COLLEGE

ACCREDITED BY NAAC WITH 'A+' GRADE (CYCLE:2)

Tripura University Reg. Code: 17

Jubatara, P.O. Lembucherra, Tripura West Pin-799210

Phone: 0381-2915930, +91 9402315672

email- principalhccagt@gmail.com

Web: www.holycrosscollege.in

## CERTIFICATE

This to certify that the project work entitled, "Comparative Morphological Study of *Saraca asoca* and *Delonix regia*" has been carried out by Khakchang Tripura bearing Roll no. 2015000919 & Reg. No. 000879 of 2020, during his B.Sc. 6th semester project work in Department of Botany, Holy Cross College, Agartala in the year 2023 under my guidance.

**Dr. Debasree Lodh**  
Assistant Professor  
Department of Botany  
Holy Cross College, Agartala

## **DECLARATION**

I, Khakchang Tripura, hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

Khakchang Tripura

**Khakchang Tripura**

Roll no: 2015000919

Reg. No. 000879 of 2020

Date: 10/07/2023



# Project Report



## A study On floral diversity of Chandrapur & College Tilla(Agartala,Tripura West)

(Project Paper of B.SC 6th Semester For TDPH Degree)

Tripura University



Name Of the Student:	Nripen Debnath
Name of the College:	Holy Cross College
Registration Number:	001270
Roll Number:	2015000922
Year:	2023

Under The Supervision of:-

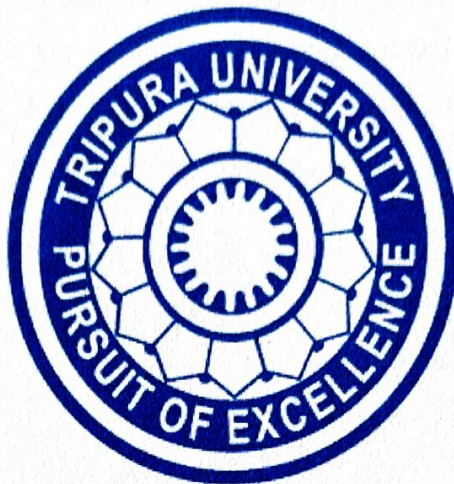
Dr. Somnath Kar  
Assistant Professor  
Department Of Botany  
Holy Cross College

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West).



# TRIPURA UNIVERSITY

(A CENTRAL UNIVERSITY)



## TOPIC ON:

“EFFECT OF HOUSEHOLD WASTE IN THE GROWTH OF PLANTS”

## PROJECT PAPER TDPH B.SC BOTANY(H) 6th SEMESTER

NAME : SOURAV MURASING

INSTITUTION: HOLY CROSS COLLEGE

ROLL NO. : 2015000934

REG NO. : 001812-2020

**EXAMINED**

*Department of Botany*

*Holy Cross College*

*Agartala, Tripura (West).*

UNDER THE SUPERVISION OF

**DR.SUDIPTA SINHA**

DEPARTMENT OF BOTANY

HOLY CROSS COLLEGE

*Sinha*  
*10/7/23.*

*S. Sinha*  
*10/7/23*

*Sinha*  
*10/7/23*



# CERTIFICATE

This is to certify that the project work entitled “**Effect of household wastes in the growth of plants**” has been carried out by Sourav Murasing bearing Roll No.-2015000934 and Reg No.-001812 of 2020,during his Bsc. 6th semester project work in Department of Botany,Holy Cross College,Agartala of the year 2023 under my guidance.

*Sudipta Sinha.*  
*10/07/23.*

Dr.Sudipta Sinha  
Assistant Professor,  
Department of Botany,  
Holy Cross College,  
Jubatara,Mohanpur Road,  
Lembuchurra,Tripura.

# DECLARATION

---

I Sourav Murasing, hereby declare that the work and experiment presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

Sourav Murasing / 10/07/23

Sourav Murasing

Roll No.-2015000934

Reg No.-001812-2020



# PROJECT REPORT

Topic: Isolation and Identification of Fungal Diversity from the leaves of *Basella alba* and *Basella rubra*.

Project Paper of B.Sc 6<sup>th</sup> Semester for TDPH Degree

TRIPURA UNIVERSITY

(A Central University)



Name of the Student : Suddha Sattwa Dey  
Name of the College : Holy Cross College  
Registration No : 001471-2020  
Roll No : 2015000936

Under the Supervision of

Dr. Sudipta Sinha

Department of Botany  
Holy Cross College

Year 2023

EXAMINEE

Department of Botany

Holy Cross College

Agartala, Tripura (West)

Asinher  
10/7/23

Slam

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10/7/23



## CERTIFICATE

This is to Certify that the project work entitled, "**Isolation and Identification of fungal diversity from the leaves of Basella alba and Basella rubra Species** from Battala Market and Chandrapur West District of Tripura" has been Carried out by Suddha Sattwa Dey bearing Roll no:-2015000936 and Reg no: 001471 of 2020, during his/her B.Sc. 6<sup>th</sup> Semester Project Work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

Sudipta Sinha,  
10/07/2023

Dr. Sudipta Sinha

Assistant Professor,

Department of Botany,

Holy Cross College ,

Jubatara,. Mohanpur Road ,Lembucherra

Debendrachandranagar, Tripura West



## DECLARATION

I, Suddha Sattwa Dey, here by declare that the Work & experiment presented here in is genuine work done by me and other friends and teachers Collaborate and Co-operated with me to complete my project work.. It is not published on Submitted anywhere. Any literature, data or work done by others and cited in the report has been given due acknowledgement & listed in the reference Section.

*Suddha Sattwa Dey*  
Suddha Sattwa Dey

Roll No- 2015000936

Reg No- 001471-2020

# PROJECT REPORT

**Title: Diversity of Edible and Poisonous Mushroom in Salbagan  
area of West Tripura**

(Project paper of BSC (elective) 6th semester for TDP Degree)

## TRIPURA UNIVERSITY (A CENTRAL UNIVERSITY)



**NAME OF THE STUDENT - NAIMUR NAHAR MUNNIE**

**NAME OF THE COLLEGE - HOLY CROSS COLLEGE**

**REGISTRATION NO. - 2020-002233**

**ROLL NO. - 2014000475**

Under the supervision of :

**Dr SUDIPTA SINHA**

*S. Sinha*  
10/7/23

**Department of BSC (elective)**

**Holy Cross College**

**YEAR 2023**

*S. Sinha*  
10/7/23

*S. Sinha*  
10/07/23

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West)



# CERTIFICATE



This to certify that the project work entitled, **“Diversity of Edible and poisonous Mushroom in Salbagan area of West Tripura”** has been carried out by Naimur Nahar Munnies bearing Roll no. 2014000475 & Reg. No. 002233 of 2020, during her B.Sc. 6th semester project work in Department of B.Sc. general, Holy Cross College, Agartala of the year 2023 under my guidance.

*Sudipta Sinha*  
10/7/23

Dr. Sudipta Sinha  
Assistant Professor,  
Department of Botany  
Holy cross college, Jubatara  
Agartala, West Tripura

# DECLARATION

I Naimur Nahar Munnie hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere. Any literature, data or work done by others are cited in the report has been given due acknowledgement and listed in the reference section. .... Naimur Nahar Munnie Roll no: 2014000475

Naimur Nahar Munnie  
Name: Naimur Nahar Munnie

Roll no.:2014000475

Department of Botany

Holy cross college, Jubatara

Agartala, West Tripura

Date: 10/07/23



# PROJECT REPORT

**Title:** Endophytic Fungi In The Leaves Of *Sesbania Grandiflora*

(project paper of B.sc.6th semester for TDPH Degree)

**TRIPURA UNIVERSITY  
(A CENTRAL UNIVERSITY)**



**NAME OF THE STUDENT :Rubi Debbarma**

**NAME OF THE COLLEGE: Holy Cross College**

**REGISTRATION NO :2020-002162**

**ROLL NO :2014000476**

*Slan*  
10/7/23

Under the supervision of  
**Dr. Sudipta Sinha**

**Department of B.Sc General  
Holy Cross College  
Year 2023**

*Sinha*  
10/7/23

*Debbarma*  
10/07/23

*Slan*  
10/7/23

**EXAMINED**  
*Department of Botany*  
**Holy Cross College**  
**Agartala, Tripura (West).**



### CERTIFICATE

This to certify that the project work entitled, "Endophytic fungi in the leaves of *Sesbania grandiflora*" has been carried out by Rubi Debbarma bearing Roll No. 2014000476 & Reg. No. 002162 of 2020, during her B.Sc. 6th semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under the guidance.

*Sudepta Sinha* 10/07/23

**Dr. Sudipta singha, Assistant Professor**

Dept. of Botany Holy Cross College  
Jubatara, Mahanpur Road,  
Lembucherra,  
Debendrachandranagar, Tripura



## DECLARATION

I, Rubi Debbarma, hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

*Rubi Debbarma*

RUBI DEBBARMA

ROLL NO : 2014000476

DATE : 10/07/2023



# Project Report



**Title:** Palynology of *Sesbania grandiflora*, *Delonix regia* from Tripura.

Project Paper of B.Sc 6<sup>th</sup> Semester For Degree.

**Tripura University**



Name of the student : Sagarika Debbarma.

Name of the college : Holy cross college, Jubatara, Agartala.

Registraton No. : 000546

Roll no : 2014000477

DEPARTMENT OF BOTANY

Holy Cross College, Jubatara, Agartala.

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West).

Skan  
10/7/23

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Debb  
10/07/23

Debb  
10/7/23





# HOLY CROSS COLLEGE, JUBATARA

## CERTIFICATE

This to certify that the project work entitled, "Palynology of *Sesbania grandiflora* , *Delonix regia* from Tripura" has been carried out by SAGARIKA DEBBARMA bearing Roll No. 2014000477 & Reg. No. 000546 of 2020, during her B.Sc. 6<sup>th</sup> semester project work in Department of Botany, Holy Cross College, Agartala of the year 2023 under my guidance.

*Sudipta Sinha,*  
10/07/23

Dr. Sudipta  
Sinha

Assistant Professor

Dept. of Botany

Holy Cross College

Jubatara, Mohanpur Road,

Lembucherra,

Debendrachandranagar, Tripura

## **DECLARATTON**

I, Sagarika Debbarma, hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

*Sagarika Debbarma*  
.....

Sagarika debbarma.

Roll no : 2014000477

Date : 10 /07/2023



# TRIPURA UNIVERSITY



Ethnobotanical study of plants used  
by Jamatia community of Tripura  
Project paper TDP B. Sc 6th semester



Name : Siyari Jamatia

Institution : Holy Cross College

Reg. No. : 2020-000617

Roll No. : 2014000480

Under the supervision of

Dr. Somnath Kar,

Department of Botany, Holy Cross College

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West).





# CERTIFICATE

This is to certify that the project entitled, “**Ethnobotanical study of plants used by the Jamatia community of Tripura**” has been carried out by Siyari Jamatia bearing roll no. :- 2014000480 and Reg no. :- 000617 – 2020, during her B. Sc 6<sup>th</sup> semester project work in the department of B. Sc general, Holy Cross College, Agartala of the year 2023 under my guidance.

Somnath Kar  
12/07/23

Dr. Somnath Kar  
Professor,  
Dept. of Botany  
Holy Cross College, West Tripura  
Jubatara, Mohanpur Road  
Debendrachandranagar, Agartala



# DECLARATION

I, Siyari Jamatia hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere.

Any literature, data, and work done by others and cited in report has been given due acknowledgment and listed in the reference section.

Siyari Jamatia

Roll no.:- 2014000480

B.Sc. General

Holy Cross College.



# TRIPURA UNIVERSITY



Project paper TDP B. Sc 6<sup>th</sup> Semester

Micro-morphological analysis of  
*Senna alata* L. and *Senna tora* L. from Tripura



Name : Snigdha Roy  
Institution : Holy Cross College  
Reg. No. : 2020-000562  
Roll No. : 2014000481

Under the Supervision of  
Dr. Debasree Lodh  
Assistant Professor

Department of Botany, Holy Cross College, Agartala

EXAMINED  
Department of Botany  
Holy Cross College  
Agartala, Tripura

Snigdha  
12/7/23  
Dr. Debasree Lodh  
12/7/23





"Educating hearts and minds"

## HOLY CROSS COLLEGE

ACCREDITED BY NAAC WITH 'A+' GRADE (CYCLE:2)

Tripura University Reg. Code: 17

Jubatara, P.O. Lembucherra, Tripura West Pin-799210

Phone: 0381-2915930, +91 9402315672

email- principalhccagt@gmail.com

Web: www.holycrosscollege.in

This is to certify that the project work entitled "**Micro-morphological analysis of *Senna alata* L. and *Senna tora* L. from Tripura**" has been carried out by **SNIGDHA ROY** bearing Roll no. **2014000481** and Reg. No. **000562** of **2020**, during her B.Sc. 6<sup>th</sup> semester project work in the **Department of Botany, Holy Cross College, Agartala** in the year 2023 under my guidance.

*Dr. Debasree Lodh*  
12/07/2023

**Dr. Debasree Lodh**  
Assistant Professor  
Department of Botany  
Holy Cross College  
Agartala

## DECLARATION

I, **Snigdha Roy**, hereby declare that the work and experience presented herein is genuine work done by me and has not been published or submitted elsewhere.

Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

*Snigdha Roy.*  
**Snigdha Roy**

Roll no: **2014000481**

Reg. No. **000562** of 2020

Date: **10/07/2023**



# PROJECT REPORT

**Title:** Antifungal Activity of *Melastoma malabathricum*

(Project paper of BSC (elective) 6th semester for TDP Degree)

**TRIPURA UNIVERSITY**

(A central university)



**NAME OF THE STUDENT : TANUJA TRIPURA**

**NAME OF THE COLLEGE : HOLY CROSS COLLEGE**

**ROLL NO. : 2014000482**

**REGISTRATION NO. : 2020-000593**

**UNDER THE SUPERVISION OF:**

**Dr. SUDIPTA SINHA**

Department of Botany

Holy Cross College

YEAR-2023

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West)

*Sinha*  
12/7/23

*Sinha*  
12/07/23

*Sinha*  
12/7/23

*Sinha*  
12/7/23





## CERTIFICATE

This is to certify that the project entitled, "**Anti-fungal activity of *Melastoma malabathricum* leaf extract**" has been carried out by Tanuja Tripura bearing roll no: - 2014000482 and Reg. no. :- 000593 of 2020, during her BSc. 6th semester project work in department of BSc. General, Holy Cross College, Agartala of the year 2023 under my guidance.

*Sudipta Sinha.*

Dr. Sudipta Sinha  
Assistant professor,  
Department of Botany  
Holy Cross College, Jubatara,  
Agartala, West Tripura



## DECLARATION

I, Tanuja Tripura hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submitted elsewhere. Any literature, data or work done by others and cited in the report has been given due acknowledgement and listed in the reference section.

*Tanuja Tripura*  
Tanuja Tripura

Roll no: 2014000482

Date: 10/07/2023

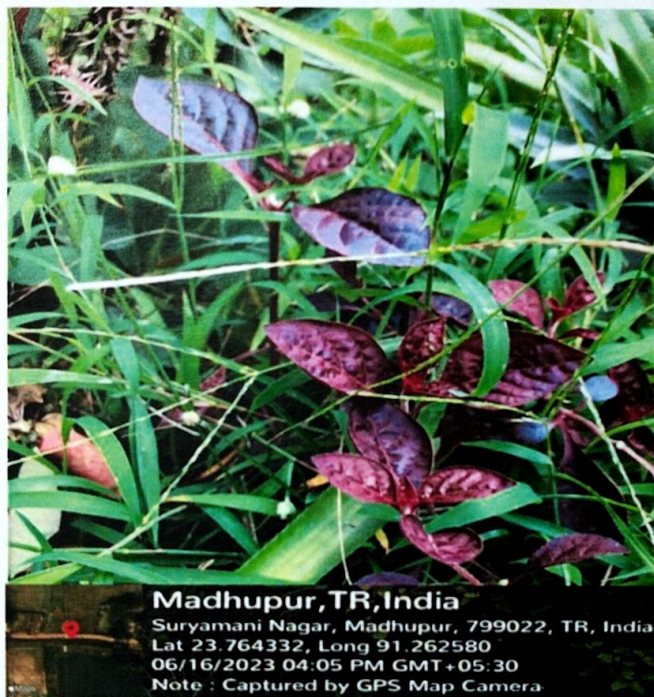


## PROJECT REPORT

**Title: Antibacterial activity of *Alternanthera dentata* leaf extract**

(Project paper of BSC (elective) 6th semester for TDP Degree)

**TRIPURA UNIVERSITY**  
(A CENTRAL UNIVERSITY)



NAME OF THE STUDENT: – BOCHOLONG DEBBARMA

NAME OF THE COLLEGE: - HOLY CROSS COLLEGE

REGISTRATION NO. : – 2020-000371

ROLL NO.: - 2014000485

Under the supervision of:

Dr. SUDIPTA SINHA  
Department of Botany  
Holy Cross College  
Year -2023

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West)

*Sinha*  
12/07/23

*Sinha*  
12/7/23

*Sinha*  
10/7/23

*Sinha*  
12/4/23





## CERTIFICATE

This is to certify that the project entitled, "**Anti-bacterial activity of *Alternanthera dentata* leaf extract**" has been carried out by Bocholong Debbarma bearing roll no: - 2014000485 and Reg. no. :- 000371 of 2020, during his BSc. 6th semester project work in department of BSc. General, Holy Cross College, Agartala of the year 2023 under my guidance.

*Sudipta Sinha*

Dr. Sudipta Sinha  
Assistant professor,  
Department of Botany  
Holy Cross College, Jubatara,  
Agartala, West Tripura

## **DECLARATION**

I, Bocho long Debbarma hereby declare that the work and experience presented herein is genuine work done originally by me and has not been published or submits elsewhere. Any literature, data or work done by others and cited in the report has been given due acknowledgment and listed in the reference section.

*Bocho long Debbarma*

Bocho long Debbarma,

Roll no.: -2014000485

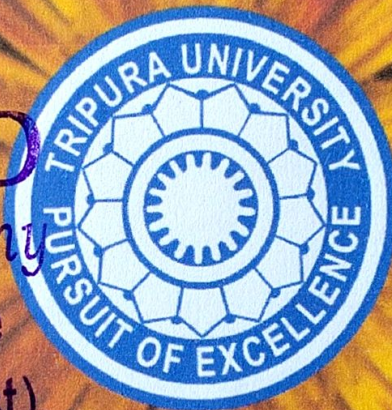
Date: -10.07.2023



# TRIPURA UNIVERSITY

Pictorial Flora study of Holy Cross College  
Project paper TDP B. Sc 6th semester

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West).



Name : Sapratik Debbarma

Institution : Holy Cross College

Reg. No. : 2020-000364

Roll No. : 2014000491

Under the supervision of

Dr. Somnath Kar,

Department of Botany, Holy Cross College

Sher  
12/7/23

Sher  
12/10/23

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12/7/23

Sher  
12/7/23

**EXAMINED**  
Department of Botany  
Holy Cross College  
Agartala, Tripura (West)





## CERTIFICATE

This is to certify that the project entitled, “**Pictorial floristic study of botanical plants in Holy Cross College**” has been carried out by Sapatik Debbarma bearing roll no. :- 2014000491 and Reg no. :- 000364 – 2020, during his B. Sc. 6<sup>th</sup> semester project work in the Department of B. Sc. General, Holy Cross College, Agartala of the year 2023 under my guidance.

*Somnath Kar*  
12/07/23

Dr. Somnath Kar

Assistant Professor,

Dept. of Botany

Holy Cross College, West Tripura

Jubatara, Mohanpur Road, Agartala

Debendrachandranagar, Agartala



## DECLARATION

I, Sapratik Debbarma hereby declare that the work and experience present herein is genuine work done originally by me and has not been published or submitted elsewhere. Any literature, data, and work done by others and cited in the report has been given due acknowledgment and listed in the reference section.

Sapratik Debbarma

Roll no.: - 2014000491

B.Sc. General

Holy Cross College.

**Department of Botany  
Holy Cross College  
Agartala**

**Notice**

**Date: 10/07/2023**

**6<sup>th</sup> semester Project presentation Schedule**

Date and time of 6 <sup>th</sup> Semester Project presentation		12/07/2023, Time: 10 am onward
Sl.	Name of the Student	Roll number
1.	Abhradeep Majumder	2015000904
2.	Bipratip Dhar	2015000908
3.	Biraj Deb	2015000909
4.	Bocholong Debbarma	2014000485
5.	Rahul Debbarma	1815000847
6.	Raima Debnath	2015000883
7.	Rubi Debbarma	2014000476
8.	Sagarika Debbarma	2014000477
9.	Salphai Debbarma	2015000995
10.	Suddha Sattwa Dey	2015000936
11.	Tanuja Tripura	2014000482
12.	Sourav Murasing	2015000934
Date and time of 6 <sup>th</sup> Semester Project presentation		13/07/2023, Time: 10 am onward
1.	Bishal Saha	2015000910
2.	Debjyoti Ghosh	2015000911
3.	Dibakar Chakma	2015000913
4.	Ishmita Acharjee	2015000869
5.	Khakchang Tripura	2015000919
6.	Naimur Nahar Munnice	2014000475
7.	Nripen Debnath	2015000922
8.	Ojaswini Jamatia	2015000880
9.	Poushali Bhattacharya	2015000881
10.	Prajna Debbarma	2015000882
11.	Sapratik Debbarma	2014000491
12.	Siyari Jamatia	2014000480
13.	Snigdha Roy	2014000481
14.	Tuhi Choudhury	2015000902

*Dr. Dipannita Chaudhuri Sil.*  
10.7.23.  
**HEAD**  
Department of Botany,  
HOLY CROSS COLLEGE, AGARTALA



Presentation on TDPH 6<sup>th</sup> Semester Project Paper  
by the 6<sup>th</sup> Semester Botany Students



*Dr. Dipanwita Chaudhuri* Sil  
13.7.23  
**HEAD**  
Department of Botany,  
HOLY CROSS COLLEGE, AGARTALA



# Presentation on TDPH 6<sup>th</sup> Semester Project Paper by the 6<sup>th</sup> Semester Botany Students



*Dr. Dipanwita Chaudhuri Sd*  
**HEAD** 13/7/23  
Department of Botany,  
HOLY CROSS COLLEGE, AGARTALA