

KAZI NAZRUL UNIVERSITY

Schedule of Viva-Voce of the Project of Sixth Semester Political Science Hons.

Marks Distribution:

Course Code: BAHPLSC602

External – 20

Course Type: Core Course (CC-14)

Internal – 30

Sl. No.	Name of the External Examiner	Name of the Internal Examiner	College to be Examined	Date & Time of Viva-Voce	Name Range of Student
1	Dr. Savera Sharma B.C. College, Asansol	Prof. Santosh Bhagat	B.B. College, Asansol (Hindi Shift)	23/06/2023 11 AM	A-M
2	Dr. Amrita Banerjee BC College, Asansol	Prof. Santosh Bhagat	B.B. College, Asansol (Hindi Shift)	28/06/2023 11 AM	N-Z

Santosh Kumar Bhagat
HoD
Department of Political Science

Convener
Dr. Monalisa Bhattacharjee
Assistant Professor,
Department of Political Science,
TDB College, Raniganj
E-mail: mbtdbc@gmail.com



Banwarilal Bhalotia College
Constituent College of the KAZI NAZRUL UNIVERSITY, Asansol
(GOVT. SPONSORED U. G. & P. G. College)

ASANSOL – 713303, WEST BENGAL (INDIA)
Department of Political Science (Hindi Shift)

Allotment of Supervisor for Project (C-14)

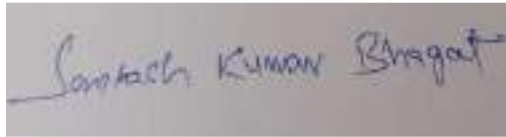
BA HONOURS 6TH SEMESTER POLITICAL SC (HONS) HINDI SHIFT

PROJECT C-14 (SESSION-2020-23 & ACADEMIC YEAR 2023)

SL NO	REGISTRATION NO	NAME	SUBJECT	SUPERVISOR
1	KNU20116001692	SONAL UPADHYAY	Project	SANTOSH KUMAR BHAGAT
2	KNU20116001702	KUNDAN MAHATO	Project	SANTOSH KUMAR BHAGAT
3	KNU20116001707	SARWAN KUMAR	Project	SANTOSH KUMAR BHAGAT
4	KNU20116001715	ANKITA KUMARI JHA	Project	SANTOSH KUMAR BHAGAT
5	KNU20116001716	PAMMI KUMARI SAH	Project	SANTOSH KUMAR BHAGAT
6	KNU20116001721	MD HASAN ANSARI	Project	SANTOSH KUMAR BHAGAT
7	KNU20116001728	PUJA KUMARI	Project	SANTOSH KUMAR BHAGAT
8	KNU20116001734	SANJANA SINHA	Project	SANTOSH KUMAR BHAGAT
9	KNU20116001742	AZAD ALAM	Project	SANTOSH KUMAR BHAGAT
10	KNU20116001765	GOBIND PARMAR	Project	SANTOSH KUMAR BHAGAT
11	KNU20116001772	SM GARIB	Project	SANTOSH KUMAR BHAGAT
12	KNU20116001777	ANITA KUMARI NUNIA	Project	SANTOSH KUMAR BHAGAT
13	KNU20116001783	PRIYA BURNWAL	Project	SANTOSH KUMAR BHAGAT
14	KNU20116001785	BIPIN THAKUR	Project	SANTOSH KUMAR BHAGAT
15	KNU20116001817	NAVIN KUMAR PRASAD	Project	SANTOSH KUMAR BHAGAT
16	KNU20116001820	BIKRAM SHAW	Project	SANTOSH KUMAR BHAGAT
17	KNU20116001844	TANNU KUMARI	Project	SANTOSH KUMAR BHAGAT
18	KNU20116001850	BINISHA KUMARI YADAV	Project	SANTOSH KUMAR BHAGAT
19	KNU20116001858	RAHUL KESHRI	Project	SANTOSH KUMAR BHAGAT
20	KNU20116001869	ANITA MAHATO	Project	SANTOSH KUMAR BHAGAT
21	KNU20116001879	MADHU MAHATO	Project	SANTOSH KUMAR BHAGAT
22	KNU20116001881	CHANDAN KUMAR SINGH	Project	SANTOSH KUMAR BHAGAT
23	KNU20116001882	SANJANA PASWAN	Project	SANTOSH KUMAR BHAGAT
24	KNU20116001886	SHRITU BURNWAL	Project	SANTOSH KUMAR BHAGAT
25	KNU20116001910	ANCHAL KUMARI SHAW	Project	SANTOSH KUMAR BHAGAT
26	KNU20116001923	KUSUM VISHWAKARMA	Project	SANTOSH KUMAR BHAGAT
27	KNU20116001927	SACHITANAND YADAV	Project	SANTOSH KUMAR BHAGAT
28	KNU20116001938	PAYAL NUNIYA	Project	SANTOSH KUMAR BHAGAT
29	KNU20116001941	ABDUL RAHMAN USMANI	Project	SANTOSH KUMAR BHAGAT
30	KNU20116001944	DHANANJOY THAKUR	Project	SANTOSH KUMAR BHAGAT

31	KNU20116001946	JYOTI YADAV	Project	SANTOSH KUMAR BHAGAT
32	KNU20116001958	MD TANWEER ANSARI	Project	SANTOSH KUMAR BHAGAT
33	KNU20116001960	ASMITA KUMARI	Project	SANTOSH KUMAR BHAGAT
34	KNU20116001967	AMRITA KUMARI	Project	SANTOSH KUMAR BHAGAT
35	KNU20116001973	AAROHI YADAV	Project	SANTOSH KUMAR BHAGAT
36	KNU20116001978	DIVYA CHOUDHARY	Project	SANTOSH KUMAR BHAGAT
37	KNU20116001986	KABITA RAM	Project	SANTOSH KUMAR BHAGAT
38	KNU20116001987	SONU KUMAR DAS	Project	SANTOSH KUMAR BHAGAT
39	KNU20116002006	AMARJIT BURNWAL	Project	SANTOSH KUMAR BHAGAT
40	KNU20116002026	GOBIND KUMAR SHARMA	Project	SANTOSH KUMAR BHAGAT
41	KNU20116002040	LAKSHMI NONIA	Project	SANTOSH KUMAR BHAGAT
42	KNU20116002045	BARKHA BISWAKARMA	Project	SANTOSH KUMAR BHAGAT
43	KNU20116002056	KRITIKA PRASAD	Project	SANTOSH KUMAR BHAGAT
44	KNU20116002079	RAHUL SINGH	Project	SANTOSH KUMAR BHAGAT
45	KNU20116002082	ALOK KUMAR LOHAR	Project	SANTOSH KUMAR BHAGAT
46	KNU20116002083	NIRMALA KUMARI	Project	SANTOSH KUMAR BHAGAT
47	KNU20116002094	MD WASIM	Project	PAWAN GURUNG
48	KNU20116002096	SAMIRA NOOR	Project	PAWAN GURUNG
49	KNU20116002097	FARJAN KHAN	Project	PAWAN GURUNG
50	KNU20116002100	ZAFARUDDIN KHAN	Project	PAWAN GURUNG
51	KNU20116002103	MAHESH KUMAR SHAW	Project	PAWAN GURUNG
52	KNU20116002112	SUSMITA KUMARI KOIRI	Project	PAWAN GURUNG
53	KNU20116002126	ROHIT KUMAR GOSWAMI	Project	PAWAN GURUNG
54	KNU20116002141	BINNI KUMARI	Project	PAWAN GURUNG
55	KNU20116002146	SARASWATI KUMARI	Project	PAWAN GURUNG
56	KNU20116002147	TAMANNA KHATOON	Project	PAWAN GURUNG
57	KNU20116002169	ARYAN SHARMA	Project	PAWAN GURUNG
58	KNU20116002174	KOUSHAL KUMAR SINGH	Project	PAWAN GURUNG
59	KNU20116002177	SABINA KHATOON	Project	PAWAN GURUNG
60	KNU20116002184	TOUSHIF HAQUE	Project	PAWAN GURUNG
61	KNU20116002213	SABA TAHREEN	Project	PAWAN GURUNG
62	KNU20116002226	NILAM KESHRI	Project	PAWAN GURUNG
63	KNU20116002232	NITESH YADAV	Project	PAWAN GURUNG
64	KNU20116002236	NIKITA KUMARI	Project	PAWAN GURUNG
65	KNU20116002284	PREETY KUMARI	Project	PAWAN GURUNG
66	KNU20116002332	ANKIT PANDEY	Project	PAWAN GURUNG
67	KNU20116002355	SANJANA KESHRI	Project	PAWAN GURUNG
68	KNU20116002388	BIKASH KUMAR BHUIYA	Project	PAWAN GURUNG
69	KNU20116002399	CHANDA KUMARI BELDAR	Project	PAWAN GURUNG
70	KNU20116002402	YASHMIN PRAVINE	Project	PAWAN GURUNG
71	KNU20116002438	NEHA KUSHWAHA	Project	PAWAN GURUNG
72	KNU20116002444	NIRMALA KUMARI PANDIT	Project	PAWAN GURUNG
73	KNU20116002448	KARINA KHATOON	Project	PAWAN GURUNG
74	KNU20116002455	PRIYA NONIA	Project	PAWAN GURUNG
75	KNU20116002458	PRATIMA KUMARI PRASAD	Project	PAWAN GURUNG
76	KNU20116002460	DEEPA KUMARI	Project	PAWAN GURUNG

77	KNU20116002483	RITICK YADAV	Project	PAWAN GURUNG
78	KNU20116002492	SONALI KUMARI NONIA	Project	PAWAN GURUNG
79	KNU20116002502	PAYAL SINGH	Project	PAWAN GURUNG
80	KNU20116002535	RITU RAJAK	Project	PAWAN GURUNG
81	KNU20116002537	ABHIJEET MISHRA	Project	PAWAN GURUNG
82	KNU20116002538	FALAK NASHIN	Project	PAWAN GURUNG
83	KNU20116002541	PUJA KUMARI	Project	PAWAN GURUNG
84	KNU20116002549	BANNI KHATOON	Project	PAWAN GURUNG
85	KNU20116002550	NISHA PASWAN	Project	PAWAN GURUNG
86	KNU20116002555	KAJAL CHOWDHURY	Project	PAWAN GURUNG
87	KNU20116002569	RADHA KUMARI CHOUDHARY	Project	PAWAN GURUNG
88	KNU20116002577	FULMANTI KUMARI MAHATO	Project	PAWAN GURUNG
89	KNU20116002578	ANJALI SHAW	Project	PAWAN GURUNG
90	KNU20116002584	SIMRAN PASI	Project	PAWAN GURUNG
91	KNU20116002585	ANJALI KUMARI	Project	PAWAN GURUNG
92	KNU20116002604	PRIYA KUMARI	Project	PAWAN GURUNG
93	KNU20116002627	ANISHA NUNIA	Project	PAWAN GURUNG
94	KNU20116002629	SANDHYA SHAW	Project	PAWAN GURUNG



HOD

Department of Political Science (Hindi Shift)



Banwarilal Bhalotia College

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ASANSOL – 713303, WEST BENGAL (INDIA)
Department of Political Science (Hindi Shift)

Report on Project Work of Departmental Students, 2023

BA HONOURS 6TH SEMESTER POLITICAL SC (HONS) HINDI SHIFT

PROJECT C-14 (SESSION-2020-23 & ACADEMIC YEAR 2023)

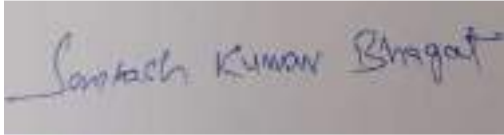
Date 29/06/2023

Department of Political Science (Hindi Shift) successfully supervised 94 project work done by BA Honours in Political Science VI Semester students of 2020-22 session during January 2023 – June 2023 under the supervision of Pawan Gurung, Assistant Professor, Department of Political Science (Hindi Shift), B.B. College, Asansol and Santosh Kumar Bhagat, Assistant Professor, Department of Political Science (Hindi Shift), B.B. College, Asansol. These project works were done on the various topic of discipline of Political Science and its allied subject, for instance World Bank, Contemporary Farmers Agitation, Discourse on Indian Secularism, Global Initiative to Address Climate Change, Local Self Governance in West Bengal, Women Empowerment, Participation of Women in Indian Independence Movement among others of discipline of Political Science and its allied subject. Students submitted their project papers in 90 teaching days followed by viva-voce conducted by the Department. Consequent upon these project work, students get aware with the current state of knowledge of the concerned topic and were able to enhance their knowledge and identify the gap in knowledge in concerned subject domain. Following guideline were laid down for the purpose of writing of Project Work.

General Guide Lines for Project Writing

1. Students must write their papers from within the discipline of Political Science and its allied subject.
2. Total Marks 50. Internal-30 marks and External marks-20.
3. External Evaluation will be made through viva-voce.

4. External Evaluation will be made through the continuous evaluation process by the respective Supervisor.
5. In respect of the preparation of the project special emphasis will be given on Research Methodology.
6. Each student will select separate Topic
7. Institution will give the priority of the choice of the students regarding the selection of the topic of their choice.

A rectangular box containing a handwritten signature in blue ink. The signature reads "Santosh Kumar Bhagat" with a horizontal line extending to the left of the first name.

HOD

Department of Political Science (Hindi Shift)

KAZI NAZRUL UNIVERSITY



PROJECT REPORT ON WOMEN EMPOWERMENT

B.A.HONS 6TH SEMESTER EXAMINATION

SUBMITTED BY

NAME:- SUSMITA KUMARI KOIRI

REGISTRATION NO : KNU20116002112

ROLL NO.:- 1162006121034102

SUBJECT TYPE :- CC-14

SUBJECT CODE:- BAHPLSC602

SUBMITTED TO - PAWAN GURUNG & SANTOSH BHAGAT

DEPARTMENT OF POLITICAL SCIENCE

(HINDI SHIFT)

BANWARILAL BHALOTIA COLLEGE

USHAGRAM, ASANSOL-713303

2020-2023

**BANWARILAL
BHALOTIA
COLLEGE**
(Kazi Nazimul University)

Name : Saraswati Kumari
Course : B.A (Hons) Political Science
Roll No : HAM-1547/20
Session : 2020-2023
Mobile : 9307945384
Address : Dharmapur Rangpura A/B Type
37/6
E-mail : saraswati.kumari2650@gmail.com

Application NO : BBCOLL-1580125/20
TOPIC : Problems, challenges and
Security concerns faced
by transgender people.

Submitted to
Pooja Chaurasia

**Kazi Nazrul University
Banwarilal Bhalotia College**



Quadrilateral Security Dialogue

**Name : Puja Kumari
Reg. no: KNU20116001728
Course name: Project
Course code: BAHPLSC602
Department: Political science**

**Submitted to
Pawan Gurung
&
Santosh Bhagat**

**Submitted by
Puja kumari**

KAZI NAZRUL UNIVERSITY



Project On Sustainable Development



Submitted By:-

Name: Bikram Shaw
Roll No.: 1162006121034023
Registration No.: KNU/20116001820
Course Type: CC-14
Course Code: BAHPLESC602
Submitted To: Pawan Goring
Department of Political Science (Hindi Shift)
Session 2020-2023



काजी नजरुल विश्वविद्यालय
बनयारीलाल भलोडिया महाविद्यालय, आसनसोल



संयुक्त राष्ट्र विकास कार्यक्रम परियोजना

नाम :- आर्यन शर्मा
अनुक्रमांक :- 1162005121034017
पंजीकरण संख्या :- KNU20110002469
पाठ्यक्रम प्रकार :- C
पाठ्यक्रम संहिता :- BAHPLSC602
विभाग :- राजनीति विज्ञान (हिंदी पारी)
सत्र :- 2023-2023

आर्यन शर्मा
काजी नजरुल विश्वविद्यालय

संयुक्त राष्ट्र विकास कार्यक्रम परियोजना
काजी नजरुल विश्वविद्यालय

B.B. COLLEGE ASANSOL

KAZI NAZRUL UNIVERSITY



B.A (Hons.) 6th Semester Examination

Subject Type :- CC-14

Subject Code :-BAHPLSC602

Subject Topic :- Gram Panchayat Gathan aur Kshamta

Submitted By

Name :- Chanda Kumari Beldar

Reg. No :- KNU20116002399

Roll No :- 1162006121034028

Session :- 2022-23

सेवक

**Submitted To :- Pawan Gurung & Santosh Bhagat
Department of Political Science (Hindi Shift)
B.B. College, Asansol**

KAZI NAZRUL UNIVERSITY

B. B. COLLEGE
PROJECT ON SUSTAINABLE
DEVELOPMENT
SUBMITTED BY :-

NAME :- BINNIT KUMARI
ROLL NO :- 1162005121034

REGISTRATION ON :- KNU -
20116002141

COURSE CODE :- BAHPLSC602

COURSE TYPE :- CE-14

SUBMITTED TO :- PAWAN
GURUNG

DEPARTMENT OF POLITICAL
SCIENCE (HINDI SHIFT)
SESSION :- 2020-2021

KAZI NAZRUL UNIVERSITY

BANWARILAL BHALOTIA COLLEGE



B.A. (HONS) 6TH SEMESTER EXAMINATION

PROJECT TOPIC:- NEW SOCIAL MOVEMENT

NAME:-	NIRMALA KUMARI
REGISTRATION NO.:-	KNU20116002083
ROLL NO.:-	1162005121034059
SUBJECT TYPE:-	CC-14
SUBJECT CODE:-	BAHPL5G602
SESSION:-	2021-2022 (2019-2023)

SUBMITTED TO:- PAWAN GURUNG & SANTOSH BHAGAT
DEPARTMENT OF POLITICAL SCIENCE (HINDI SIFT)
B.B. COLLEGE ABANSOL

BANWARILAL BHALOTIA COLLEGE

KAZI NAZRUL UNIVERSITY



B.A (HONS) 6TH SEMESTER EXAMINATION

SUBJECT TYPE: - CC-14

SUBJECT CODE: - BAHPLSC602

**PROJECT TOPIC:- POLITICAL LEADERSHIP & ECONOMIC
DEVELOPMENT IN DEVELOPING COUNTRIES**

SUBMITTED BY: -

NAME - LAKSHMI NONIA

REG NO - KNU20116002040

ROLL NO - 1162001121034048

SESSION: - 2021-2022 (2020-2019)

**SUBMITTED TO: - PAWAN GURUNG & SANTOSH BHAGAT
DEPARTMENT OF POLITICAL SCIENCE (HINDI SIFT)
B.B COLLEGE ASANSOL**

BANWARILAL
BHALOTIA
COLLEGE

KAZI NAZRUL UNIVERSITY

PROJECT ON

FIRST WORLD WAR

NAME - YASHMIN PRAVINE

ROLL NO - 353

REGISTRATION - 20116002402

COURSE TYPE - BAHPLSC602

Submitted By - yashmin pravine

Submitted To - Assistant professor,
Sardesh Bhagat



GPS Map Camera



Asansol, West Bengal, India

R.N, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India

Lat 23.681778°

Long 86.996279°

06/06/23 01:15 PM

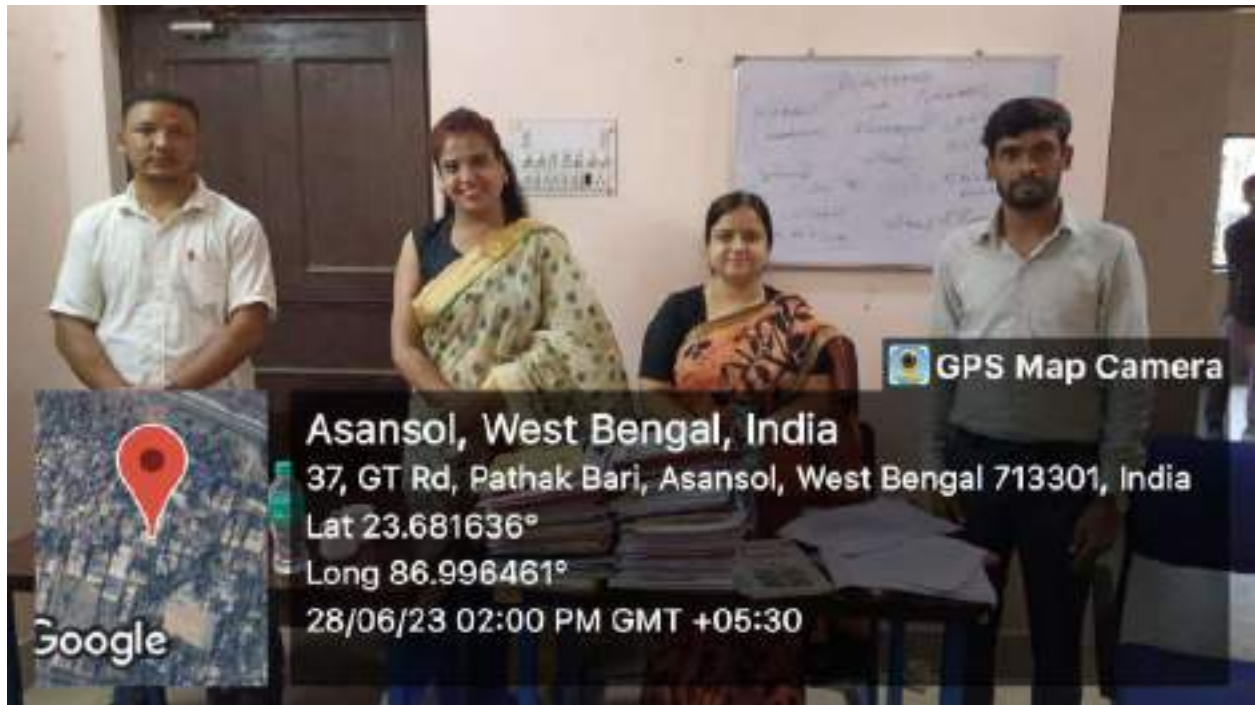


GPS Map Camera



Asansol, West Bengal, India
MXJW+F9M, Tagore Rd, Ushagram, Asansol, West Bengal 713303,
India
Lat 23.681308°
Long 86.996098°
06/06/23 11:51 AM





GPS Map Camera



Asansol, West Bengal, India

37, GT Rd, Pathak Bari, Asansol, West Bengal 713301, India

Lat 23.681636°

Long 86.996461°

28/06/23 02:00 PM GMT +05:30



GPS Map Camera



Asansol, West Bengal, India

MXJW+QF6, Ushagram, Asansol, West Bengal 713303, India

Lat 23.681747°

Long 86.996049°

28/06/23 02:08 PM GMT +05:30



Asansol, West Bengal, India

MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India

Lat 23.681624°

Long 86.996453°

23/06/23 12:24 PM GMT +05:30

Google

March 25, 2023

+91 95645 05188 joined using this group's invite link

N ~ nirmalakumari9382 +91 93827 03399
↳ Forwarded
Name :- NIRALA KUMARI

Topic :- *FEDERAL CHARACTER AND PRODUCTIVITY OF NIGERIA PUBLIC SERVICE (A CASE STUDY QUOTA SYSTEM AND OF NATIONAL PLANNING COMMISSION 2004-2014
9:21 AM

~ 🙄🙄🙄 +91 6297 005 872
~ 😊 NIRU♥️🥰 +91 85148 29282
Hum le leye hain..🥰
Hum pahle hi ye topic lechuke h aap apna topic change kariye
10:01 AM

~ 😊 NIRU♥️🥰 +91 85148 29282
~ 🙄🙄🙄 +91 6297 005 872
Hum pahle hi ye topic lechuke h aap apna topic change kariye
Tum se pahale hum liye hai
10:02 AM


Pawan Gurung s
~ nirmalakumari9382 +91 93827 03399
Name :- NIRALA KUMARI
Topic :- *FEDERAL CHARACTER AND PR...
Yeh topic KNU political science eullahus ee related nahi hay krinava

Message





←  **6th Sem Honors Project Gr...**  
Binisha, Chandan, +91 6296 810 265, +9...


Topic - cold war 11:38 AM

 ~ **Santani**  +91 6297 698 662
~ **Deepa Kumari** +91 96142 35021
Name-Deepa kumari
Topic - cold war
Srry bt It's taken by me 11:39 AM



 ~ **shrituburnwal2002** +91 98834 64874
Name - Shritu Burnwal
Topic - India America relation 11:49 AM

 ~ **Deepa Kumari** +91 96142 35021
 *This message was deleted*
11:50 AM

 ~ **Simran Pasi**  +91.98838 15654
Name-Simran pasi
Topic -Utopian socialism 11:50 AM

 ~ **Deepa Kumari** +91 96142 35021
 *This message was deleted*
11:51 AM

 ~ **Tamanna Khatoon** +91 75018 82465
Name:- Tamanna khatoon
Topic- relationship between India and Nepal 11:52 AM

 ~ **Nitesh Yadav** +91 97349 93689
Name : Nitesh yadav
Topic : India and Bangladesh relation 

 Message    

2:52

4G+ 38%

← 6th Sem Honors Project Gr...
Binisha, Chandan, +91 6296 810 265, +9...

~ R_O_S_A March 24, 2023 90648 76959
Name:- LAKSHMI NONIA
topic :- **POLITICAL LEADERSHIP
AND ECONOMIC DEVELOPMENT IN
DEVELOPING COUNTRIES**
10:19 PM

~ Satyadev Singh +91 90937 02021
This message was deleted
10:20 PM

~ . +91 70763 11806
This message was deleted
10:23 PM

CK Chandan Kumar
Name - Chandan Kumar Singh
Topic - **DPSP**
10:23 PM

~ Satyadev Singh +91 90937 02021
Name - Rahul Singh... Topic - Prime
Minister of India
10:24 PM

~ . +91 70763 11806
Name :Abdul Rahman Usmani
Topic : Conflict Between Fundamental
Rights and Directive Principles Of
States Policy (**Associated Cases**)
10:25 PM

~ BIKRAM KUMAR 🍷👍 +91 6296 416 361
Name:Bikram shaw
Topic:regional and international
impact to address climate change
10:26 PM

Message 📎 🌐 📷 🎤



6th Sem Honors Project Gr...
Binisha, Chandan, +91 6296 810 265, +9...

~ 837266400 March 24, 2023 83729 94001
MD tanweer Ansari /= ham la chuka
haa 7:29 PM

Silent vally 7:30 PM

~ Tanvir +91 75014 88523
~ 8372664001 +91 83729 94001
MD tanweer Ansari /= ham la chuka
haa
Ok 7:30 PM

Name- Md Tanweer Ansari
Topic -World bank 7:31 PM

~ ❤️ +91 6297 168 579
Name- Sanjana paswan
Topic- Bentham ka upyogitavad
7:33 PM

~ Ritik 🤔 +91 85093 74877
Name- Dhananjoy Thakur
Topic -International Monetary Fund
7:37 PM

Saba Polsc
🗑️ This message was deleted 7:46 PM
Name - Saba Tahreen
Topic - Election commission 7:47 PM

+91 89180 56766 joined using this group's invite link

L ~ Love Maut 🤔 +91 93823 18157

Message [Attachment] [App Store] [Camera] [Voice]

6th Sem Honors Project Gr...
Binisha, Chandan, +91 6296 810 265, +9...

~ Payal Choul March 25, 2023 98329 32212
Abhijeet mishra
Abhijeet Mishra , Topic SAARC
Hum la chuke hain please aap aur koi
topic Lijiye 9:08 PM

~ Payal Chouhan +91 98329 32212
This message was deleted 9:10 PM

Abhijeet mishra
Ok 9:10 PM

~ Payal Chouhan +91 98329 32212
Abhijeet mishra
Ok
Thank you 9:11 PM

~ Satyadev Singh +91 90937 02021
Sacchin hum prime minister topic kal
hi le chuke hai tu koi aurr le le...
10:12 PM

+91 73648 63164 joined using this group's invite link

~ +91 00169 93415
~ +91 98007 17748
Name~Banni Khatoon
Topic~Vice president of India
Ye v sayad koi le Chuka h rajya sabha
ka adhayach ya upastrpati same hi h
na 10:22 PM

Message [Attachment] [Currency] [Camera] [Voice]

2:53

4G+ 38%

← 6th Sem Honors Project Gr...
Binisha, Chandan, +91 6296 810 265, +9...

A ~ Asmita March 25, 2023 18468
Name =Nisha paswan
Topic=Gender inequality 1:27 PM

+91 98325 43411 joined using this group's invite link

~ Praduman Mahato +91 98325 43411
Name -Anita Mahato
Topic-kautilya's six fold policy 1:39 PM

Sachindanand
Name ~ Sachitanand yadav
Topic ~ lock ke praktik Adhikar
4:35 PM

P ~ Preety +91 70014 33846
Sachitanand Yadav aap jo topic liye ho
wo main kal le chuki hu 4:52 PM

Please aap topic change kr lo 4:52 PM


Sachindanand
~ Preety +91 70014 33846
Please aap topic change kr lo
Accha thik hai 👍 4:53 PM


P ~ Preety +91 70014 33846
Okey 4:53 PM


Sachindanand
Name ~ sachitanand yadav
Topic ~ Bentham ka upiyogitawaad

Message





←  6th Sem Honors Project Gr...
Binisha, Chandan, +91 6296 810 265, +9...


 **Hasan**
Name: Md Hasan Ansari
Topic: Role of media in influencing political decision
6:25 PM

 ~ **prity** +91 93390 51166
Name: kabita Ram
Topic : Bishnoi movement
6:28 PM

 ~ **★jyoti★** +91 79086 87034
Name = Jyoti yadav
Topic = J S mill ka upyogitavad
6:28 PM

 ~  +91 6296 518 598
Name:- Md Wasim
Topic :- Importance of Fundamental rights
6:30 PM

+91 85093 74877 joined using this group's invite link

 **Pawan Gurung s**
Aap log Jo topic choose karenge ya kar Rahi hey. Woh topics political science syllabus ke andar honi chahiye.
6:41 PM

 ~ **prity** +91 93390 51166
Name: kabita Ram
Topic : Bishnoi movement
Bishnoi movement syllabus pe nahi hey
6:41 PM

 ~ **Nikita** +91 99328 97721

 Message



March 28, 2023

You're now an admin

March 29, 2023

N ~ No Name 🙄🙄🙄🙄 +91 93820 79332
Name:- Priya Nonia
Topic:- panchayati rajya 11:33 AM

L ~ Love Maut 😊 +91 93823 18157
Name- Radha kumari Choudhary
Topic-. Gandhi: Swaraj and trusteeship
3:00 PM

March 30, 2023

[Profile] - 😊 +91 832 870 6161
🚫 This message was deleted 9:06 PM

KC Kajal Chiwdhury
🚫 This message was deleted 9:14 PM

[Profile] ~ 😊~😊~😊 +91 98007 17748
~ 😊~😊~😊 +91 98007 17748
Name~Banni Khatoon
Topic~Vice president of India
Ye koi liya h 10:49 PM

March 31, 2023

[Profile] ~ Sana Khan ❤️❤️ +91 73639 89196
~ 😊~😊~😊 +91 98007 17748

2:50

40% 5G 39%



Dept. of Pol. Sc Hindi...

Pawan, Piyali, Queen, You



23/06/2023	11 am to 2 pm	23/06/2023	11 am to 2 pm
24/06/2023	2 pm to 4 pm	24/06/2023	2 pm to 4 pm
25/06/2023	11 am to 2 pm	25/06/2023	11 am to 2 pm
26/06/2023	2 pm to 4 pm	26/06/2023	2 pm to 4 pm

1:36 PM

June 17, 2023

Notice

This is to inform all concerned students of BA Honours in Political Science VI semester that Viva-Voce of the **Project** (C-14) will be held on 23/06/2023 and 28/06/2023 at 11AM in Hindi Shift Hall room.

Schedule of the Viva-Voce:

Name Range A-M - 23/06/2023 11AM

Name Range N-Z - 28/06/2023 11AM

Santosh Bhagat

HoD

Department of Political Science Hindi Shift

BB College, Asansol

10:13 AM

Forwarded



Revised Schedule of Viva-Voce of the **Project** of S...

62 kB · DOC

10:14 AM

June 18, 2023



Message




2:51

4G+ 38%

←  6th Sem Honors Project Gr...
Binisha, Chandan, +91 6296 810 265, +9...

March 24, 2023


 Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.


Mayra created group "6th Sem Honors Project Group."

Pawan Gurung s added you


+91 79086 87034 joined using this group's invite link

 ~ Aryan Mahato 😊 +91 82501 77769
Name -Madhu Mahato
Topic- Ambedker ka samajik Naya
5:26 PM

 ~ Puja +91 70475 82519
Name -: puja kumari
Topic -: The Indian Constitution
5:46 PM

 ~ prity +91 93390 51166
Name : kabita Ram
Topic: Chipko aandolan 6:19 PM


 ~ Seenu 🙏 +91 86375 75273
 ~ prity +91 93390 51166
Name : kabita Ram
Topic: Chipko aandolan
Le chuke h hum already 😊 6:20 PM

 ~ prity +91 93390 51166
Ooh sorry mujhe pta nhi tha 6:21 PM

 Message





 GPS Map Camera


Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West
Bengal 713303, India
Lat 23.681624°
Long 86.996453°
23/06/23 12:24 PM GMT +05:30



Project Report
Department of Political Science (Day Section)
B.B. College
Asansol

Under graduate Program of Political Science Hons under CBCS syllabus of KNU has Project in 6th Semester with the objective of training the students for future research. Department of Political Science Day section of B.B. College Asansol has received sixty Projects from the student of 2020-2023 batch.


Signature Course Instructor


Department of Political Science
B. B. College Asansol
Signature HoD

2023 Project Submission Detail of the Students

Department of Political Science (Day Section)

6th Semester Core 14

Sl.NO.	Registration No	Roll Number	Name of the Students	Topic
1	KNU20102004402	1022003121034001	ABHIJIT BHATTACHARJEE	Durnitir Biruddhe ni Shahar Vumika
2	KNU20102004519	1022003121034002	ABHISEK GORAI	Power & Function of Lok Sabha
3	KNU20102004496	1022003121034003	ABHISHEK GHOSH	Local Governments & its Problem
4	KNU20102005176	1022003121034004	AFRIN NAAZ	Political Thought of Aristotle
5	KNU20102006317	1022003121034005	AISHWARYA GUPTA	Women Empowerment I India
6	KNU20102006289	1022003121034006	AKASH DEY	Ward Committee
7	KNU20102004792	1022003121034008	AMRIT CHAKRABORTY	Power & Functions of C.M
8	KNU20102006010	1022003121034010	ANINDITA ROY	Gender Equality in India
9	KNU20102004804	1022003121034012	ANTARA CHATTERJEE	Power & Function of Municipality
10	KNU20102006772	1022003121034014	ARTI PANDEY	NHRC Power and Function
11	KNU20102006308	1022003121034015	ATIYA ANJUM	B.R. Ambedkar Political Thought
12	KNU20102004522	1022003121034018	DHRITISHREE CHATTERJEE	Equality Theory and Practice
13	KNU20102005602	1022003121034016	BARUN GHOSH	Rabinder Nath's Nationalism
14	KNU20102005562	1022003121034022	JAYATI GHOSH	Secularism in India
15	KNU20102006358	1022003121034023	KALYANI KORA	Technology and Environment
16	KNU20102004708	1022003121034024	KOUSHIK PAL	Ward Committee
17	KNU20102005443	1022003121034025	KOUSIK MONDAL	Role of Ward Committee
18	KNU20102005843	1022003121034026	LAXMI KOUR	Women Empowerment in India
19	KNU20102004530	1022003121034027	MAHIMA CHOWDHURY	Environmental pollution & Remedies
20	KNU20102005283	1022003121034028	MD ARQUAM ALI	Herbert Simon Decision Making
21	KNU20102006130	1022003121034029	MD ARSALAN ANWER	Globalization
22	KNU20102005879	1022003121034030	MD HUSSAIN KHAN	74 th Constitution Amendment Act
23	KNU20102006125	1022003121034031	MD SOHAIL ANSARI	SAARC



24	KNU/20102004690	1022003121034032	MOHIMA CHATTERJEE	ASLAN
25	KNU/20102005475	1022003121034033	MONALISHA CHATTERJEE	Dowry system
26	KNU/20102005518	1022003121034035	MUSKAN MAJJASAM	73 rd constitutional Amendment Act
27	KNU/20102004951	1022003121034036	SALEMA KHATOON	Rajaram Mohun Roy Political Thought
28	KNU/20102004758	1022003121034037	NAZNEEN PARWEEN	Liberalism
29	KNU/20102005138	1022003121034038	NIHIMA RUIDAS	Cyber Crime
30	KNU/20102005749	1022003121034039	PARBATI MONDAL	Power & Functions of Speaker
31	KNU/20102006041	1022003121034040	PRAMILA HANSDA	Youth Parliament
32	KNU/20102004529	1022003121034041	PRASENJI KARMAKAR	Power & Function of P.M
33	KNU/20102005407	1022003121034042	PRIYANKA PAI	Bankim Chander Nationalism
34	KNU/20102005376	1022003121034043	PUJA DAS	India-Nepal Bilateral Relations
35	KNU/20102005827	1022003121034044	PUSPITA MALA	Educational Right & its Execution
36	KNU/20102006280	1022003121034045	KAJIB DAS	Fundamental Rights
37	KNU/20102004476	1022003121034046	RIMI VERMA	India-Pakistan Cross border Relation
38	KNU/20102005337	1022003121034047	RUPA RUIDAS	Child Labor
39	KNU/20102004910	1022003121034048	SANAA NAAZ	Relevance of Gandhian Philosophy
40	KNU/20102005869	1022003121034049	SANTOSHI CHOWDHURY	Political Participation of Women - Local Government
41	KNU/20102005152	1022003121034050	SATHI CHATTERJEE	Protection of women in West Bengal
42	KNU/20102005648	1022003121034051	SATISH KR MANDAL	Challenges of Democracy
43	KNU/20102004567	1022003121034052	SHAGUFTA NAAZ	Gandhian Political Thought
44	KNU/20102005876	1022003121034053	SHAHID SALIM	Kautilya Political Thought
45	KNU/20102005480	1022003121034054	SHARMISTHA GOSWAMI	Bodin Sovereignty
46	KNU/20102005265	1022003121034056	SIMPI KUMARI HARJAN	Air Pollution
47	KNU/20102005856	1022003121034057	SIYA BISWAKARMA	Chipko Movement
48	KNU/20102005086	1022003121034058	SK NOID	World Bank
49	KNU/20102004622	1022003121034059	SK RUJDAR	Kolkata Municipal Corporation
50	KNU/20102005844	1022003121034060	SOMA BISWAS	Judicial System - Success and Failure
51	KNU/20102006395	1022003121034061	SONALI KARMAKAR	Right to Equality
52	KNU/20102004454	1022003121034063	SUCHANDRA BISWAS	Bastar Vitar Nirikhe Bharat - Bangladesh Samparka
53	KNU/20102005050	1022003121034064	SUKHAMOY GHANTY	Rajya Sabha
54	KNU/20102005003	1022003121034066	SUNITA MONDAL	Terrorism in India



55	KNU/20102004464	1022003121034067	SWETA BURNWAL	India & the emerging Geopolitics
56	KNU/20102005831	1022003121034068	SWETA KARMAKAR	Role of Municipality in Environment
57	KNU/20102006273	1022003121034070	TIYA SARKAR	Local self Government at Village
58	KNU/20102004437	1022003121034071	VIVEK KUMAR YADAV	Theory and Practice Of Human Rights
59	KNU/20102004775	1022003121034072	ZEENAT PARWEEN	India-China border Relations
60	KNU/20102004543		CHHAYA RANI BAURI	KANYA SHREE PRAKALPA



Semester – VI**C-13 – Local Government in West Bengal: 50 Marks**

Unit 1: Evolution of Rural and Urban local government in West Bengal since independence

Unit 2: Structure and functions of Panchayati Raj Institutions in the light of the 73rd Constitution (Amendment) Act, 1992.

Unit 3: Structure and functions of urban local governments under the 74th Constitution (Amendment) Act, 1993 and the West Bengal Municipality Act, 1993.

Unit 4: Local Government and empowerment of women, SCs, and STs.

Unit 5: State-Local Government Relations: Financial control of the State.

Suggested Readings:

1. Chakraborty, Biswanath, People's Participation in West Bengal Panchayat System, (Kolkata: Mitram)
2. Datta, Prabhat and Sen, Panchali, Panchayat, Rural Development and Local Autonomy: West Bengal Experience, (Kolkata: Dasgupta and Co.)
3. Bhattachariya, Moitree, Panchayati Raj in West Bengal.: Democratic Decentralization and Democratic Centralism, (New Delhi: Monak Publication)
4. অসিত কুমার বসু, পশ্চিমবঙ্গে পঞ্চায়ত ব্যবস্থা (কলকাতা: প: ব: রাজ্য পুস্তক পর্ষৎ)

C-14 – Project: 50 Marks

Students must write their projects from within the discipline of Political Science and its allied subjects. 40 marks for the assessment of the paper and 10 marks for viva-voce.

DSE – Understanding Global Politics

Unit 1: Evolution of the state system and the concept of sovereignty.

Unit 2: Global Economy; Bretton woods institutions and W.T.O.

Unit 3: Transnational economic actors

Unit 4: Global Poverty: Millennium Development Goals and unfulfilled promises.

Suggested Readings:

1. Heywood, Andrew, Global Politics, (London: Palgrave Macmillan)
2. Mansbach, Richard W. and Rafferty, L. Kirsten, Introduction to Global Politics, (New York: Routledge)
3. R. Mansbach and K. Taylor, 'International Political Economy', *Introduction to Global Politics*, 2nd Edition (New York: Routledge)
4. A. Narlikar, *The World Trade Organization: A Very Short Introduction* (New Delhi: Oxford University Press)
5. R. Wade, 'Globalisation, Growth, Poverty, Inequality, Resentment, and Imperialism', in J. Ravenhill (ed.), *Global Political Economy* (Oxford: Oxford University Press)

Signature
23/05/18

Co-ordinator
Dept. of Pol. Science
KAZI NAZRUL UNIVERSITY
ASANSOL

TOPIC OF PROJECT

**THE RELEVANCE OF GANDHIAN PHILOSOPHY IN MODERN TIME
& SEVEN SOCIAL SINS BY M. K. GANDHI**

UNDER THE SUPERVISION OF DR. KAKALI KUNDU



B.A. (HONOURS) VI SEMESTER EXAMINATION 2023

SUBMITTED BY : SANAA NAAZ
UNIVERSITY ROLL NO. : 1022005121034048
REGISTRATION NO. : KNU20102004910
SESSION : 2020-2023
COURSE CODE : BAHPLSC602
COURSE TYPE : CC-14 (PROJECT)

Sanna Naaz
15/06/2023

DEPARTMENT OF POLITICAL SCIENCE

BANWARILAL BHALOTIA COLLEGE (B. B. COLLEGE)

ASANSOL

AFFILIATED TO KAZI NAZRUL UNIVERSITY, WEST BENGAL (INDIA)

KAZI NAZRUL UNIVERSITY



PROJECT ON POLITICAL SCIENCE

আইনের দৃষ্টিতে সাম্যের অধিকার

SUBMITTED BY

NAME:- SONALI KARMAKAR

REGISTRATION NO : KNU20102006395

ROLL NO.:-

SUBJECT NAME:- POLITICAL SCIENCE

SUBJECT CODE:-BAHPLAC602

NAME OF THE SUPERVISOR :- KAKULI KUNDU

DEPARTMENT OF POLITICAL SCIENCE
BANWARILAL BHALOTIA COLLEGE
USHAGRAM, ASANSOL-713303
2020-2023

BANWARILAL BHALOTIA COLLEGE



Project on :

RAJA RAM MOHAN ROY'S

POLITICAL THOUGHT AND HIS SOCIAL WORK

NAME : **NAEEMA KHATOON**

REG. NO. : **KNU20102004951**

ROLL NO. : **1022006121034036**

SEMESTER : **VI**

PAPER : **CORE - 14**

NAME OF THE SUPERVISOR : **DR. KAKALI KUNDU**

DEPARTMENT : **POLITICAL SCIENCE**

DATE : **18-05-2023**

BANWARILAL BHALOTIA COLLEGE



ESTD :- 1944



PROJECT ON POLITICAL SCIENCE TOPIC : TERRORISM IN INDIA

NAME :- SUNITA MONDAL
REG NO. :- KNU20102005003
PAPPER CORE :- 14 (PROJECT) , SEM-VI
SESSION :- 2020-2023
NAME OF THE SUPERVISOR :- DR. KAKALI KUNDU
DATE :- 18.05.2023

KAZI NAZRUL UNIVERSITY



PROJECT ON POLITICAL SCIENCE

Powers and Function of Municipalities

SUBMITTED BY

NAME:- ANTARA CHATTERJEE

REGISTRATION NO : KNU20102004804

ROLL NO.:-

SUBJECT NAME:- POLITICAL SCIENCE

SUBJECT CODE:- BAHPLSC602

DEPARTMENT OF POLITICAL SCIENCE
BANWARILAL BHALOTIA COLLEGE
USHAGRAM, ASANSOL-713303
2020-2023

23) N/A

KAZI NAZRUL UNIVERSITY

ASANSOL



Banwarilal Bhalotra College

Political Science Project

Topic:- Gender Inequality

CORE- 14

IDENTIFIED BY:- JAYDEB

DAH-903/19

1021906121034034

KNU19102004130

POLITICAL SCIENCE (HONS)

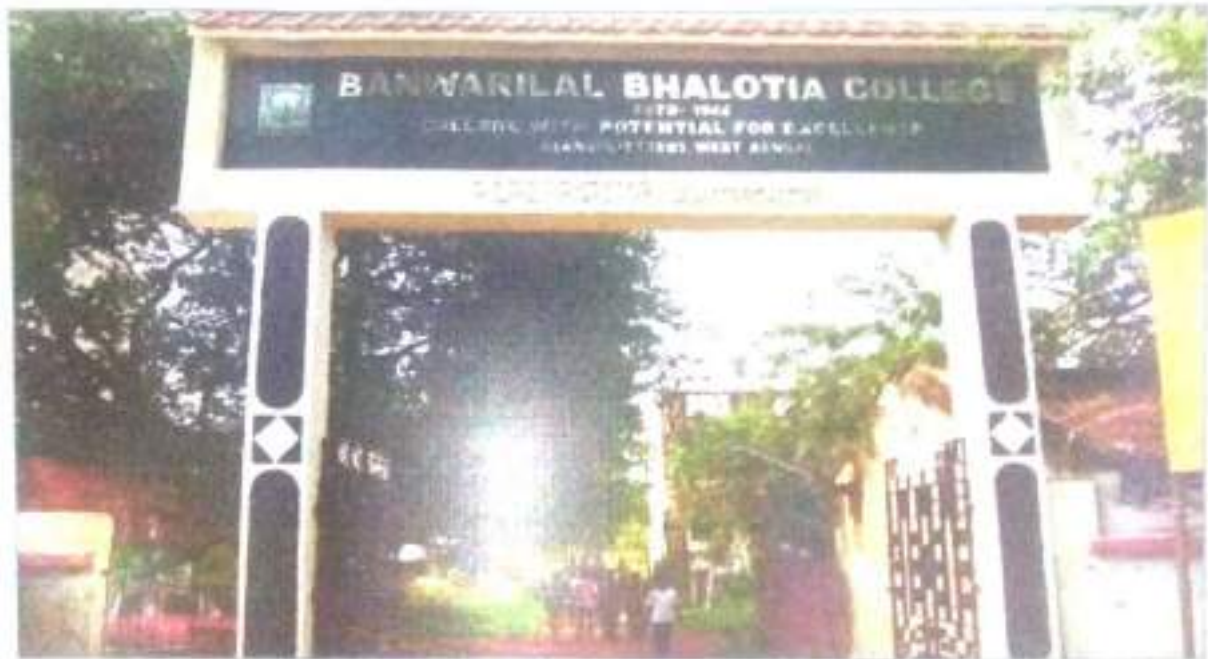
2022

Jaydeb Bhaskar

15/10/2020

KAZI NAZRUL UNIVERSITY

ASANSOL



BANWARILAL BHALOTIA COLLEGE, ASANSOL

POLITICAL SCIENCE PROJECT

TOPIC : রাজ্যসভা

SUBMITTED BY : SUKHAMOY GHANTY

ROLL NO. : 1022005121034064

REGISTRATION NO. : KNU20102005050

SUBJECT : POLITICAL SCIENCE (CORE-14)

DEPARTMENT : POLITICAL SCIENCE (HONS)

BANWARILAL BHALOTIA COLLEGE

Power and Position of the Speaker

• Name - Pabhati Mondal

• REG. No (YEAR) KNU
20102005749 (2020-2021)

• SEMESTER: VIth SEMESTER

• PAPER: C-14

• NAME OF
SUPERVISOR: DR. KAKALI KUNDU

• DEPARTMENT: Political
SCIENCE

• DATE: 18/05/2023

Banwarilal Bhalotia College



POLITICAL SCIENCE PROJECT

প্রকল্প :- ভারতের লোকসভার ক্ষমতা এবং কার্যাবলী

Name :- ABHISEK GORAI
Roll No :- 1022006121034002
Registration No :- KNU20102004519
Session :- 2020-2021
Stream :- B.A Honours In Political Science
Department :- Political Science
Paper :- C-14
Year :- 3rd YEAR (6TH SEMESTER)
Name of the Supervisor :- Dr KAKULI KUNDU

KAZI NAZRUL UNIVERSITY ASANSOL



BANWARILAL BHALOTIA COLLEGE

Political Science Project

Topic : RELATION BETWEEN INDIA & BANGLADESH

CORE : 14

Submitted By : MAHJABEEN SULTAN

Roll No : 1021906121034044

Registration No : KNU19102003168

Department : POLITICAL SCIENCE (Hons)

Date. 24-5-22

Signature. *M. Sultan*

BANWARI LAL BHALOTIA COLLEGE

PROJECT ON



BASTOB VITTIR NIRIKHE BHARAT BANGLADESH SOMPOKER SAMPROTIK GOTIPROKRITI

NAME : SUCHANDEA BISWAS

REG. NO. : BBN2019040454

YEAR : 2020-21

ROLL NO. : 1022086121000025

SEMESTER : VI

PAPER : C-14

DEPARTMENT : POLITICAL SCIENCE

NAME OF SUPERVISOR: DR. KANISHA KUNDA

DATE: 19-05-2023

KAZI NAZRUL UNIVERSITY

ASANSOL



BANWARILAL BHALOTIA COLLEGE

**TOPIC :- POWER & FUNCTIONS OF THE CHIEF MINISTER
OF WEST BANGAL**

CORE-14

NAME : AMRIT CHAKRABORTY
REGISTRATION NO : KNU20102004792
REGISTRATION YEAR : 2020-2021
ROLL NO : 1022004121034008
SEMESTER : VI
PAPER : C-14
NAME OF THE SUPERVISOR : SMT. KAKALI KUNDU(SARKAR)
DEPARTMENT : POLITICAL SCIENCE

DATE :...18.5.23

SIGNATURE.....
Amrit Chakraborty



Banwarilal Bhalotia College
Affiliated to **KAZI NAZRUL UNIVERSITY, Asansol**
(Govt. Sponsored U G & P G College)
Asansol- 713303, West Bengal (INDIA)

Handwritten signature and date: 15/06/2021

Handwritten checkmark

Phone : 0341-2274842
Fax : 0341-2274529
Web : www.bbcollege.ac.in
Email : bbcollege1944@gmail.com

TO WHOM IT MAY CONCERN

This is to certify that the proposed title for Core-14 Project Theory and Practice of Human rights at Bhamaxa, West Block, Celliery, Sripur E.C.L AN for the partial fulfillment of **B.A. 6th Semester in Political Science (Hons.)** Programme of Kazi Nazrul University, Asansol (KNU) will be carried out by Mr./Miss. VIVEK KUMAR YADAV Roll No. 1022006121034071 & Registration No. KNU20192004437 of 2020 - 2021 In the Academic Session 2023 Under my guidance.

I wish him / her all success in his/her career.

Handwritten signature of Dr. Kakali Kundu
Dr. Kakali Kundu

Core-14 - Project Supervisor
Department of Political Science

Dr. Kakali Kundu
Associate Professor (Day Shift)
Department of Political Science (Day Shift)
Banwarilal Bhalotia College, Asansol

BANWARILAL BHALOTIA COLLEGE

PROJECT ON

KAUTILYA POLITICAL THOUGHT & PHILOSOPHY

NAME : SHAHID SALIM
REG.NO(YEAR) : KNU20102005876
(2020/2021)
ROLL NO : 1022006121034053
SEMISTER : 6th
PAPER : CORE 14
NAME OF SUPERVISOR : DR.KAKALI KUNDU
DEPARTMENT : POLITICAL SC.

DATE

: 18th May'2023

Dr. Kakali Kundu
Associate Professor
Department of Political Science (Day Shift)
Banwarilal Bhalotia College, Asansol

Handwritten mark

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE

PROJECT ON

74th CONSTITUTIONAL AMENDMENT ACT

Name	:	MD HUSSAIN KHAN
Registration No	:	KNU20102005879
Roll No	:	1022006121034030
Semester	:	6-SEMESTER
Paper	:	CC-14
Name of Supervisor	:	DR.KAKALI KUNDU
Discipline	:	POLITICAL SCIENCE
Session	:	2020-2021
Date of Submission	:	18-05-2023

Signature
28/05/23

NOTICE

**BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF EDUCATION
SEC PRACTICAL**

It is hereby notified to all the IIIrd Semester students that their SEC practical examination will be held on 10/01/2023 (Tuesday) around 11.30 am in the college computer lab. Everyone must be present on the said date and time.

HoD
Satyashree Rout.
Dtd:4/01/2023

NOTICE

**BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF EDUCATION
SEC PRACTICAL**

It is hereby notified to all the IV Th Semester students that their SEC practical examination for Action Research and case study will be held on 22/06/2023(Thursday) around 11.00 am in the department . Everyone must be present on the said date and time.

Satyashree Rout.
Dtd: 14/06/2023

SKILL ENHANCEMENT COURSE
DEPARTMENT OF EDUCATION , B.B.COLLEGE ,ASANSOL

III RD SEM 2022-23

Course: SEC 3 (BAHEDDCSE-302) - COMPUTER APPLICATION IN EDUCATION	Page Number: 08
Objectives: After going through this course, the students will be able to: <ul style="list-style-type: none"> • Apply various computer applications in the field of education. • Perform fundamental works in MS WORD. • Perform fundamental works in MS EXCEL. • Perform fundamental works in MS POWER POINT. • Make graphical representations. 	
Unit I Basics of MS WORD <ul style="list-style-type: none"> • Type a word document with the following specifications: <ul style="list-style-type: none"> • Text in Times New Roman, font size-12. • Title in French Script MT, font size: 16, bold and underlined. • Insert a table of 4x3 in between the text. • Design a colourful merit certificate mentioning the event name, event date, venue, organizer etc, name of the candidate and teacher affiliation, mark/position in landscape orientation with a light coloured background and appropriate design border around the document. 	
Unit II Basics of MS EXCEL <ul style="list-style-type: none"> • Calculating total and Average • Mark sheet preparation • Graphically representing of the data: Pie Chart & Histogram • Graphs/chart should have a heading, an index and it should be properly labeled. 	
Unit III Serial Preparation <ul style="list-style-type: none"> • Prepare a book list containing ten books on Education. • APA format must be maintained. • Space between the lines will be 1.5. • Should arrange the list alphabetically. 	
Unit IV Table Preparation <ul style="list-style-type: none"> • Design a time table for your department (the first line should mention the name of the department - it should be in 14 points in Times New Roman and should be bold, normal gap between the lines). <ul style="list-style-type: none"> • The second line should mention the academic year. • Leave 1.5 gap between the academic year and the table. • Create a table specifying rows (denoting periods) and columns (denoting days). • Type the name with the discipline mentioning name of the paper and initial of the teacher. • Format should contain the date from which the course will be effective (w.e.f. ---). • Students can apply their own colour preferences for designing the table rows and columns. 	
Unit V Certificate Preparation <ul style="list-style-type: none"> • Create the following one page document and take a print out on A4 size paper. • Design a colourful merit certificate mentioning the event name, event date, venue, organizer etc, name of the candidate and teacher affiliation, mark/position in landscape orientation with a light coloured background and appropriate design border around the document. 	
Unit VI Basics of Power Point <ul style="list-style-type: none"> • Create a power point presentation: <ul style="list-style-type: none"> • Create 10 separate slides containing text, number, graphs, images, animations, tables. • Select a background. • Each slide must have a title which must be in capital, bold and centrally aligned. • Text and title should be of different colours. 	
Recommended Books: <ul style="list-style-type: none"> • Anil Jain- Computer in Education • M. Jais- PRINCIPLES OF EDUCATION • M. Jais- A NEW WAY OF LOOKING AT EDUCATION • Anand Kulkarni- Project Management 	

This SEC paper whose subject code is BAHEDDCSE -302 , Computer Application in Education is a practical based paper . In this paper 30 Marks assignment is assigned to students as a project and 20 marks is assigned to the Viva. The credit score of this paper is 4.

There are 26 student’s in the 3rd semester 2022-23 . They have successfully submitted their project within time in the department. The Viva was held on 04/01/2023

Some sample of the projects have been provided below:

III RD SEM , SEC PROJECT . 2022-23

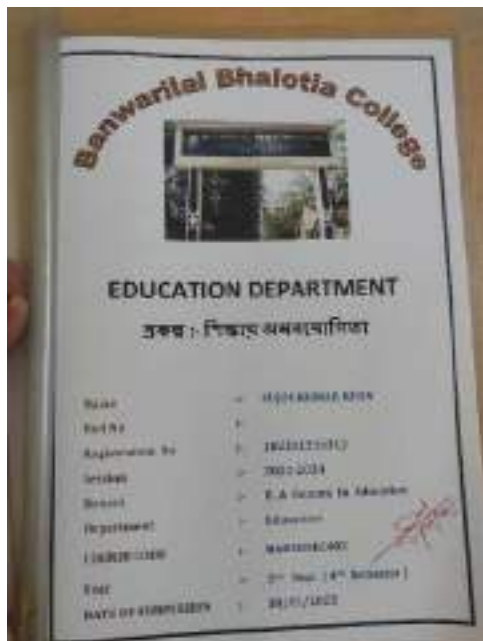


IV TH SEM, 2022-23

Course: SEC-2 (BAHEDCSEC-02): ACTION RESEARCH AND CASE STUDY	Full Marks: 50
Objectives: After completion of the course, the students will be able to- <ul style="list-style-type: none"> • develop the concept of action research and its importance in education • write a report on an action research undertaken by them 	
Unit I Introduction to action research <ul style="list-style-type: none"> • Meaning and objectives of action research • Advantages of action research • Areas of action research 	
Unit II Practicum <ul style="list-style-type: none"> • The students are required to conduct an action research individually from any one of the following topics <ol style="list-style-type: none"> 1) Any problem related to teaching learning process/ methodology of teaching 2) Any problem related to organizing co-curricular activities in school 3) Any problem related to administration and management of the school/ educational system. OR any other suitable topic(s). 	
Format Writing the report of the practical work <ul style="list-style-type: none"> - back ground of the problem – its identification - planning the research - theoretical basis of the problem – review of related literature 	
Procedure of the study <ul style="list-style-type: none"> Participants / sample of the study Gathering of data – Tools used in the study Analysis of the data – Descriptive analysis/ statistics Reporting of results, Interpretation of data, identifying the causes of the problem Actions to be taken Follow up Suggestion References 	

The 4th semester includes another SEC paper ;Action research and case study whose subject code is BAHEDCSE402 is a practicum based paper. It has 4 credits . The number pattern is divided into 30+20. 30 marks is allotted for project on action research & 20 marks is allotted to the viva . In this project the students are instructed to conduct their research on any of the present academic related issues. The students had submitted successfully their project within time and the related viva was held on 22/06.2023.

There were 26 students in the 4th semester. Some of their project samples has been provide below:



BANUWARILAL BHALOTIA COLLEGE



PROJECT EDUCATION
STATUS OF IMPLEMENTATION OF RIGHT TO EDUCATION ACT (2009) AT SCHOOLS

NAME: **VEDANT KUMAR**

ROLL NO: **102210212103004**

REG NO: **10221179138**

PAPER: **STATUS OF IMPLEMENTATION OF RIGHT TO EDUCATION ACT (2009) AT SCHOOLS (PROJECT)**

SUBJECT: **EDUCATION**

SEMESTER: **IV**

SECTION: **2024-2024**

DATE: _____

KAZI NAZRUL UNIVERSITY
LUMBUDEGAJI LIBRARY

RESPONSIBLE HEAD OF PROJECT

PROJECT NAME
IMPACT OF MEDICAL TRAINING ON EDUCATION



DEPARTMENT OF EDUCATION

Submitted by

NAME: **ERA MUMU**

ROLL NO: **248-0101**

REGISTRATION NO: **10051124013**

COURSE CODE: **DAEEDCE005**

SESSION: _____


BANWARILAL BHALOTIA COLLEGE

KAZI NAZRUL UNIVERSITY
DEPARTMENT OF EDUCATION
2022-2023
PROJECT WORK: KAZI NAZRUL UNIVERSITY



SUBMITTED BY
NAME : JAYATI KUMARI
REGISTRATION NO. : 2022020000000000
COLLEGE CODE : 0000000000000000

BANWARILAL BHALOTIA COLLEGE
ASANSOL
KAZI NAZRUL UNIVERSITY
YEAR : 2023




Submitted to the Department of Education

Name : JAYATI KUMARI
Roll Number : 2022020000000000
Reg. Number : 2022020000000000
Semester : 4th
Course Code : BAEDKSEC-402
B.A. Honors in Education

**LOCAL EXCURSION TO
BISNUPUR
SERICULTURE FARM
(APRIL 2023)**

PERMISSION LETTER FROM PRINCIPAL SIR

 **POST GRADUATE DEPT. OF ZOOLOGY**
BANWARILAL BHALOTIA COLLEGE

ASANSOL-713303 • WEST BENGAL • INDIA • PH : 0341-2274529, 2275414

Ref. No. _____ Date _____

To
The Principal
B. B. College
Asansol-713303

Subject: Intimation about conduction of an educational tour on 6th April, 2023 at Bishnupur Sericulture Complex

Respected sir,

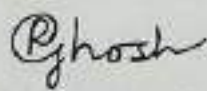
I would like to inform and seek your permission to conduct a mandatory educational tour for the B.Sc. 6th semester Honours students at Bishnupur Sericulture Complex, West Bengal on 6th April, 2023.

Dr. Rajrupa Ghosh (HOD), Dr. Sangita Lahiry, Dr. Arayee Dey, Ms. Saswati Chakraborty, Dr. Sangeeta Janta and Mr. Karshik Kr. Mondal will be the allotted teachers of this tour. We would like to take your permission to conduct this tour for the proposed curriculum.

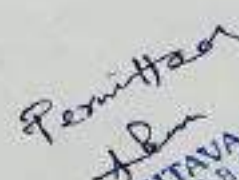
A list of students participating in this educational tour is attached along with their detailed information.

Thanking you.

Yours Sincerely,



Dr. Rajrupa Ghosh
HOD, P.G. Dept. of Zoology
B. B. College
Asansol-713303


DR. AMITAVA BASU
Principal, B. B. College
Ushagram, Asansol, P. Bardhaman
West Bengal - 713303

PRACTICAL SYLLABUS OF 6TH SEMESTER

PRACTICAL (CC-14)

1. Identification of *Pinctada*, *Palaeomon* sp, *Bombyx mori*, *Eisenia foetida*, *Labeo rohita*, *Catla catla* and fowl breeds
2. Identification of spawn, fry, fingerling of rohu and catla.
- ~~3.~~ Castes (through charts/specimens) study of bees.
4. **Mounting** of the sting apparatus and pollen basket of honey bee.
5. Worker honey bee with emphasis on leg modifications (through specimens/charts) and whole mount preparation of the 3 pairs of legs.
6. Visit to a pisciculture farm/ sericulture farm / apiary / poultry farm / cattle farm and submit a report.
7. **Group discussion or Seminar presentation** on following topic :

Pool of Topics for Group discussion or Seminar presentation :

1. Deep litter Poultry farming	2. Apiculture & prospect in India	3. Pearl culture & prospect in India
4. Dairy management	5. Sericulture & prospect in India	6. Ornamental fishery in India
7. Composite Fish culture	8. Lac culture & prospect in India	9. Prawn culture & prospect in India
10. Poultry Diseases	11. Cattle diseases and their management	12. Vermicompost & organic farming

**EXAMPLE OF STUDENT'S
REPORT**

REPORT ON FIELD VISIT

KAZI NAZRUL UNIVERSITY

DEPARTMENT OF ZOOLOGY

SEMESTER : 6TH

PREFACE

Francis Bacon has rightly said, "Travel in the younger sort, is a part of education, in older a part of experience. To know the unknown and to see the unseen in natural wonders, thirst of man as we read of 'Sindbad' in the Arabian Night Entertainment."

An educational tour or field visit (i.e., physical inspection of their life process in their natural habitat or their natural resources in museum or research centre or farm) is now under academic counital of the new syllabus framed by Post-graduate department of Zoology of Kazi Nazrul University, since 2020-21 session, where the undergraduate honours students of Zoology are advised to submit a field report on the subject in the syllabus during semester VIth practical examination.

It is further mentioned that field report incorporate the information about different centres of an original inspection obtained by the students.

ACKNOWLEDGEMENT

I feel great pleasure to extend my sincerest thanks to our principal Dr. Amitava Baru and the head of the department Dr. Rajkrupa Ghosh for bringing forth the chance to attend this field visit.

I also pay my hearty thanks to our professors of our department to kindly arrange and providing with every facilities during the journey and observation of sericultural flora and fauna.

Last but not least I must acknowledge my fellow classmates for their kind cooperation throughout the journey and visit.

Regn. No: KNU20102004403

Roll No:

College: Banarailal Bhalotia College, Ushajoram, Asansol.

Fig:—Our team at Bishnupur Sericulture Complex



TEAM

Our excursion was for Bishnupur Sericulture Complex. We, the students of Semester VI Zoology honours and our professors were involved in the visit. In our team there were 20 students (13 girls and 7 boys) and 5 professors.

Name of the team members are given below.

Students		Professors
Girls	Boys	
1. Abha Kumari	1. Aditya Dhali	1. Dr. Rajoupa Ghosh.
2. Abshar Kanwal	2. Arpan Adhikary	2. Dr. Sangita Lahiry
3. Al shifa Hasan	3. Divyanka Kumar Palma	3. Dr. Subhamey Panda
4. Aysha Roy Choudhury	4. Shreyas Bhattacharyay	4. Smt. Saswati Chakraborty
5. Jayarice Maji	5. Siddantha Maji	5. Sri Koushik Kumar Mandal
6. Neha Choudhary	6. Sohem Mukhopadhyay	
7. Nerab Firoz	7. Subhojeet Roy Choudhury.	
8. Purnalee Sardar		
9. Priyanshi Priyadarshini		
10. Pujja Mondal		
11. Ruchi Kumari		
12. Smriti Kundu		
13. Udifa Pandey		

EQUIPMENT

1. Field note book.
2. Pen
3. Magnifying glass.
4. Camera
5. Essential medicine for us.
6. Sanitizer for proper sanitization before entering different areas in the Sericulture Complex and touching cocoons.

AIM OF EDUCATIONAL TOUR

- I. Observation of behaviour of animal.
- II. Idea about natural habitat of animal.
- III. Sequential study of ecosystem.
- IV. To know the food habit of animal.
- V. To make an idea about endangered species if any.
- VI. To study behaviour, food habit of animal in places like zoo and farm.
- VII. To correlate bookish knowledge with practical experiences.
- VIII. To study about conservation method if any, and economic importance of animals in farm.

It also provides us the sense of promotion of equality and friendship. From this consideration, it is proposed to visit places such as Bishnupur Sericulture Complex and similar culturing centres in order to study the habits and habitats of silkworm under natural condition.



ONWARD JOURNEY

The place of our zoological farm visit was Bishnupur Sericulture Complex. The journey started from Banarailal Bhalotia College at around 8:30 am. We went there by bus. Our breakfast was provided to us by the professors on the bus at about 9:30-10 am. We reached Bishnupur around 11 am. Even though we were full of excitement and joy, we maintained our behaviour and manners.

From the Sericulture Complex we went on to visit the Reeling, Training cum-Servicing Centre situated nearby. There we saw how silk is removed from the cocoon and woven into threads.

After visiting both of those places we took our lunch and started our return journey at 4 pm. We reached Asansol around 6:30 pm.

BISHNUPUR

Bishnupur is a town and a municipality of Bankura district in the state of West Bengal, India. It is famous for its terracotta temples built by Malla rulers, historic Radha Krishna temples built during 1600-1800CE and the Baluchari saris.

Bishnupur is located at $23^{\circ}05'N$ $87^{\circ}19'E$. It has an average elevation of 59 metres (194 feet). This area has fertile, low-lying alluvial plains, making it suitable for the growth and production of trees like Anjan and Mulberry. These plants act as host to silk worms and are a very important part of Sericulture. This explains the number of sericulture farms in and around Bishnupur.

This part of the district witnesses dry hot summers with moderate monsoons (only 4mm rain) and cool winters. The day of our visit on 6/4/23 was characterized by scorching heat as well.



Fig:- Bishnupur Sericulture Complex office



Fig:- Mulberry gardens at the complex

VISITING CENTRES

Our visiting centres include two places.

1. Bishnupur Sericulture Complex.
2. Reeling Training cum Sericizing Centre.

At Bishnupur Sericulture Complex we witnessed the huge mulberry gardens, different appliances used in sericulture along with gaining knowledge on the culture process, shared with us by an kind officer. We also saw different types of silkworm cocoons there.

At the Reeling Training cum Sericizing Centre we were given information about various types of silk, saw different reeling machines. They also showed us how silk is removed from a cocoon & reeled into silk thread.



Fig:- Different types of cocoons of silkworm.



Fig:- Raw silk threads of various types of silk.



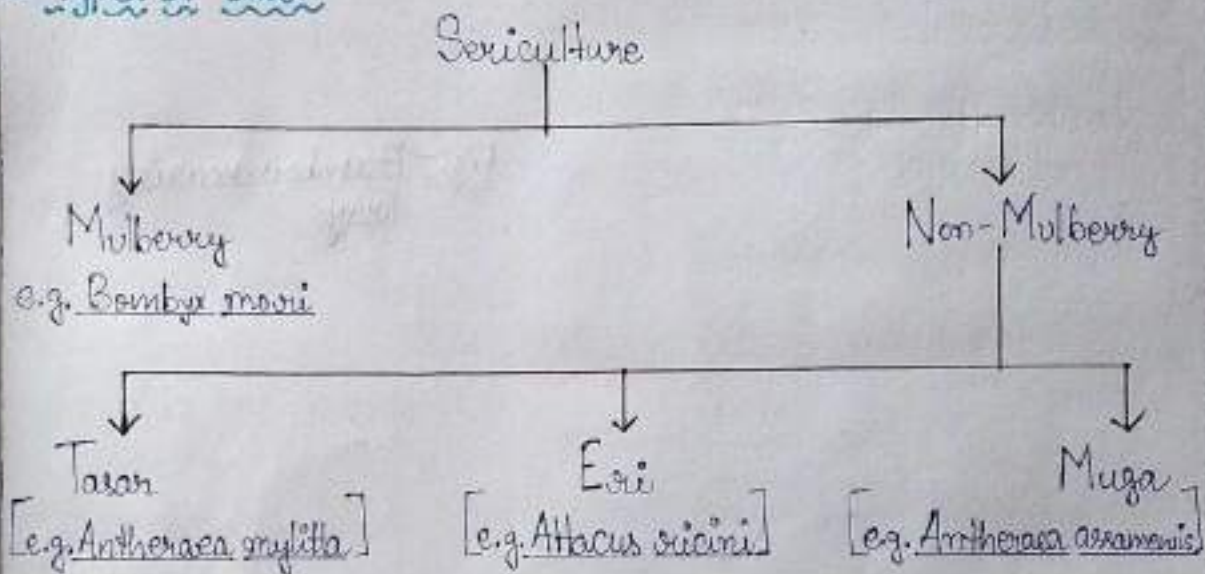
Fig:- Life cycle of silkworm

SERICULTURE

◎ Definition :-

A process in which the silkworm is reared and unrefined silk thread are extracted from the cocoons for commercial purpose is known as 'Sericulture'.

◎ Types of Silk :-



◎ Life cycle of Silkworm :-

Silkworm being a holometabolous insect, undergoes complete metamorphosis with four stages in its life cycle, i.e., egg, larva, pupa and adult. Sexual dimorphism is present in adult, pupal and larval stages of life cycle. The duration of each stage varies according to inherited characters of the race and also with the available environmental conditions, quality of the food provided etc.

Following are the four stages in the life cycle of a silkworm,



Fig: - Newly hatched larvae of silk worm



Fig: - Bamboo weaving trays



Fig: - Chandraki - a type of mountage where silk-worms spin their cocoon

1. Egg:-

Following emergence from the cocoon, the female moth releases chemicals called pheromones which attracts mating partners. After mating, the female moth lays eggs, which marks the beginning of the lifecycle. The eggs of silkworms are very small and can be barely seen with naked eyes. At once 350-400 eggs are laid by a female moth. The clustered eggs always remain covered with gelatinous secretion of the female moth. The colour of eggs depends on moth race along with its type i.e., whether it is diapausing or non-diapausing egg.

2. Larva:-

After the eggs are hatched, they form larva. The larva stage lasts from 24-30 days and it is hairy. Larva depends on Mulberry leaves for food and nutrition. The maximum growth of the larva takes place in this stage. (1st instar to 5th instar larva)

↳ Cocoon - After 30 days the cocoon stage starts. During this stage, the silkworm weaves a protective covering around itself. This protective layer is called a cocoon. It is made up of a thin yarn like structure called silk. From one cocoon a cotton ball size silk can be obtained.

3. Pupa:-

The motionless stage of the silkworm is called the pupa. From the pupa silk is loosened from the cocoon. The cocoon is boiled in water, killing the pupa and leaving the silk behind.

4. Adult:-

This is the last stage of the life cycle of the silkworm. The transformation from pupa to silkworm takes place within 10-14 days.



Fig:- Cocoons of
Mulberry silk-
worm

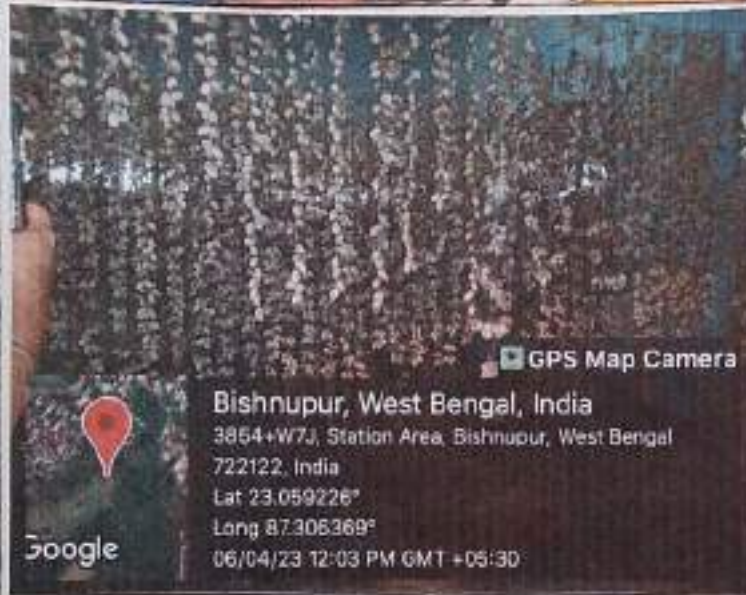


Fig:- Cocoons of
Tasar silk-
worm.



Fig:- Stifling of pupa

① Steps of Sericulture:-

1. Rearing of Larva:-

Utmost cleanliness and hygiene should be maintained while handling the larvae as they are extremely vulnerable to infection. The incubator tray containing just hatched out larvae is taken and covered with perforated paper. Tender and finely cut pieces of mulberry leaves are placed over the paper. The young larvae wiggle out through the pores on the paper and begin feeding on the leaves. Rearing is done in a special room or cabin and the temperature is maintained at 25°C . The mulberry leaves provided to first and second instar larva should be young and well chopped. Later larva can eat chopped hard leaves also. Humidity in the rearing room should be 60-70%. The larvae are transferred to large wire meshes covered with paper. Along with their increase in size, the number of larvae in each tray is reduced to prevent overcrowding. They feed voraciously and in 4-5 days their size double. The feeding phase (larval phase) last for about 40 days during which it passes through 4 periods of sleep alternating with 4 moulting stage. During each moulting, the old skin of larva is shed and a new one forms from beneath.

2. Stifling of Pupa:-

The process of killing the pupa is called stifling. The cocoons are subjected by using steam. They are collected over porous trays. Then they are placed over cauldron containing boiling water. The steam will percolate to the pores of the tray and kill the pupa inside the cocoon. Then the cocoons are stored in dry places.



Fig:- Demonstration of reeling.



Fig:- Reeling machine at Reeling Training cum Sewing Centre

3. Reeling of Cocoon:

The process of rearing or reeling the threads from cocoons is called reeling of cocoon. Reeling brings together 5-20 filaments of silk into 1 continuous thread which forms the commercial silk. Preserved cocoons are collected in large numbers and boiled in a large metal container for 10-15 minutes. This treatment will soften the cocoon and easy to unwind the cocoons.

⊙ Precaution:

- I. Only uncut and completely formed cocoon shall be used for reeling silk.
- II. The feed leaves should always be maintained in moist condition.
- III. Overcrowding of leaves must be prevented.
- IV. During diapause and moulting the larvae should not be disturbed otherwise they may lead to death of cocoons.
- V. The process of cleanliness is very important.

CONCLUSION

Silk is regarded as queen of fibres. Through centuries due to its ever lasting brightness, delicately woven structure and has a sign of aristocracy. We are thankful to the members of Bishrupur sericulture complex, Reeling Training cum Servicing Centre and our zoology department who gave us knowledge about such a beneficial creature created by nature.

It was really exciting to view the importance of applied zoology, which is pillars in our nation.

Every student of zoology should join such educational tour which will give them much information and help to cope up with the theory.

Ryhat
17/5/23

*Relevant Document for
Students Undertaking
Fieldwork in the Year 2023
(UG Sem IV Hons, PG Dept. Of
Zoology)*

SEMESTER-IV

Course Name		BEHAVIOUR AND CHRONOBIOLOGY	
Course Code		BSCHZOO401	
Course Type		Core	
Course Details	CC-8	CA (Continuous Assessment)	Theory : 10 marks Practical : 30 marks
		ESE (End Semester Examination)	Theory : 40 marks Practical : 20 marks
Credits		Theory 6 + Practical 2 = Total 6 credits	
About the course : The course aims to explain the natural behaviour patterns, how the behaviour varies among individuals and species (wild, domestic, and captive), how current and past environments and ecology influence not only behaviour, but also the underlying gene environment interactions that shape it.			
Learning outcomes : After successfully completing this course, the students will be able to: <ul style="list-style-type: none"> ➤ Learn a wide range of theoretical and practical techniques used to study animal behaviour. ➤ Develop skills, concepts and experience to understand all aspects of animal behaviour. ➤ Objectively understand and evaluate information about animal behaviour and ecology encountered in our daily lives. ➤ Understand and be able to objectively evaluate the role of behaviour in the protection and conservation of animals in the wild. ➤ Consider and evaluate behaviour of all animals, including humans, in the complex ecological world, including the urban environment. 			

THEORY (CC-8)**UNIT I: Introduction and patterns of Behaviour****(12 Lectures)**

1. Animal behaviour. Scope and importance of study.
2. Proximate and ultimate causes of behavior and the evolutionary approach to studying behaviour.
3. Methods and recording of a behavior
4. Types of stimuli invoking response: internal and external cues.
5. Patterns of behaviour: Stereotype (Spatial orientation, Reflexes, Instinct); Learning (Associative, Non-associative, Latent, Insight, Imprinting); Innate/ Instinct behaviour. vs. Learnt Behaviour.
6. Kinds of behaviour: Foraging behaviour, Territorial behaviour.
7. Allokaminetic and maladaptive (abnormal) behaviour.

UNIT II: Innate behaviour; Evolution of reproductive behavior**(13 Lectures)**

1. Innate behaviour: Communication (primates, bees and ants).Ritualization. Behaviour of solving ecological obstacles through Decision making
2. Motor Output: leech swimming/crawling, escape behavior, cricket vocalizations.
3. Sensorimotor integration; electric fish, bird song instinct and motivation, territorial behaviour, schooling behaviour.
4. Displacement activities, Habitat selection, food selection and foraging behaviour in African ungulates.
5. Mimicry and colouration.
6. Migratory behaviour in birds and fishes.

Unit III: Reproductive behaviour and socio-biology (14 Lectures)

1. Reproductive behaviour: Mate selection and courtship behaviour. Parental care (Fish, Amphibia, Bird), defensive behaviour. Evolution of reproductive behavior, mating systems and parental care. Asymmetry in sex, sexual dimorphism.
2. Sociobiology: Social and cultural transmission of Behaviour; Aggregation, Group selection; Social organization (e.g., Honey bee, Naked Mole Rat and Monkey). Elements of Socio-biology: Selfishness, cooperation, altruism, kinship and inclusive fitness.

UNIT IV: Genetic, Neural, and Hormonal regulation of behavior (13 Lectures)

1. Genetic basis of behaviour.
2. Neural Regulation of behaviour: kinesis, taxis, simple reflexes.
3. Sensory processing: toad prey capture, sound localization (owls), echolocation (bats).
4. Hormonal control in Biological clocks: Advantages of biological rhythms. Circadian and circannual rhythms. Photoperiodism, tidal, solar and lunar rhythms, Jet-lag, entrainments. Biological oscillation: the concept of Average, amplitude, phase and period. Role of melatonin.
5. Applications of Chronobiology : Chronopharmacology, Chronomedicine, Chronotherapy.

PRACTICAL (CC-8)

1. **Study of Orientation** of an Insect to light.
2. To study the behavioural responses of wood lice to dry and humid conditions.
3. To study **geotaxis behaviour** in earthworm.
4. To study the **phototaxis behaviour** in insect larvae.
5. **Constructing an ethogram** (Documentation and drawing by studying the following Canine's behaviour -movement, feeding, caring of child, foraging, vigilance, vocalization, afraid, anxious/nervous, mating, aggressive, alert, playful, submissive).
6. **Study of Chemical communication** in ants (Ancestral, perception, communication, etc).
7. **Selective predation** of coloured prey items (Demonstration through video).
OR,
Predatory behaviour of a carnivorous animal (Demonstration through video).
8. **Study of Nests and nesting habits of the birds** [Tailor bird (cup nest), Weaver bird (hanging/Pendant nest), Bustard/ostrich (Scape nest), Kingfisher (Barrow nest), Bower bird (round nest), Parrot/owl (cavity nest), crow/osprey (flat/platform nest)] and social insects [Honey bee, Wasp, Termite].
9. **Study of circadian functions in humans** (daily eating, sleep and temperature patterns).
10. **Study of courtship behaviour** in birds and insects from short videos/films.
11. **Field Visit** to Forest/ Wild life Sanctuary/Biodiversity Park/Zoological Park to study behavioural activities of animals and prepare a short report.
12. **Group discussion or Seminar presentation** on topics (Given Below).

1.3.3 Number of students undertaking project work/field work/internship

Programme Name	Programme Code	List of students undertaking field work	Link to the relevant document
Zoology	NA	DEBRAJ MONDAL	
		VIJAY KUMAR	
		SOUMEN DAS	
		ANJISNU MUKHERJEE	
		MONALISA DAS	
		TANIA BHATTACHARJEE	
		KAZI NASER REHMAN	
		SOURAKOR BISWAS	
		RIMA MONDAL	
		SANA PARWEEN	
		RUBAB FATIMA	
		MANAV	
		BUSHRA REHMAN	
		AMRITA PRASAD	
		RAJASHREE MUKHERJEE	
		TANIMA GOSWAMI	
		MOUMA ADAK	
		SUMITA GORAI	
		MADHURIMA MUKHERJEE	
		NIBEDITA BOURI	
DEBJANI SAHA			
HEENA KHATUN			
SUPRIYA KARMAKAR			

SEMESTER IV EXCURSION DETAILS

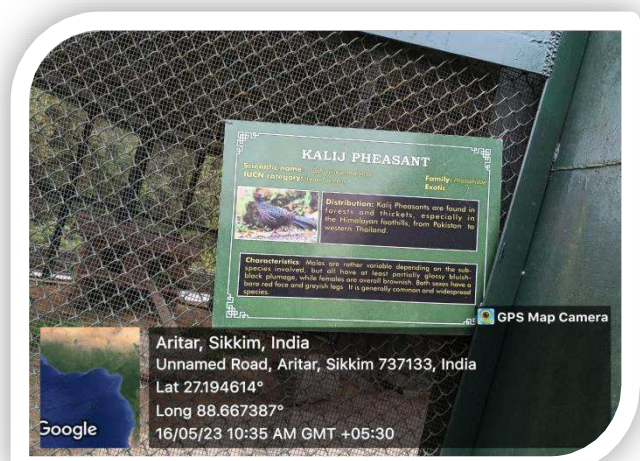
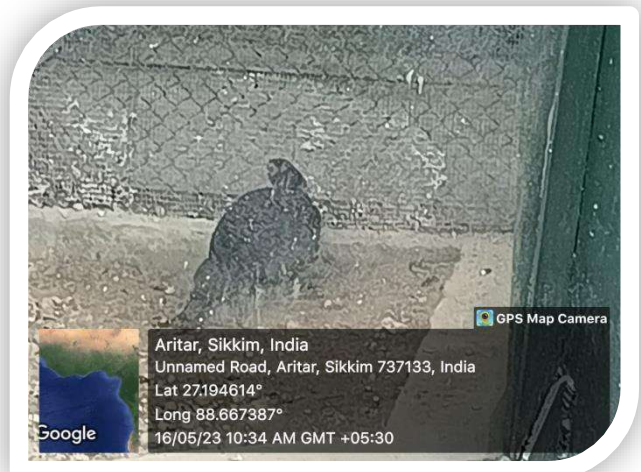
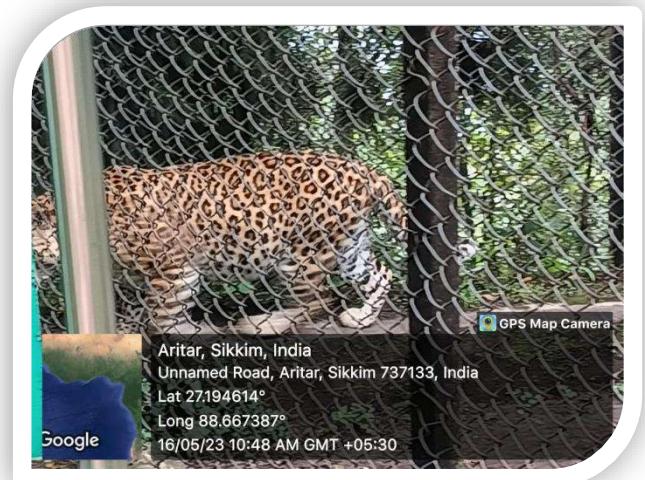
DATE :- 11/05/2023 TO 16/05/2023

PLACE :- HIMALAYAN ZOOLOGICAL PARK, GANGTOK, SIKKIM

TEACHER NAME :- PANKAJ DUTTA

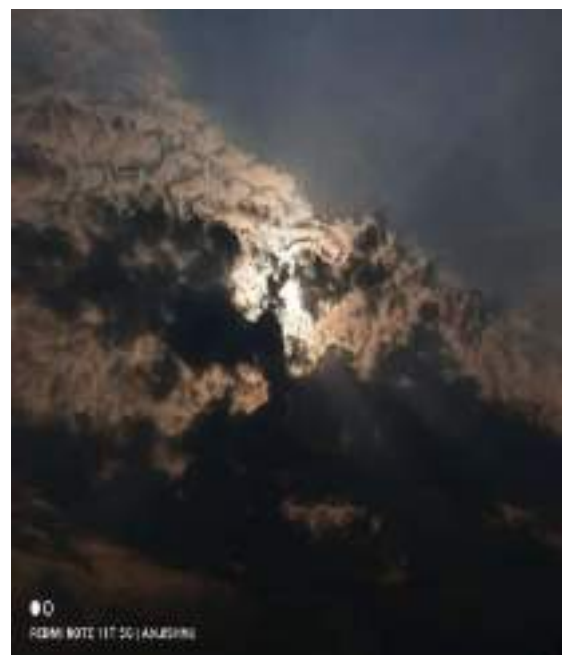
STUDENTS NAME :- SEE THE ATTACHMENT

PHOTOS





NATURAL BEAUTY OF EAST SIKKIM



HIMALAYAN ZOOLOGICAL PARK



FIELD REPORT SCAN COPY : SEE THE ATTACHMENT

Pankaj Dutta

SIGNATURE OF THE TEACHER :

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE

ASANSOL

SUBMITTED BY :-

NAME :- DEBRAJ MONDAL

REGISTRATION NO. :- KNU102211220046

DEPARTMENT OF ZOOLOGY

(4TH SEMESTER)

SESSION :- 2021-22

CONTENTS

- **Preface**

- **Acknowledgement**

- **Team Members**

- **Equipment**

- **Aim of the educational tour**

- **Onward journey**

- **Route of journey**

- **Return journey**

- **My impact**

- **Conclusion**

PREFACE

Francis Bacon was rightly said “Travel” in younger sort, is the part of education, in the elder, a part of experience. To know the unknown & to see the unseen in the natural wonder thrust of man, as we read of ‘Sindbad’ in the Arabian right entertainment.

An educational tour or field report work (i.e. physical inspection on the life process in their natural habitat or their natural sources in or research center.) is now under academic carnival of the new syllabus formed by museum post-graduate department of Zoology, Kazi Nazrul University.

It is further mentioned that field report incorporates the information about different center of an original inspection obtained by the students.



ACKNOWLEDGEMENT

Under the prescribed syllabus knu, the student of bachelor of zoology (2nd year) were required to have visit field program to explore their knowledge about nature and wildlife. It's our pleasure to visit east Sikkim (it's surrounding zoo, eco parks, migratory birds around).

I would like to express our sincere thanks to the department of zoology, bb college, asansol to provide us with such a opportunity.

I would like to thanks Mr. Pankaj Dutta (professor of zoology) for his help, support, interest and hints during the entire field visit.

I have furthermore to thank Mr. Amitava Basu for leading us permission for the trip and my parents for encouragement and financial support.



TEAM MEMBERS

Our educational tour was for Padamchen forest, Sikkim Himalayan zoological park. We the students of zoology department of kazi nazrul university, & our teachers were involved in university, semester the excursion. In our excursion, the members were –

- 1.21 students of day shift ,
- 2.1 teacher



EQUIPMENTS

*i. **FOR OUTDOOR WORK***

1. Field note book
2. Camera
3. Binocular

*ii. **SAFETY EQUIPMENT***

1. Essential medicine
2. Bandages
3. Torch
4. Sunglass



AIM OF EDUCATIONAL TOUR

1. Observation of behavior of animal,
2. Idea about natural habitat of animal,
3. Sequential study of ecosystem,
4. To know the food habitat of animals,
5. To make an idea of endangered species if any,
6. To correlate bookish knowledge with practical experience,
7. To study about the conservation method if any and economic importance of animals, I conservation center.
8. It also provides as the sense of proportion of equally & friendships.

ONWARD JOURNEY

The place for our zoological excursion were Padmachen forest and Sikkim Himalayan Zoological park .

With taking God's blessings, we started our journey on 11th May from Asansol station at 12:30 pm by Mumbai mail & reached Howrah station at 5:30pm onwards. Then we wait there for a while & became excited for our next journey from Howrah to New Jalpaiguri junction by Kamrup express. The train arrive in the Howrah station at sharp 6:30 pm. Next morning (12th May) at 7:15am, we reached our goal New Jalpaiguri Junction. Then we went to Rishikhola Monarch homestay. On the way, we visited some on way view point and at evening we enjoyed rishi river bank with great mood, which was refreshed our inner soul.

Next morning, 13th may we were enjoying rishi river side with me and my friends. Then we were gone and visit Shri Viswa Vinayaka Mandir at Rehenock, Lampokhrari lake (Aritar lake) and Mulkharka lake, then we were reached Hotel Green Queen at aritar.

Next morning, 14th may we were gone to nimachen and reached Namgyal homestay. On the way we were visited Rongli Market and Q-khola falls.

On 15th May in early morning, we started our exploration towards silkroute. First, we going to zuluk sightseeing, Wildlife Checkpost of Nimachen, zigzag road, Birds eye view point zuluk, eco nature park in padamchen . Then we proceeded towards the Ganktok.

On 16th May we were going to the ganktok local sightseeing like Thambi view point, Ganeshtak temple and last one is Sikkim Himalayan Zoological park.

ROUTE OF THE JOURNEY

11th May & 12th May

Asansol station >> Howrah station >> New Jalpaiguri station

12th May

Teesta River >> Seevok view point >> Rishikhola

13th May

Rishikhola >> Lampokhari Lake >> Mulkharka Lake >> Aritar

14th May

Aritar >> Rongali market >> Q – khola >> Nimachen

15th May

Nimachen >> Zuluk >> eco nature park >> Zigzag Road >> Birds Eye view point >>

Ganktok

16th May

Thambi view point >> Ganestak temple >> Sikkim Himalayan Zoo

DAY- 1

TRAIN JOURNEY

we started our journey from Asansol station at 1:30pm on 11th May, 2023. We reached Howrah station at 5.15pm by Mumbai mail. Then, we reached New jalpaiguri station from Howrah station by Kumrup express in the next morning (12th May) at 7.15am.



DAY-2

TEESTA RIVER

Teesta is a 414km long river with total drainage area of 12,540 sq.km, flowing through India and Bangladesh. Teesta basin receives major part of its rainfall during the South-West monsoon period. That is the presence of very fine grained rock particles that are the size of slit generated by mechanical grinding of the bedrock. Another inference points to the Teesta's rich inclusion of two minerals: limestone and dolomite. Both tend to give water a green blue tinge.

RISHIKHOLA MONARCH HOMESTAY

We stayed in Rishikhola Monarch homestay for 1 night. It situated in besides Rishi river in rishikhola. The view from our homestay is very beautiful. Basically the Rishi river is very beautiful.



DAY-3

SHRI VISHWA VINAYAK TEMPLE

Shri Viswa Vinayaka Mandir, also called Ganesh Mandir, is a Hindu temple of Ganesha. It is located in Rhenock, Pakyong district, Sikkim, India. Sri Viswa Vinayaka Mandir was inaugurated by Shri Dinesh Chandra, general secretary of Vishva Hindu Parishad accompanied by the former chief minister, Shri Pawan Chamling, at a beautiful landscape of Rundung Village in Rhenock on 3 October 2016.

LAMPOKHARI LAKE

It one of the oldest lakes in Sikkim, Lampokhari is a mesmerizing emerald boot-shaped lake. It is placed at an altitude of 4600 feet and is 1120 feet long and 240 feet wide. Also known as Aritar Lake, it is surrounded by rich green pine forests making it look even more stunning. The main highlight about this natural lake is its boating facility and a pathway that has been constructed around the lake for tourists to look at it from different angles. The pine forest around the lake adds more charm and captivates the visitors here. There is also a small shrine on the banks of the lake dedicated to Guru Padmasambhava.

MULKHARKA LAKE

This less explored lake in the border of Sikkim and West Bengal is the mirror of Kanchanjunga peak on a clear day. Natural beauty is matchless. Pollution free environment and fresh air make the place more enjoyable. A new motor road is built recently and a day centre is being constructed beside the lake. There is a beautiful big valley near the farthest point of the lake. Rolling hills and green forest are breathtakingly beautiful. Sunset is an added attraction of this place.



DAY 4

RONGALI BAZAR

Rongli or **Rangli** is a town in the Pakyong District of the Indian state of Sikkim. It lies on the banks of Rangpo River around 69 kilometres (43 mi) by road south of the state capital Gangtok. Rongli is also the headquarter of **Rongli Subdivision** of Pakyong District. Rongli is one of the oldest market of Sikkim that lies on the trade route between Kalimpong and Tibet.

Q-KHOLA FALLS

The Kali Khola Falls also named as ‘Kuikhola falls’ by the locals is situated on the Old Silk Route, on the way from Rorathang to Rongli, East Sikkim. This 100 m gushing waterfall is blessed with immense natural beauty, which makes it one of the most attractive and visited waterfalls in Sikkim. The mesmerizing view of its crystal clear water, crackling from the lush green hills and falling over the rugged pieces of mountains, allures the tourists on the way to halt and capture some incredible pictures with nature in their cameras. The Kali Khola Falls is popularly known as the Lonely Falls, being tucked amidst profound nature.

NIMACHEN

Nimachen is a small village on the Silk Route circuit just 13 kms away from Rongli and 14 kms before Zuluk , It is 7800 ft high .



DAY 5

BIRD EYE VIEW POINT ZULUK

Zuluk is one such place that you can visit and explore throughout the year. Summer and spring seasons are incredibly beautiful here with wildflowers and herbs sending their delicate fragrances down all the valley. The evergreen nature and vivid landscape makes Zuluk one of the best places to visit in Sikkim.

ZIGZAG ROAD OF EAST SIKKIM

This spiral road is located near Zuluk (or Dzuluk), a small village located in the historic Old Silk Route from Tibet to India, on the rugged terrain of the lower Himalayas in East Sikkim. This extreme winding paved road climbs up to the Thambi view point, at 3.413m (11,200 ft) above the sea level. This is the vantage point from where you can get an unhindered view of the Three Level Zigzag roads on the adjoining hills. A trip to the area requires special permits. This few kilometers drive takes the tourists through a winding road which provides excellent sunrise views. The three level winding road, on the adjoining hills with unique geometrical curves, make thrilling experiences for visitors.

ECO NATURE PARK

Eco nature park is one of the most popular eco park at padmachen.



DAY 5

GANKTOK LOCAL SIGHTSING

GANESHTAK TEMPLE

Ganesh Tok is a temple dedicated to Lord Ganesh at an uphill distance of 7 km from Gangtok. The temple was built in between 1952 and 1953, by Shri Appa B Pant, the former Political Officer of Sikkim. Here, apart from engaging in worship, one can have what is perhaps the best views of the city of Gangtok. The road to the temple is embellished with colourful prayer flags, and makes the journey much more pleasant.

HIMALAYAN ZOOLOGICAL PARK

Himalayan Zoological Park is **located in Bulbuley, about 3 km from Gangtok**. The spacious and picturesque zoo is spread over a very large hilly terrain. Animals inhabiting the zoo include Himalayan Blue Sheep, Red Pandas, Common Leopard, Leopard Cat, , Himalayan Palm Civets, Large Indian Civets, Gorals, Barking Deer, Yaks etc.



Himalayan Blue Sheep

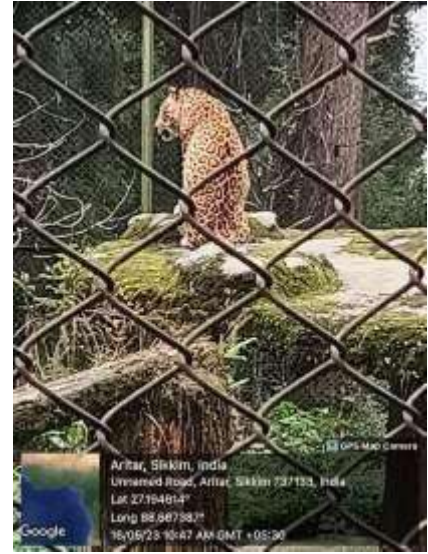
The **bharal** (*Pseudois nayaur*), also called the **blue sheep**, is a **caprine** native to the high **Himalayas**. It is the **only member** of the genus *Pseudois*.^[3] It occurs in **India**, **Bhutan**, **China** (in **Gansu**, **Ningxia**, **Sichuan**, **Tibet**, and **Inner Mongolia**), **Myanmar**, **Nepal**, and **Pakistan**.^[1] The **Helan Mountains** of Ningxia have the highest concentration of bharal in the world, with 15 bharals per km² and 30,000 in total.

Red Panda

The **red panda** (*Ailurus fulgens*), also known as the **lesser panda**, is a small **mammal** native to the **eastern Himalayas** and **southwestern China**. It has dense reddishbrown fur with a black belly and legs, white-lined ears, a mostly white muzzle and a ringed tail. Its head-to-body length is 51–63.5 cm (20.1–25.0 in) with a 28–48.5 cm (11.0–19.1 in) tail, and it weighs between 3.2 and 15 kg (7.1 and 33.1 lb). It is well adapted to climbing due to its flexible joints and curved semi-retractile claws.

Himalayan common leopard

The **Indian leopard** (*Panthera pardus fusca*) is a **leopard subspecies** widely distributed on the **Indian subcontinent**. The species *Panthera pardus* is listed as **Vulnerable** on the **IUCN Red List** because populations have declined following **habitat loss** and **fragmentation**, **poaching** for the **illegal trade** of skins and body parts, and persecution due to conflict situations.^[1] The Indian leopard is one of the **big cats** occurring on the Indian subcontinent, along with the **Asiatic lion**, **Bengal tiger**, **snow leopard** and **clouded leopard**.^{[2][3][4]} In 2014, a national census of leopards around tiger habitats was carried out in India except the northeast. 7,910 individuals were estimated in surveyed areas and a national total of 12,000–14,000 speculated.



Dark-breasted Rosefinch Bird

The **dark-breasted rosefinch** (*Procarduelis nipalensis*) is a [species](#) of [true finch](#) in the [monotypic genus](#) *Procarduelis*. It is found in [Bhutan](#), [China](#), [India](#), [Laos](#), [Myanmar](#), [Nepal](#), [Pakistan](#), [Thailand](#), and [Vietnam](#). Its natural [habitats](#) are [boreal forests](#) and [subtropical or tropical high-altitude shrubland](#).



Fine-tailed sunbird

The **fire-tailed sunbird** (*Aethopyga ignicauda*) is a [species](#) of [sunbird](#) in the [family Nectariniidae](#).

It is found in the northern parts of the [Indian subcontinent](#), primarily in the [Himalayas](#), and also in some adjoining regions in [Southeast Asia](#). The species occurs in [Bangladesh](#), [Bhutan](#), [India](#), [Myanmar](#), [Nepal](#), [Thailand](#) and [Tibet](#).



Red-tailed hawk

The **red-tailed hawk** (*Buteo jamaicensis*) is a [bird of prey](#) that breeds throughout most of North America, from the interior of [Alaska](#) and northern Canada to as far south as [Panama](#) and the [West Indies](#). It is one of the most common members within the genus of *Buteo* in North America or worldwide.



RETURN JOURNEY

As we all know that time & tide wait for none. So, during excursion when we were busy to accumulate the precious happy moments elongated the strand of knowledge & experience, time played the role of 'stop codon' & put a stop to our excursion daily 2022. So, after golden five days. We returned back to New Jalpaiguri station on 16th May at 6:30pm with refreshed hearts. Then we got on the Rachi kamakhya weekly express at the 9:30pm & came back to ASANSOL station in the next morning 10:30am on 17th May.

So, like this year also our excursion was embedded with a lot of sweet & salty experience.



MY IMPACT

From the very first day of our trip, I'm overwhelmed with joy & wonder. During this trip I got opportunity to converse with the officers of the National Park. For the first time I observed their style of working with various animals which is practical part of our notebook education.

When I entered to valley it seemed to me paradise for a student its zoologist interest.

The beauty of streams & the white-glassy blanket of Kanchenjunga did not allow my thirsty heart to return back to pavilion. But I had to return back to continue the normal course of my life. So, at back to continue normal course of my life. So, at last, I can say that memories of these trip have been sewed with golden threads in my heart permanently.



Conclusion

It was truly an educational tour & this excursion helped us to compare a lot between our theoretical knowledge with the visual ones. I'm really grateful & thankful to our teachers for conducting this beautiful excursion as a successful educational tour.

Every student of zoology subject should join such types of educational tour, which will give them & help them to copy up with the theoretical basis to practical ones.





Name: ABHIK ROY

Enrolment Number: 102221210382

Subject: *Environmental Studies*

Subject Code: *AECC*

Project Topic: The problem of air pollution in India

Certificate

This is to certify that **ABHIK ROY**, a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled: **The problem of air pollution in India** under the guidance of **Mr. Sayantan Dutta, Dept. of Environmental Science, BB College, Asansol, WB.**

The college project was undertaken as a part of the **BA program curriculum** and was completed with diligence and dedication. The project involved [Briefly describe the main objectives and scope of the project].

Throughout the duration of the project, **ABHIK ROY** demonstrated a profound understanding of the subject matter and exhibited exceptional problem-solving skills. The final deliverables presented by **ABHIK ROY** showcased ingenuity and creativity in approaching the project's challenges.

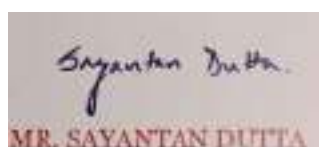
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to **ABHIK ROY** for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

We wish **ABHIK ROY** the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.



MR. SAYANTAN DUTTA



The problem of air pollution in India

Air pollution is a significant and pervasive issue in India, affecting the health, environment, and economy of the country. Several factors contribute to India's air pollution problem:

- **Industrial Emissions:** India's rapid industrialization has led to increased emissions of pollutants such as particulate matter (PM), sulfur dioxide (SO₂), nitrogen oxides (NO_x), and volatile organic compounds (VOCs) from factories and power plants.
- **Vehicle Emissions:** The rapid growth in the number of vehicles, especially in urban areas, has led to high levels of vehicular emissions. Old and poorly maintained vehicles, as well as the lack of proper emission control measures, contribute significantly to air pollution.
- **Biomass Burning:** The practice of burning biomass for cooking and heating, particularly in rural areas, releases large amounts of pollutants such as carbon monoxide (CO), PM, and other harmful gases into the air.
- **Construction Activities:** Construction activities generate dust and emissions from machinery, contributing to localized air pollution, especially in urban areas experiencing rapid infrastructure development.
- **Crop Burning:** Crop residue burning, primarily in the states surrounding Delhi and other major cities, worsens air quality during the winter months, leading to severe episodes of smog and haze.
- **Poor Waste Management:** Improper disposal of solid waste, including open burning of garbage, adds to air pollution by releasing harmful pollutants into the atmosphere.

The impacts of air pollution in India are far-reaching:

- **Health Effects:** Air pollution is a leading cause of respiratory diseases, cardiovascular diseases, lung cancer, and other health problems. It affects people of all ages but disproportionately harms children, the elderly, and those with pre-existing health conditions.
- **Environmental Degradation:** Air pollution contributes to environmental degradation by causing acid rain, damaging ecosystems, and harming biodiversity.
- **Economic Costs:** The economic costs of air pollution in terms of healthcare expenditures, lost productivity, and damage to infrastructure are substantial.

Efforts to address air pollution in India include:

- **Policy Measures:** The Indian government has implemented various policy measures to curb air pollution, including the National Clean Air Programme (NCAP), vehicle emission standards (such as Bharat Stage VI), and regulations on industrial emissions.
- **Promotion of Clean Energy:** Encouraging the adoption of clean energy sources such as solar and wind power can help reduce reliance on fossil fuels and mitigate air pollution.
- **Public Awareness and Education:** Increasing public awareness about the health impacts of air pollution and promoting behavior changes such as reducing

vehicle usage, adopting cleaner cooking technologies, and practicing sustainable waste management can contribute to improving air quality.

- **International Cooperation:** Collaborating with international organizations and other countries to share knowledge, technology, and best practices in combating air pollution can also be beneficial.

Despite these efforts, addressing India's air pollution problem requires sustained action, investment, and cooperation across various sectors to protect public health and the environment.





Name: NEHA KUMARI PASWAN

Enrolment Number: 102221210294

Subject: *Environmental Studies*

Subject Code: *AECC*

**Project Topic: The impact water pollution on the
health of children**

Certificate

This is to certify that **NEHA KUMARI PASWAN**, a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled:

The impact water pollution on the health of children

under the guidance of **Mr. Sayantan Dutta, Dept. of Environmental Science, BB College, Asansol, WB.**

The college project was undertaken as a part of the **BA program curriculum** and was completed with diligence and dedication. The project involved [Briefly describe the main objectives and scope of the project].

Throughout the duration of the project, **NEHA KUMARI PASWAN** demonstrated a profound understanding of the subject matter and exhibited exceptional problem-solving skills. The final deliverables presented by **NEHA KUMARI PASWAN** showcased ingenuity and creativity in approaching the project's challenges.

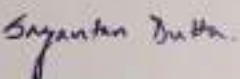
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to **NEHA KUMARI PASWAN** for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

We wish **NEHA KUMARI PASWAN** the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.


MR. SAYANTAN DUTTA



The impact water pollution on the health of children

Water pollution can have significant adverse effects on the health of children. Here are some ways in which water pollution can impact children's health:

- **Waterborne Diseases:** Polluted water can contain harmful microorganisms such as bacteria, viruses, and parasites. These pathogens can cause diseases such as diarrhea, cholera, typhoid fever, and dysentery, which can be particularly severe in children due to their weaker immune systems.
- **Lead Poisoning:** Water contaminated with lead, often due to old plumbing systems or industrial pollution, can lead to lead poisoning in children. Lead exposure can cause developmental delays, learning disabilities, and behavioral problems.
- **Chemical Contaminants:** Industrial and agricultural pollutants can contaminate water sources with chemicals such as arsenic, mercury, pesticides, and industrial solvents. Prolonged exposure to these chemicals through contaminated water can lead to various health problems, including neurological damage, cancer, and hormonal disruptions, which can affect children's growth and development.
- **Respiratory Issues:** Water pollution can also lead to air pollution as contaminants evaporate into the air or interact with other pollutants. Poor air quality can exacerbate respiratory conditions such as asthma and bronchitis, which are common among children.
- **Impaired Cognitive Development:** Some pollutants found in water sources, such as heavy metals like lead and mercury, have been linked to impaired cognitive development in children. Exposure to these substances during critical periods of brain development can result in long-term learning disabilities and reduced IQ levels.
- **Malnutrition:** In regions where water sources are contaminated, children may avoid drinking water, leading to dehydration and malnutrition. Lack of access to safe water can also affect food safety and hygiene practices, further increasing the risk of malnutrition and related health problems.
- **Increased Susceptibility to Other Diseases:** Water pollution can weaken children's immune systems, making them more susceptible to other illnesses such as respiratory infections, skin diseases, and parasitic infections.
- **Long-term Health Effects:** The effects of water pollution on children's health can extend into adulthood, leading to chronic health conditions and reduced life expectancy.

Overall, addressing water pollution is crucial for safeguarding the health and well-being of children, as they are particularly vulnerable to its adverse effects. Implementing measures to ensure access to clean and safe water sources is essential for promoting healthy child development and preventing waterborne diseases and other related health problems.

The key Health Problems Caused by Water Pollution



Diarrhea



Vomiting



Typhoid



Diphtheria



Hepatitis



Kidney Damage



Nerve Disorders



Skin Lesions



Name: DIPA GORAI

Enrolment Number: 102221210191

Subject: *Environmental Studies*

Subject Code: *AECC*

Project Topic: The global problem of urban noise pollution

Certificate

This is to certify that **DIPA GORAI**, a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled:

The global problem of urban noise pollution

under the guidance of **Mr. Sayantan Dutta, Dept. of Environmental Science, BB College, Asansol, WB.**

The college project was undertaken as a part of the **BA program curriculum** and was completed with diligence and dedication. The project involved [Briefly describe the main objectives and scope of the project.

Throughout the duration of the project, **DIPA GORAI** demonstrated a profound understanding of the subject matter and exhibited exceptional problem-solving skills. The final deliverables presented by **DIPA GORAI** showcased ingenuity and creativity in approaching the project's challenges.

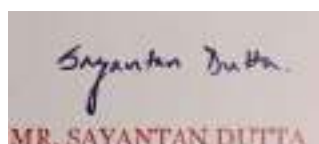
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to **DIPA GORAI** for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

We wish **ARITRA ROUTH** the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.



MR. SAYANTAN DUTTA



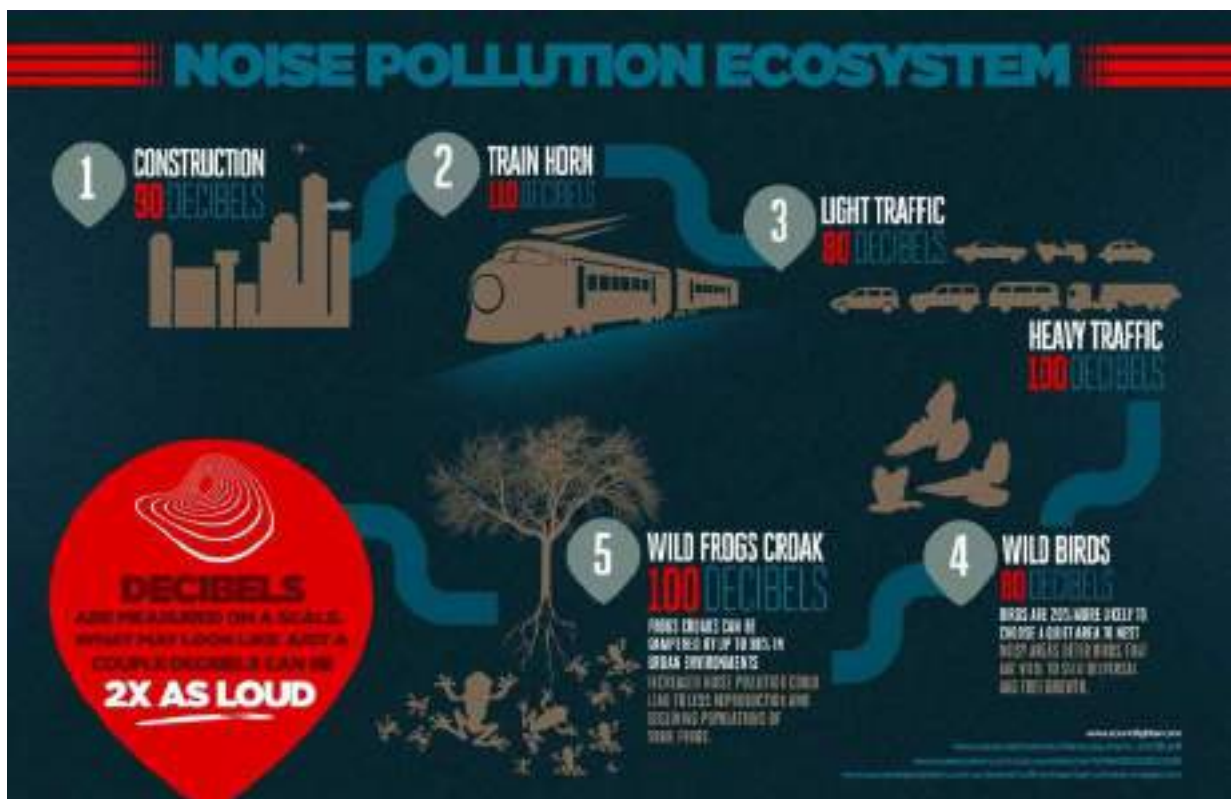
The global problem of urban noise pollution

Urban noise pollution is a pervasive and significant issue that affects millions of people worldwide. It arises from various sources such as traffic, construction, industrial activities, public events, and even everyday activities like loud music or conversations. Here are some key aspects of the global problem of urban noise pollution:

- **Health Impacts:** Excessive noise can have detrimental effects on human health, including hearing impairment, sleep disturbances, stress, hypertension, and cardiovascular diseases. Prolonged exposure to high noise levels can lead to chronic health issues, significantly impacting the quality of life for those affected.
- **Quality of Life:** Urban noise pollution diminishes the quality of life for residents in affected areas. It disrupts peaceful living conditions, interferes with communication, concentration, and productivity, and reduces overall well-being.
- **Environmental Impact:** Noise pollution also affects wildlife, disrupting their habitats and communication patterns. It can lead to behavioral changes, migration away from noisy areas, and even physiological harm in some cases.
- **Economic Costs:** The economic costs of urban noise pollution are substantial, including healthcare expenses related to treating noise-induced health issues, reduced property values in noisy neighbourhoods, and decreased tourism appeal in affected areas.
- **Regulatory Measures:** Many governments have implemented regulations to address urban noise pollution, including setting noise limits for different areas and times of day, as well as implementing noise-reducing measures in urban planning and infrastructure projects.
- **Technological Solutions:** Advancements in technology have led to the development of noise-reducing materials, sound barriers, and quieter transportation and machinery. However, these solutions often come with economic and logistical challenges in implementation.

- **Public Awareness and Education:** Increasing public awareness about the health and environmental impacts of noise pollution is crucial. Education campaigns can encourage individuals to adopt quieter behaviors and support community efforts to reduce noise levels.
- **Urban Planning:** Integrating noise considerations into urban planning and design processes can help mitigate noise pollution. This includes strategically locating residential areas away from noisy industrial zones, incorporating green spaces and sound-absorbing materials into urban environments, and promoting the use of quieter transportation options.

Addressing urban noise pollution requires a multi-faceted approach involving collaboration between governments, urban planners, engineers, healthcare professionals, businesses, and community members. By implementing effective strategies and raising awareness, it's possible to mitigate the impacts of noise pollution and create healthier, more livable urban environments.





Name: SWAPAN GOPE

Subject: *Environmental Studies*

Subject Code: AECC

Project Topic: The impact of pesticides and synthetic fertilisers on human health

Certificate

This is to certify that **SWAPAN GOPE**, a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled:

The impact of pesticides and synthetic fertilisers on human health

under the guidance of **Mr. Sayantan Dutta, Dept. of Environmental Science, BB College, Asansol, WB.**

The college project was undertaken as a part of the **BA program curriculum** and was completed with diligence and dedication. The project involved [Briefly describe the main objectives and scope of the project].

Throughout the duration of the project, **SWAPAN GOPE** demonstrated a profound understanding of the subject matter and exhibited exceptional problem-solving skills. The final deliverables presented by **SWAPAN GOPE** showcased ingenuity and creativity in approaching the project's challenges.

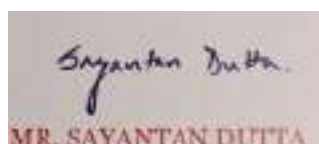
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to **SWAPAN GOPE** for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

We wish **SWAPAN GOPE** the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.



MR. SAYANTAN DUTTA

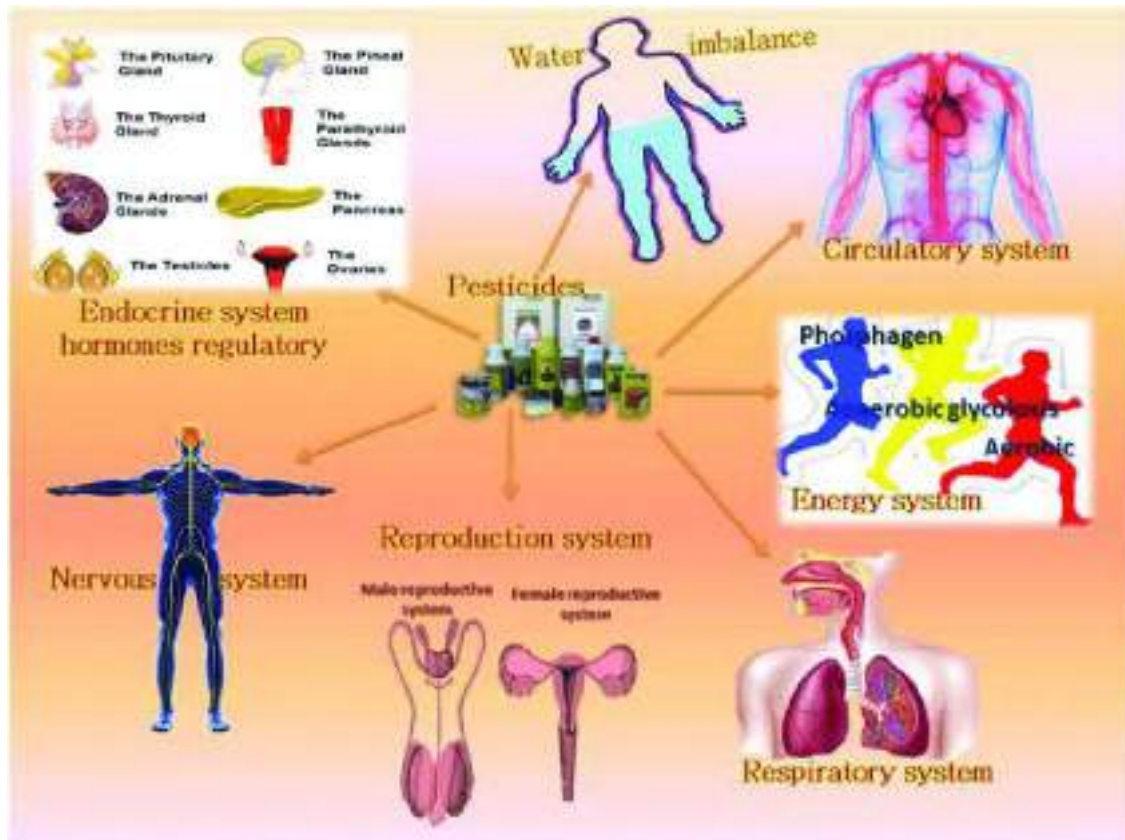


The impact of pesticides and synthetic fertilisers on human health

Pesticides and synthetic fertilizers have been widely used in agriculture for decades to enhance crop yields and control pests and weeds. However, their impact on human health is a matter of concern due to potential exposure through consumption of contaminated food, water, and air. Here are some of the key impacts:

- **Residue in Food:** Pesticide residues can remain on fruits, vegetables, grains, and other food items even after washing or cooking. Chronic exposure to these residues has been associated with various health issues including cancer, neurological disorders, hormone disruption, and reproductive problems.
- **Acute Poisoning:** Accidental or intentional exposure to high doses of pesticides can lead to acute poisoning, causing symptoms ranging from nausea, vomiting, and dizziness to more severe effects like seizures, respiratory distress, and even death.
- **Developmental and Reproductive Effects:** Some pesticides have been linked to developmental and reproductive problems, including birth defects, reduced fertility, and impaired fetal development. Exposure during critical periods of development can have long-lasting effects on health and well-being.
- **Endocrine Disruption:** Many pesticides have been found to disrupt the endocrine system by mimicking or blocking the action of hormones. This disruption can lead to a wide range of health problems, including altered reproductive function, immune suppression, and metabolic disorders.
- **Cancer Risk:** Several pesticides have been classified as carcinogens or potential carcinogens by regulatory agencies like the International Agency for Research on Cancer (IARC). Prolonged exposure to these chemicals, either through occupational exposure or environmental contamination, can increase the risk of various cancers, including leukemia, lymphoma, and cancers of the breast, prostate, and lung.
- **Environmental Impact:** While the focus here is on human health, it's worth mentioning that pesticides and synthetic fertilizers also have significant environmental impacts, including water and soil contamination, biodiversity loss, and disruption of ecosystems. These environmental changes can indirectly affect human health by altering food availability, water quality, and ecological balance.

In response to these concerns, there has been increasing interest in organic farming practices, which minimize the use of synthetic chemicals and promote more sustainable and environmentally friendly approaches to agriculture. Additionally, regulatory efforts aimed at restricting or banning the use of certain pesticides and fertilizers, as well as promoting safer alternatives, are essential for protecting human health and the environment.





Name: ABHIJIT CHOWDHURY

Enrolment Number: 102221230003

Subject: *Environmental Studies*

Subject Code: AECC

Project Topic: *The various strategies of soil conservation implemented in West Bengal, India*

Certificate

This is to certify that **ABHIJIT CHOWDHURY**, a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled:

The various strategies of soil conservation implemented in West Bengal, India
under the guidance of **Mr. Sayantan Dutta, Dept. of Environmental Science, BB College, Asansol, WB.**

The college project was undertaken as a part of the **BA program curriculum** and was completed with diligence and dedication. The project involved [Briefly describe the main objectives and scope of the project].

Throughout the duration of the project, **ABHIJIT CHOWDHURY** demonstrated a profound understanding of the subject matter and exhibited exceptional problem-solving skills. The final deliverables presented by **ABHIJIT CHOWDHURY** showcased ingenuity and creativity in approaching the project's challenges.

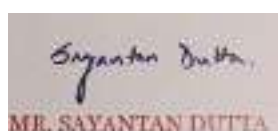
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to **ABHIJIT CHOWDHURY** for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

We wish **ABHIJIT CHOWDHURY** the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.



MR. SAYANTAN DUTTA



The various strategies of soil conservation implemented in
West Bengal, India

Soil conservation in West Bengal, India, is crucial due to its diverse agricultural landscape and the susceptibility of its soils to erosion and degradation. Various strategies have been implemented to mitigate soil erosion and preserve soil fertility. Some of these strategies include:

Terracing: Terracing involves creating steps or platforms on sloping land to reduce the speed of water runoff and prevent soil erosion. This method is commonly used in hilly areas of West Bengal, particularly in regions like Darjeeling and Kalimpong.

Contour Ploughing: Ploughing along the contour lines of the land helps to slow down water runoff and promotes the infiltration of water into the soil. This reduces soil erosion and helps to retain soil moisture.

Agroforestry: Planting trees and shrubs along with crops helps in reducing soil erosion by holding the soil in place with their roots. Agroforestry also improves soil structure, fertility, and overall ecosystem health.

Cover Cropping: Growing cover crops such as legumes or grasses during the off-season helps to protect the soil from erosion, improves soil fertility, and reduces weed growth. Cover crops also add organic matter to the soil when they are incorporated.

Mulching: Applying mulch, such as crop residues, straw, or plastic, on the soil surface helps to reduce soil erosion by preventing raindrop impact and surface runoff. Mulching also helps to conserve soil moisture and suppress weed growth.

Bioengineering techniques: Using natural materials such as live stakes, brush layers, and gabions to stabilize slopes and riverbanks can help prevent soil erosion and land degradation in vulnerable areas.

Water management practices: Constructing check dams, contour bunds, and farm ponds helps to retain water on agricultural lands, reduces soil erosion caused by water runoff, and enhances soil moisture levels.

Soil conservation awareness and education: Promoting awareness among farmers about the importance of soil conservation practices and providing training on sustainable agriculture techniques can encourage the adoption of soil conservation measures.

Government schemes and programs: The Government of West Bengal implements various schemes and programs aimed at promoting soil conservation and sustainable agriculture practices. These may include subsidies for adopting conservation practices, technical assistance, and infrastructure development for water management.

By implementing these strategies and adopting sustainable agricultural practices, West Bengal aims to conserve its soil resources, improve agricultural productivity, and ensure the long-term sustainability of its farming systems.





Name: *PRAMILA MUDIKORA*

Subject: *Environmental Studies*

Subject Code: *AECC*

Project Topic: *The impact of the ongoing climate change on earth*

Certificate

This is to certify that **PRAMILA MUDIKORA**, a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled:

The impact of the ongoing climate change on earth

under the guidance of **Mr. Sayantan Dutta, Dept. of Environmental Science, BB College, Asansol, WB.**

The college project was undertaken as a part of the **BA program curriculum** and was completed with diligence and dedication. The project involved [Briefly describe the main objectives and scope of the project].

Throughout the duration of the project, **PRAMILA MUDIKORA** demonstrated a profound understanding of the subject matter and exhibited exceptional problem-solving skills. The final deliverables presented by **PRAMILA MUDIKORA** showcased ingenuity and creativity in approaching the project's challenges.

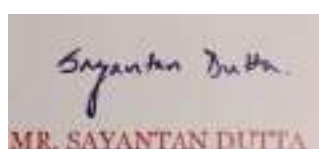
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to **PRAMILA MUDIKORA** for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

We wish **PRAMILA MUDIKORA** the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.



MR. SAYANTAN DUTTA



The impact of the ongoing climate change on earth

The ongoing climate change is having a profound impact on Earth across various dimensions, including the environment, ecosystems, economies, and human health. Here are some key impacts:

- **Rising temperatures:** Global temperatures have been steadily increasing, leading to more frequent and intense heatwaves. This can result in heat-related illnesses and deaths, especially among vulnerable populations.
- **Melting ice caps and glaciers:** As temperatures rise, ice caps and glaciers are melting at an accelerated rate, contributing to rising sea levels. This can lead to coastal erosion, loss of habitat for polar animals, and increased flooding in low-lying areas.
- **Changing weather patterns:** Climate change is altering weather patterns, leading to more extreme weather events such as hurricanes, droughts, floods, and wildfires. These events can cause widespread destruction, displacement of populations, and economic losses.
- **Ocean acidification:** Increased levels of carbon dioxide in the atmosphere are being absorbed by the oceans, leading to ocean acidification. This can harm marine life, including coral reefs, shellfish, and fish populations, with cascading effects throughout the marine ecosystem.
- **Loss of biodiversity:** Climate change is exacerbating the loss of biodiversity by disrupting ecosystems and habitats. Many species are struggling to adapt to rapidly changing conditions, leading to declines in populations and increased risk of extinction.
- **Impacts on agriculture:** Changes in temperature and precipitation patterns are affecting agricultural productivity and food security. Some regions may experience reduced crop yields, while others may face increased risks of pests and diseases.
- **Health impacts:** Climate change can have direct and indirect effects on human health, including heat-related illnesses, respiratory problems from air pollution, spread of infectious diseases, and mental health issues related to displacement and loss of livelihoods.

- **Social and economic disparities:** Climate change often exacerbates existing social and economic disparities, disproportionately affecting marginalized communities and developing countries with limited resources to adapt and mitigate the impacts.
- **Infrastructure vulnerability:** Rising sea levels and extreme weather events pose risks to critical infrastructure such as roads, bridges, power plants, and water treatment facilities. This can lead to disruptions in essential services and increased costs for repair and adaptation.

Overall, the impacts of climate change are far-reaching and multifaceted, requiring urgent and concerted action at local, national, and global levels to mitigate greenhouse gas emissions, adapt to changing conditions, and build resilience in vulnerable communities.

Causes and Effects of Climate Change

Causes

- Rapid industrialization
- Energy use
- Agricultural practices
- Deforestation
- Consumer practices
- Livestock
- Transport
- Resource extraction
- Pollution

Effects

- Rising temperatures
- Rising sea levels
- Unpredictable weather patterns
- Increase in extreme weather events
- Land degradation
- Loss of wildlife and biodiversity

What are the social impacts of climate change?

Displaced people. Poverty. Loss of livelihood. Hunger. Malnutrition. Increased risk of diseases. Global food and water shortages.

GlobalGiving



Name: *PRITY ROY*

Enrolment Number: *102211220150*

Subject: *Environmental Studies*

Subject Code: *AECC*

Project Topic: *The role of women in environmental conservation*

Certificate

This is to certify that **PRITY ROY**, a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled:

The role of women in environmental conservation

under the guidance of **Mr. Sayantan Dutta, Dept. of Environmental Science, BB College, Asansol, WB.**

The college project was undertaken as a part of the **BA program curriculum** and was completed with diligence and dedication. The project involved [Briefly describe the main objectives and scope of the project].

Throughout the duration of the project, **PRITY ROY** demonstrated a profound understanding of the subject matter and exhibited exceptional problem-solving skills. The final deliverables presented by **PRITY ROY** showcased ingenuity and creativity in approaching the project's challenges.

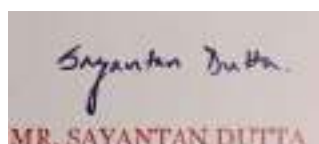
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to **PRITY ROY** for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

We wish **PRITY ROY** the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.



MR. SAYANTAN DUTTA



The role of women in environmental conservation

The role of women in environmental conservation is multifaceted and crucial. Historically, women have played significant roles in environmental stewardship, often at the community level, although their contributions have not always been adequately recognized or supported. Here are several ways in which women contribute to environmental conservation:

Traditional Knowledge and Practices: Women often hold valuable traditional knowledge about local ecosystems, biodiversity, and sustainable practices passed down through generations. This knowledge is essential for effective conservation efforts, as it can inform strategies for sustainable resource management and adaptation to environmental changes.

Community Leadership: Women frequently serve as leaders and decision-makers within their communities, advocating for environmental protection and sustainable development. Their leadership roles may involve organizing grassroots initiatives, mobilizing community members, and lobbying policymakers for environmental policies that prioritize conservation and sustainability.

Sustainable Agriculture and Food Security: Women are significant contributors to agricultural production, particularly in developing countries. Many women are involved in small-scale farming and subsistence agriculture, where they often employ sustainable farming practices that promote soil health, biodiversity, and resilience to climate change. Additionally, women play crucial roles in seed saving, crop diversification, and traditional food preservation methods, which are essential for food security and agricultural biodiversity conservation.

Natural Resource Management: Women are often responsible for managing natural resources such as water, forests, and land within their households and communities. Their roles in collecting water, fuelwood, and non-timber forest products give them firsthand knowledge of environmental degradation and the importance of conservation. Engaging women in decision-making processes related to natural resource management can lead to more equitable and sustainable outcomes.

Environmental Education and Awareness: Women frequently serve as educators and communicators within their communities, raising awareness about environmental issues and promoting sustainable behaviors. They play essential roles in educating children, families, and communities about the importance of conservation, biodiversity, and climate change mitigation and adaptation.

Conservation Science and Research: Women contribute to environmental conservation through scientific research and academia. Women scientists make valuable contributions to fields such as ecology, conservation biology, environmental science, and sustainability studies, advancing our understanding of ecosystems, biodiversity, and the impacts of human activities on the environment.

Environmental Activism and Advocacy: Women are often at the forefront of environmental activism and advocacy efforts, campaigning for policies and practices that promote conservation, climate action, and environmental justice. Women-led grassroots movements and organizations play critical roles in raising awareness, mobilizing communities, and holding governments and corporations accountable for their environmental impacts.

Overall, recognizing and supporting the diverse roles of women in environmental conservation is essential for achieving global sustainability goals and addressing pressing environmental challenges effectively. Empowering women with access to education, resources, decision-making opportunities, and leadership roles can enhance the effectiveness and inclusivity of conservation efforts worldwide.

**Contributing roles
in environmental
education-
protection and
waste
management of
the women**

Educator and Model

- *Help and suggest community and government activities that contributed to the welfare of the environment.
- * As a mother, you have to show and lead your children to practice cleanliness and plant trees in your surroundings

Advocator and Initiator

- *initiate to keep the cleanliness of the environment.
- * empowered to do or even to participate because we all have a voice to be heard and contribute to the environment.
- *Plant more trees.
- *right to do something in our communities, especially if it will benefit our environment.

Helper & Active Collaborator

- *help each other to clean the environment.
- *As a mother, I will help my family with the waste disposal.
- * I am willing to participate in activities and protect our mother earth because this is our home.

BANWARILAL BHALOTIA COLLEGE
Report on Educational Excursion
Department of Botany
Date:- 24.05.2023

Participating Students:- 2nd Semester Honours and Programme

2nd Sem Hons list	
1	Soumen Ghati
2	Shreyahi Banerjee
3	Muskan Kumari
4	Anjali Kumari
5	Adrija Mukherjee
6	Gousia Ashrafi

Place:- Cultivating vegetable Garden at Mohishila Colony at Asansol.

Participating Teachers:- Dr Chanchal Kumar Biswas, Dr Sunrit Basu Sarbadhikari, Dr Sucheta Mondal and Dr Sabina Pradhan

Brief Description Of the tour: A one day educational excursion is organized by the Department on 24.05.2023 with the students of 2nd semester honours and program. All the students participate in this educational tour. We start our journey nearly 11 am in the morning from the college campus by some hired vehicles.

The Department of Botany, accompanied by enthusiastic teachers and second-semester students, embarked on a fruitful vegetable field visit to Mohishila Gram in Asansol, West Burdwan district. The primary objective of this excursion was to observe and study the prevalent diseases affecting vegetables during the month of May.

As the group entered the lush green expanse of the vegetable fields, a palpable sense of excitement filled the air. The students, armed with notebooks and cameras, eagerly engaged with the local farmers to gain insights into the agricultural practices specific to the region.

The team focused its attention on identifying and documenting common diseases afflicting various vegetables at this time of the year. The farmers generously shared their knowledge and experiences, highlighting the challenges they face in maintaining healthy crops during the May season.

The sprawling fields presented a diverse array of vegetables, including tomatoes, cucumbers, bell peppers, and leafy greens. The students closely examined the plants, noting any visible symptoms of diseases such as wilting, discoloration, or unusual growth patterns. The teachers

provided valuable guidance, explaining the key indicators of specific diseases and their potential impact on crop yield.

In addition to disease observation, the visit provided an opportunity to discuss preventive measures and sustainable agricultural practices with the local farmers. The exchange of ideas fostered a collaborative spirit, bridging the gap between theoretical knowledge and practical application.

As the day unfolded, the participants left the field with not only a deeper understanding of vegetable diseases in the region but also a newfound appreciation for the intricate interplay between nature and agriculture. The visit served as an invaluable hands-on learning experience, reinforcing the importance of field research in botanical studies and cultivating a sense of responsibility towards the agricultural community.



B.B. College, Asansol (Department of Physics)

B.Sc Semester-III SEC project Distribution 2022

Electrical Circuit Network Skills

Name of the supervisors	Project Title	Name of Students
Dr. P. Ghosh	Design and study of IC regulated 5V D.C power supply	Rupa Sadhu Seema Dey, <i>Sayanjit Das</i>
Dr. K. Mukherjee	To study the resistors, capacitors and inductors to different types of signals	Ankita Banerjee Debsmita Chatterjee <i>g. Wilson</i>
Sri. K. Maji	Digital multi-meter and its working principle	Praticee Mondal Priyanshu Mondal Satyadeep Modak
Dr. S.Mandal	To study the basic electricity principles	Deep Das Sagar Mondal Debojyoti Mondal
Dr. R.K. Roy	Conversion of A.C. to D.C by bridge rectifier with capacitor filter	Jagannath Ray Jit Dey Rudra Sinha
Dr. J. K. Majhi	Conversion of A.C to D.C by full wave rectifier	Priyanshuk Chakraborty Tanima <i>Sujoy</i> Bandopadhyay, <i>Parag</i>
Dr. A. Ghosh	Conversion of Ammeter to Voltmeter	Sourik Dey Somnath Chattaraj
Dr. S.S. Mandal	Conversion of Voltmeter to Ammeter	Debashis Gope Subhodeep Mukherjee Neha Sah
Dr. K.K. Dey	Construction of house hold electrical wiring (single-phase)	Sangita Maddi Kirti Kumari Yadav Puja Harijan

RKR 08.09.2022

H.O.D

Department Of Physics

Physics
Department of Physics (UG & PG)
B.B. College, Asansol-713303 (W.B)

SEC-II (BSc Physics Honours 4th Semester Project Distributions)

Basic Instrumentation Skills (BSCHPHSSEC401)

Experiment/Project	Teacher	Students
Measurement of Voltage, Frequency, Time Period and Phase angle.	Dr. P. Ghosh	1. Ankita Banerjee 2. Debajyoti Mondal 3. Debangshu Chakraborty
Measurement of rise, fall and delay time using CRO	Dr. K. Mukherjee	4. Debashish Gope 5. Debdeep Das 6. Debsmita Chatterjee
Measurement of R, L and C using LCR bridge or universal bridge	Dr. J. K. Majhi	7. Deep Das 8. Jagannath Ray 9. Jit Dey
Working principle of function generator	Dr. R. K. Roy	10. Kirti Kumari Yadav 11. Neha Sah 12. Niraj Kumar Paswan
Working Principle of Q meter with Block diagram	Dr. K. K. Dey	13. Priyangshuk Chakraborty 14. Priyanshu Mandal 15. Puja Harijan
To draw the Lissajous figure using CRO	Sri K. Maji	16. Rudra Sinha 17. Rupa Sadhu 18. Sagar Mondal
Working principle of Digital meters (Volt meter, ammeter etc.)	Dr. S. Mondal	19. Sahil Sarfaraz Khan 20. Sangita Maddi 21. Santanu Chakraborty
Working principle of AC milli voltmeter	Dr. S. S. Mandal	22. Satyadeep Modak 23. Sayan Shib Das 24. Seema Dey
Working principle and application of transformer	Dr. A. Ghosh	25. Somnath Chattaraj 26. Sourik Dey 27. Subhdeep Mukherjee 28. Konika Roy
To observe the loading effect of a multimeter while measuring voltage across a low resistance and high resistance	Dr. A. Biswas	29. Sujoy Banerjee 30. Tanima Bandyopadhyay 31. Wilson Raj

RKR 02.05.2023
HOD

Department of Physics, B. B. College, Asansol.

Head
Department of Physics (UG & PG)
B.B. College, Asansol-713303 (W.B)



BANWARILAL BHALOTIA COLLEGE

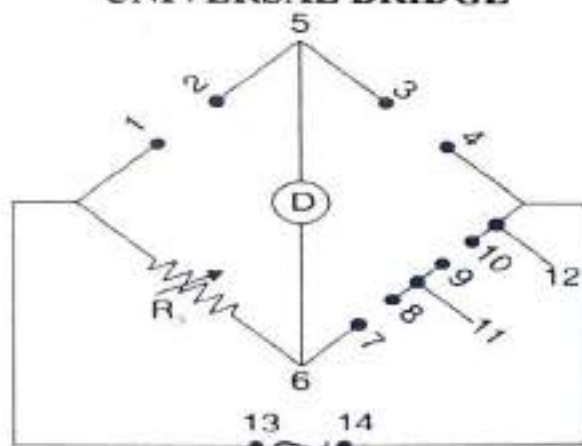


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ESTD. 1944

SKILL ENHANCEMENT COURSE

TOPIC

MEASUREMENT OF R, L AND C USING LCR BRIDGE OR
UNIVERSAL BRIDGE



Name: Jit De

Registration No.: 102211220307

Semester: IV

Course: B.Sc. (Hons) Physics





काजी नज़रुल विश्वविद्यालय
KAZI NAZRUL UNIVERSITY

BANWARILAL BHALOTIA COLLEGE



SESSION 2022-23
SEMESTER-IV

SKILL ENHANCEMENT COURSE



BSc in PHYSICS (Hons.)
NAME: SEEMA DEY
REGT NO: 102211220251

BANWARILAL BHALOTIA COLLEGE

ASANSOL

Govt. Sponsored & Affiliated to KAZI NAZRUL UNIVERSITY



SKILL ENHANCEMENT COURSE-II

TOPIC : WORKING PRINCIPLE & APPLICATION OF TRANSFORMER

NAME:- SUBHODEEP MUKHERJEE

REGISTRATION NO:-KNU102211220236

SEMESTER-IV

COURSE- B.Sc. HONS

DISCIPLINE-PHYSICS

SESSION :- 2022-23



BANWARILAL BHALOTIA COLLEGE



SKILL ENHANCEMENT COURSE

TOPIC

MEASUREMENT OF RISE, FALL AND DELAY TIME USING CRO

Name: Debashish Gope

Registration No.: 102211220330

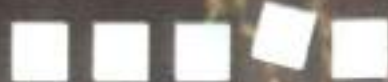
Semester: IV

Course: B.Sc. (Hons) Physics



BANWARILAL BHALOTIA COLLEGE

COURSES (SEC)



BASIC INSTRUMENTATION SKILLS

TOPIC:

To observe the loading effect of a multimeter while measuring voltage across a low resistance and high resistance



STUDENT DETAILS:

NAME: TANIMABANDYOPADHYAY
REGNO: 102211220185
SEMESTER: IV
COURSE: BSCHPHSSEC401
SESSION: 2022-23

PROJECT SUPERVISOR
Dr. Ambalika Biswas

Department of Physics
B.B. College, Asansol
B.Sc (Hons) Semester-III SEC project Distribution 2023

Electrical Circuit Network Skills

All the 3rd Semester Physics (Hons) students are hereby instructed to consult their supervisor as listed below for their SEC project. All the students have to prepare a project report and submit the same at the time of SEC exam.

Name of the supervisors	Project Title	Name of Students
Dr. P. Ghosh	Design and study of IC regulated 5V D.C power supply	Mr. Surya Maji Mr. Brajesh Upadhyay
Dr. K. Mukherjee	To study the resistors, capacitors and inductors to different types of signals	Mr. Shaswata Ghosh Ms.. Sampurna Banerjee Miss. Indira Mondal
Sri. K. Maji	Conversion of A.C. to D.C by bridge rectifier with capacitor filter	Mr. Ankur Chakraborty Mr. Rohan Saha
Dr. S.Mandal	To study the basic electricity principles	Mr. Yubaraj Chakrabarty Mr. Arnab Dey Mr. Saheb Shaw
Dr. R.K. Roy	Construction of house hold electrical wiring (single-phase)	Mr. Abhinandan Gon Mr. Soumik Mishra
Dr. J. K. Majhi	Conversion of A.C to D.C by full wave rectifier	Mr. Punit Kumar Prasad Miss. Sunita Chouhan
Dr. A. Ghosh	Conversion of Ammeter to Voltmeter	Miss. Abida Naushad Mr. Lalchand Mondal
Dr. S.S. Mandal	Conversion of Voltmeter to Ammeter	Mr. Sweta Bauri Miss. Tanu Yadav Mr. Aman Ansary
Dr. K.K. Dey	Generators and Transformers	Miss. Mamina Sahoo Mr. Ankit Kumar Shaw
Dr A Biswas	Single phase & three phase DC motors	Mr. Joyjit Pramanik Mr. Samim Ansary



29/8/2023
H.O.D

Department Of Physics

Head

Department of Physics (UG & PG)
B.B. College, Asansol-713303 (WB)

Department of Physics, B.B. College, Asansol

Project Supervisor of M.Sc. 4th Semester 2023

Notice is hereby given that the 4th Semester M.Sc. Project Supervisor will be as given below. The student is instructed to consult the Supervisor for working on any post-M.Sc. level subject of Physics. It is also advised to prepare a Project Report for submitting the same at the time of Seminar Presentation which will be notified later by Kazi Nazrul University.

Name of the supervisors	Name of the Student	Registration No.
Dr. K. Mukherjee	Sudip Laha	KNU21015325



KD
26/04/2023
PG Coordinator

Department Of Physics
IN-CHARGE
Post Graduate Dept. of Physics
B.B. College, Asansol

BCD ADDER AND BCD SUBTRACTOR

SUDIP LAHA

REGISTRATION NO :- KNU21015325

SESSION :- 2021-2022

SUPERVISOR :- MR. DR. KOUSHIK
MUKHERJEE

DEPARTMENT OF PHYSICS

BANWARILAL BHALOTIA COLLEGE

KAZI NAZRUL UNIVERSITY

A PROJECT SUBMITTED FOR FULLFILLMENT OF
THE DEGREE OF MASTER OF SCIENCE IN
PHYSICS

APPROVAL SHEET

This thesis/dissertation/ report entitled "BCD ADDER AND BCD SUBTRACTOR" by Sudip Laha, Reg. No.:- KNU21015325 is approved the degree of Masters Of Science in Physics.


28/08/23

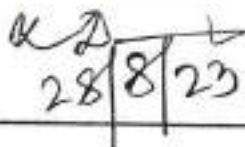
Pritya Dey
28/08/2023

Examiner


25/8/23

Supervisor

Associate Professor
Post Graduate & Under Graduate
Department of Physics
R. College, Asansol - 713303 (W.B)


28/8/23

Head Of the Department

Head
Department of Physics (UG & PG)
B. B. College, Asansol-713303 (W.B)




**Summary Report of Fieldworks conducted by the Department of Geography, Hindi Shift
(1st September 2022 to 31st August, 2023)**

The Department of Geography (Hindi Shift), Banwarilal Bhalotia College organized a field trip to Susunia Hill, Bankura, West Bengal on 11/11/2022 for the part fulfilment of Paper CC-12 as per LOCF syllabus, Kazi Nazrul University, Asansol, West Bengal. A total number of 45 students was accompanied by 3 teachers and the trip was organized with due permission from the office of the Principal.

Additionally, the Department of Geography (Hindi Shift), Banwarilal Bhalotia College organized

a field trip to Rampuria and Sittong, Darjeeling district, West Bengal from 03/05/2023 to 08/05/2023 for the part fulfilment of Paper CC-14 as per LOCF syllabus, Kazi Nazrul University, Asansol, West Bengal. A total number of 45 students was accompanied by 3 teachers and the trip was organized with due permission from the office of the Principal.

Permission letters for conducting field trips



Banwarilal Bhalotia College
 Affiliated to **KAZI NAZRUL UNIVERSITY, Asansol**
 (GOVT. SPONSORED U G & P G College)
 ASANSOL - 713303, WEST BENGAL
 (INDIA)

Phone: 0341-2274842
 Fax : 0341-2274529
 Web: www.bbcollge.ac.in
 E-mail: bbcollege1944@gmail.com


TO WHOM IT MAY CONCERN


This is to certify that the Department of Geography (Hindi Shift), Banwarilal Bhalotia College is organizing a field trip to Summa Hill, Bankura on 11/11/2022 for O.G Geography Semester V (Hons.) students for the part fulfillment of Paper CC-17 as per LOCF syllabus, Kazi Nazrul University, Asansol, West Bengal.

Total number of 45 students is being accompanied by 3 teachers and 1 non-teaching staff. This trip is being organized with due permission from the office of the Principal and all necessary co-ordination has been done, thereby following all rules and regulations. The list of teachers and students are tabulated as under:

Sl. No.	Name of The Students	Sl. No.	Name of The Students
1	Abhishek Pandey	25	Rahat Jabin
2	Abhishek Prasad	26	Raja Burnwal
3	Anarjeet Kour	27	Rakesh Kumar Maham
4	Anisha Kumari Roy	28	Rina Kumari Kurmi
5	Anjali Yadav	29	Rashmi Khatoon
6	Bishal Prasad Kishwaha	30	Sabana Khatoon
7	Braj Kishor Bhagat	31	Sahil Singh
8	Danya Kumari	32	Sakshi Kumari Burnwal
9	Ekta Kuman	33	Salini Saha
10	Harsh Shaw	34	Santu Kumari
11	Jayanti Mondal	35	Sarika Paswan
12	Jyoti Gupta	36	Shreeya Rakshi
13	Kaberi Renu	37	Shivani Kumari Yadav
14	Kalyani Bhabdar	38	Shruti Singh
15	Komal Kri Giri	39	Sobham Kri Rai
16	Laxmi Modi	40	Sodha Kumari
17	Laxmi Pandit	41	Suman Kumari Nong
18	Madhu Kumari Yadav	42	Sami Kumar Sharma
19	Manisha Kumari	43	Suraj Ram
20	Neha Mondal	44	Swati Kumari Das
21	Pratima Kumari Abir	45	Uttam Kumar Pandit
22	Prii Sharma		
23	Prii Thakur		
24	Purnam Kumari Mondal		

Sl. No.	Name of Teaching & Non-Teaching Staff	Sl. No.	Name of Teaching & Non-Teaching Staff
1	Dr. Manas Pal	3	Mr. Saarav Verwarkarna
2	Ms. Sohani Neogy	4	Mr. Swarup Sotradhar


 (PRINCIPAL)
 Banwarilal Bhalotia College,
 Asansol, West Bengal-713303
DR. AMITAVA BASU
 Principal, B. B. College
 Udagam, Asansol, P. Bardhaman
 West Bengal - 713303





Estab. 1944

Banwarilal Bhalotia College

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ASANSOL - 713303, WEST BENGAL
(INDIA)

Phone: 0341 2274542

Fax : 0341 2274529

Web: www.bbcollege.ac.in

E-mail: bbcollege1944@gmail.com

Date: 10/04/2023

TO WHOM IT MAY CONCERN

This is to certify that the Department of Geography (Hindi Staff), Banwarilal Bhalotia College is organizing a field trip to Rampur and Sitong, Darjeeling district, West Bengal from 03/05/2023 to 08/05/2023 for the part fulfillment of Paper CC-14 as per LOCF syllabus, Kazi Nazrul University, Asansol, West Bengal.

A total number of 45 students is being accompanied by 3 teachers. This trip is being organized with due permission from the office of the Principal and all necessary co-ordination has been done, thereby following all rules and regulations. The list of students and teachers are tabulated as under:

Sl. No.	Name of The Students	Sl. No.	Name of The Students
1	Abhishek Pandey	24	Priya Thakur
2	Abhishek Prasad	25	Punam Kumari Mondal
3	Abu Anshqain Sahil	26	Rahat Jabin
4	Amarjeet Koir	27	Raja Barwal
5	Anisha Kumari Roy	28	Rakesh Kumar Mahata
6	Anjali Yadav	29	Rina Kumari Kurni
7	Bishal Prasad Kushwaha	30	Rozesi Khatoon
8	Beaj Kishor Bhugat	31	Sahana Khatoon
9	Deepa Kumari	32	Sahil Singh
10	Ekta Kumari	33	Sakshi Kumari Barwal
11	Hareh Shaw	34	Salini Saha
12	Jayanti Mondal	35	Saika Paswan
13	Jyoti Gupta	36	Sharqua Raksha
14	Kaberi Renu	37	Shreani Kumari Yadav
15	Kalyani Bahadur	38	Shruti Singh
16	Komal Km Giri	39	Suhani Kr Rai
17	Laxmi Modi	40	Sudha Kumari
18	Laxmi Pandit	41	Suman Kumari Nonia
19	Madhya Kumari Yadav	42	Sumit Kumar Sharma
20	Manisha Kumari	43	Suraj Ram
21	Neha Mondal	44	Swati Kumari Tazi
22	Prallima Kumari Ahir	45	Uttam Kumar Pandit
23	Priya Sharma		

Sl. No.	Name of Teachers	Sl. No.	Name of Teachers
1	Dr. Manas Pal	3	Mr. Saurav Vishwakarma
2	Ms. Sohini Neogy		

AB

(PRINCIPAL)
Banwarilal Bhalotia College,
Asansol, West Bengal-713303
DR. ANITAVA BASU
Principal, B. B. College,
Uchigram, Asansol, P. Sarabanan
West Bengal - 713303

List of students going for compulsory field trip

6th Semester Student List 2023 Department of Geography (Hindi Shift)


Sl. No.	Name of the Students
1	Abhishek Pandey
2	Abhishek Prasad
3	Aha Ashiqam Sahel
4	Amarjeet Kour
5	Arushi Kumari Roy
6	Arijah Yadav
7	Bibha Prasad Kashwala
8	Braj Kishor Dhaugai
9	Deepa Kumari
10	Esha Kumari
11	Harsh Shrivastava
12	Jayanti Mondal
13	Jyoti Gupta
14	Kalyani Bahadur
15	Komal Koi Gai
16	Laxmi Modi
17	Laxmi Prasad
18	Madhu Kumari Yadav
19	Mansha Kumari
20	Neha Mondal
21	Pratima Kumari Aha
22	Priya Sharma
23	Priya Thakur
24	Purnima Kumari Mondal
25	Rabha Jabin
26	Raja Barnwal
27	Rakesh Kumar Mahato
28	Rina Kumari Kurmi
29	Roshni Khatun
30	Sabana Khatun
31	Sahil Singh
32	Sakshi Kumari Barnwal
33	Salini Saha
34	Sanjiv Kumar
35	Sarika Paswan
36	Sharada Rakshi
37	Shivani Kumari Yadav
38	Shruti Singh
39	Suhani K. Rai
40	Sudha Kumari
41	Suman Kumari Nongia
42	Suma Kumari Sharma
43	Suraj Ram
44	Swati Kumari Turi
45	Uttam Kumar Pandit


Glimpses of field reports of 5th and 6th Semester students

KAZI NAZRUL UNIVERSITY
B.Sc. HONOURS (2022 - 2023)
5th SEMESTER

NAME : SAKCHI KUMARI BURNWAL
REGISTRATION NO : KNUR016001855
ROLL NO : HAH - 262/20

GEOGRAPHY DEPARTMENT





Banwarilal Bhalotia College
Affiliated to KAZI NAZRUL UNIVERSITY, Asansol
K.G.M.T. STATION ROAD DD & PG College
ASANSOL - 713303, WEST BENGAL
(INDIA)


Phone: 0341-229484
Fax : 0341-229402
Tlx: www.bbcollege.ac.in
E-mail: bbw@bbcollege.ac.in

Date: 14/12/2022

Certificate for the Completion of Field Report

This is to certify that Mr/Ms. Sakchi Kantari Burnwal, a student of the Department of Geography (Hindi VIII) having Roll No. HAH-262/20, No. _____ and Registration No. KNUR016001855, Session-2022-2023, has successfully completed her/his field report entitled Geographical Appraisal of Baxantpur and Dapana Villages, Chikna CD Block, Bankura, West Bengal for the partial fulfillment of B. Sc. Semester V Examination, 2022 under the supervision and guidance of the undersigned.


Ms. Subini Dasgupta
Assistant Professor
Department of Geography (Hindi VIII)
Banwarilal Bhalotia College, Asansol


Dr. Rajan Pal
Assistant Professor
Department of Geography (Hindi VIII)
Banwarilal Bhalotia College, Asansol



KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE

INTEGRATED FLOOD MANAGEMENT : A CASE STUDY OF GHATAL CD
BLOCK, PASCHIM MEDINIPUR DISTRICT, WEST HENGAL



DEPARTMENT OF GEOGRAPHY
(HINDI SHIFT)



❖ SUBMITTED BY:-

- NAME : SABANA KHATOON
- REG.NO : KNU20116001739
- SESSION :2020-2021
- COURSE NAME :Disaster Management Project Work
- COURSE CODE : BSCHGEOC602

KAZI NAZIRUL UNIVERSITY



B.Sc. 6th Semester Examination Disaster Management Project
Work (BCHGEOC602)

**Integrated Flood Management: A Case Study of Ghatal
CD Block, Paschim Medinipur District, West Bengal**

SUBMITTED BY-

NAME: SUDHA KUMARI

ROLL NO.: ; 1162002122018043

REGISTRATION NO.: KNU20116002235

SESSION: 2020-2023



Department Of Geography (Hindi Shift)

Banwarilal Bhalotia College, Asansol

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE

ASSESSMENT OF LANDSLIDE VULNERABILITY AND COMMUNITY
PREPAREDNESS-A CASE STUDY OF BIRIK DARA, DARJEELING
DISTRICT, WEST BENGAL



DEPARTMENT OF GEOGRAPHY
(HINDI SHIFT)



❖ SUBMITTED BY:-

- NAME : SABANA KHATOON
- REG.NO : KNU20116001739
- SESSION : 2020-2021
- COURSE NAME : Disaster Management
Project Work
- COURSE CODE : BSCHGEOC602

LAZI NAZRUL UNIVERSITY



B.Sc. 6th Semester Examination Disaster Management Project
Work (BSCHGEOC602)

Assessment of landslide vulnerability and community
preparedness - A case study of Birik Dara, Darjeeling district,
west Bengal

SUBMITTED BY-

NAME: SWATI KUMARI TURI

ROLL NO.: 1162006122018047

REGISTRATION NO.: KNU20116002451

SESSION: 2020-2023



Department Of Geography (Hindi Shift)

Banwarilal Bhalotia College, Asansol

KAZI NAZRUL UNIVERSITY



B.Sc. 6th Semester Examination Disaster Management Project
Work (BSCHGEOC602)

Assessment of landslide vulnerability and community
Preparedness - A case study of Birik Dara, Darjeeling district, west Bengal

SUBMITTED BY NAME: ABU AASHQAIN SAHIL

ROLL NO.:

REGISTRATION NO. : KNU20116001974




SESSION: 2020-2023



Department Of Geography (Hindi Shift)
Banwarilal Bhalotia College, Asansol


9/6/2023

Travel tickets for reaching the study area

Electronic Reservation Slip (ERS)

Boarding From
 BANGSALAN (BWS)
 Departure* 3-May-2023 21:18*



TO
 NEW JALPAIGURI (NJP)
 Arrival* 4-May-2023 06:35*

PNR 6213179173	Train No./Name 11417 LUTTAR BANGA EXP	Class Sleeper (SL)
Quota General (GR)	Passenger 466 NP	Ticket Pricing Time 03-May-2023 17:11:30 hrs

Passenger Details


#	Name	Age	Gender	Booking Status	Current Status
1	ANILKUMAR	21	M	CNF/25/42/199	CNF/25/42/199
2	ANILKUMAR	21	M	CNF/25/41/200	CNF/25/41/200
3	ANILKUMAR	21	M	CNF/25/40/201	CNF/25/40/201
4	ANILKUMAR	21	M	CNF/25/39/202	CNF/25/39/202
5	ANILKUMAR	21	M	CNF/25/38/203	CNF/25/38/203
6	ANILKUMAR	21	M	CNF/25/37/204	CNF/25/37/204

Address: BWS, REMOTE LOCATION NAT, BT
 HOWRAH ROAD, HOWRAH, WB
 PNR: PNR: 03 05 2023 17:11:30 hrs

Transaction ID: 1620001033300033
 valid for use till 03/05/2023 17:11:30 hrs, valid until 31/05/2023
 *Necessary only 50% of cost of travel on an average.

Payment Details

Total Fare	₹1480.00	Rupee One Thousand Six Hundred Eighty Only
EC - G Convenience Fee	₹12.70	Rupee Twelve and Seven Paise Only
Agent Service Charge	₹25.00	Rupee Twenty Five Only
Travel Insurance Premium	₹2.10	Rupee Two and Ten Paise Only
IG Charges	₹12.73	Rupee Twelve and Seven Paise Only
Total Paid	₹1532.53	Rupee One Thousand Five Hundred Thirty Two and Five Paise Only



IG Charges are included Additional!
 RCTS Convenience Fee & Agent Service Charge are charged per ticket irrespective of no. of passengers on the ticket.
 * The quoted Departure and Arrival Times are liable to change. Please Check correct departure, arrival from Railway Station Enquiry or Dial 139 or 1396 RAIL to 139.

Agent Details

Principal Agent Name - Uttar Ganga Booking Co Pvt Ltd	
Customer Care Email - ugc.booking@1991@gmail.com	Customer Care Contact - 80776680
REP ID - WAB0011991	REP Name - UGC/1 CHATTERJEE
REP Address - 4 NO FARRUK PLACE ROOM NO 014 HOWRAH WEST BENGAL (INDIA)	

* Prescribed original proof is required while boarding along with IIR/194/ERS otherwise will be treated as e-ticket ticket and penalized as per Railway Rules.

Electronic Reservation Slip (ERS)

Indian Railways GST Details	
Invoice Number - NA	Address - NA
Supplier Information	
SAC Code - NA	GSTRN - NA
Recipient Information	
GSTRN - NA	
Name - NA	Address - NA

Electronic Reservation Slip (ERS)



Boarding From
BANDERMAN IN (BNM)
Departure 3-May-2023 21:18*



TO
NEW JAFARULY ALP
Arrival 4-May-2023 06:35*

PNR 8115170673	Train No./Name 1047 /UTTAR BANGA EXP	Class Sleeper (SL)
Quota General (GN)	Distance 483 KM	Ticket Validity Date 03-Feb-2024 11:18:42 Hrs

Passenger Details

S	Name	Age	Gender	Booking Status	Current Status
1	SURAJ KAN	21	M	CNF: 21 /03 /23	CNF: 21/03/23
2	SUBHAM KR RAJ	22	M	CNF: 21 /03 /23	CNF: 21/03/23
3	HARSH SHAN	21	M	CNF: 21 /03 /23	CNF: 21/03/23
4	SANJ, SINGH	21	M	CNF: 21 /03 /23	CNF: 21/03/23
5	BISHAL PRASAD KU	22	M	CNF: 21 /03 /23	CNF: 21/03/23
6	SUNAT K SHARMA	21	M	CNF: 21 /03 /23	CNF: 21/03/23

Remarks

RLWL, PENDING LOCATION WAITLIST
RNL, ROAD-SIDE WAITLIST

PNWL, POOLED QUOTA WAITLIST

Transaction ID: 188603528005131

UPI/IRCTC QR code will be generated within 575. QR code (Q)

IR recovers only 57% of cost of travel on an average.

Payment Details

Ticket Fare	₹1,687.00	Rs One Thousand Six Hundred Eighty Only
IRCTC Convenience Fee	₹17.70	Rs One Seventeen and Seventy Paise Only
Agent Service Charge	₹25.10	Rs Twenty Five and Ten Paise Only
Travel Insurance Premium	₹2.10	Rs Two and Ten Paise Only
PG Charges	₹12.73	Rs Twelve and Seventy Three Paise Only
Total Fare	₹1,744.63	Rs One Thousand Seven Hundred Forty Four and Sixty Three Paise Only



PG Charges as applicable (Additional)

IRCTC Convenience Fee & Agent Service Charges are charged per e-ticket irrespective of no. of passengers on the ticket.

* The printed Departure and Arrival Times are liable to change. Please Check correct departure, arrival from Railway Station Enquiry or Dial 139 or SMS RAS to 139.

Agent Details

Principal Agent Name - Aker Online Booking Co Pvt Ltd	
Customer care Email - amrashedha@1311@prv.co.uk	Customer Care Contact - 90770401
RSP No - 2008RPL10588	RSP Name - DEBDUJ CHATTERJEE
RSP Address - 2ND FLOOR PLACE HO326 NO 014 KOLKATA WEST BENGAL 700001	

* Pre-secure original QR proof is required while traveling along with SMS/ UPI/ IRCTC QR code will be treated as invalid ticket and penalized as per Railway Rules.

Electronic Reservation Slip (ERS)

Indian Railways GST Details	
Invoice Number - NW	Address - NA
Supplier Information	
SAC Code - NA	GSTRN - NA
Recipient Information	
GSTRN - NA	
Name - NA	Address - NA

Electronic Reservation Slip (ERS)



Boarding From
 BANGALORE
 Departure* 7 May 2023 18:50*

TO
 BANGALORE
 Arrival* 8 May 2023 06:00*

PNR 0015178773	Train No./Class 11201 BANGALORE RAJYQ	Class Economy
Coach General 02R	Distance 238 KM	Ticket Pricing Type 03-Feb-2023 17:25:43 INR

Passenger Details

#	Name	Age	Gender	Booking Status	Current Status
1	SURESH K	21	M	CONFIRMED	CONFIRMED
2	SUBHAM K	22	M	CONFIRMED	CONFIRMED
3	ANSHU K	23	M	CONFIRMED	CONFIRMED
4	ANSHU K	24	M	CONFIRMED	CONFIRMED
5	ANSHU K	25	M	CONFIRMED	CONFIRMED
6	ANSHU K	26	M	CONFIRMED	CONFIRMED

AGENCY: BANGALORE
 RWA, BANGALORE
 RWA, BANGALORE

Terms & Conditions apply
 *The quoted Departure and Arrival Times are only indicative. Please check correct departure/arrival from Railway Station. Contact
 Call 139 or 022-6666 139.

Payment Details

Ticket Fee	₹1520.00	Rupees One Thousand Five Hundred Twenty Only
RCTC Commission Fee	₹17.75	Rupees Seventeen and Seventy Five Only
Agent Service Charge	₹23.00	Rupees Twenty Three Only
Travel Insurance Premium	₹1.10	Rupees One and Ten Paise Only
TD Charge	₹14.15	Rupees Fourteen and Fifteen Paise Only
Total Fee	₹1576.00	Rupees One Thousand Five Hundred Seventy Six and Ten Paise Only



PO Charges are applicable (As Per)
 RCTC Commission Fee & Agent Service Charges are charged per ticket irrespective of no. of passengers on the ticket
 *The quoted Departure and Arrival Times are only indicative. Please check correct departure/arrival from Railway Station. Contact
 Call 139 or 022-6666 139.

Agent Details

Foreign Agent Name: Anshu Online Booking Co. Pvt Ltd	Customer Care Contact: 9876543210
Customer Care Email: anshuonline1801@gmail.com	RFI Name: DEBANGI CHATTERJEE
RFI ID: WABRPL1088	RFI Address: A NO PAPER PLACE ROAD NO 514 HOUSLEY WEST BANGALORE

* Presented original ID card to be carried while travelling along with SME/IRMS. IRMS document will be issued as without cost and no valid as per
 Railway Rules.

Electronic Reservation Slip (ERS)

Indian Railways GST Details	
Invoice Number: N/A	Address: N/A
Supplier Information	
SAC Code: N/A	GSTIN: N/A
Recipient Information	
GSTIN: N/A	Address: N/A
Name: N/A	Address: N/A

Electronic Reservation Slip (ERS)



Boarding From
SAMBALPUR (SBP)
Departure* 3-May-2023 21:45*



TO
NEW ALPADUR (NPL)
Arrival* 4-May-2023 06:30*

PNR 6185172886	Train No./Name 11561 CUTTACK BANDA EXP	Class General (GN)
Seats General (GN)	Distance 486 KM	Total Booking Time 03-May-2023 17:25:16 Hrs

Passenger Details

S	Name	Age	Gender	Booking Status	Current Status
1	SHUK KUMAR	27	M	OKF 01 04 08	OKF 01 04 08
2	ANNA MOO	21	F	OKF 01 01 08	OKF 01 01 08
3	AKT'S KUMAR	22	M	OKF 01 01 08	OKF 01 01 08
4	SHAKH K SURYAN	21	M	OKF 01 04 03	OKF 01 04 03
5	SHAKH KUMAR	20	M	OKF 01 04 08	OKF 01 04 08
6	SHYU KUMAR	21	M	OKF 01 04 03	OKF 01 04 03

Address: BANGS ROAD, COAST ROAD, WEST BENGAL, KOLKATA 700007

PNR: 6185172886

Transaction ID: 66661800000182
 *Valid for use till 30th Sep 2023 (21% GST apply)
 @ Applies only 5% of cost of total on an average.

Payment Details

Reservation Fee	₹ 188.00	Reserve One Thousand Six Hundred Eighty Only
IRCTC Convenience Fee	₹ 17.75	Reserve One Thousand Seven Hundred Only
Agent Service Charge	₹ 21.00	Reserve Twenty Only
Transaction Fee	₹ 2.00	Reserve Two Only
Tax	₹ 11.75	Tax Reserve Eleven Hundred Only
Total Fee	₹ 240.50	Reserve Two Hundred Forty Only



*No Charges are applicable (Railfare)
 IRCTC Convenience Fee & Agent Service Charges are charged per ticket irrespective of no. of passengers on the ticket.
 *The printed Departure and Arrival Times are liable to change. Please check current departure, arrival from Railway Station Enquiry or 166 136 or SMS RAIL to 136.

Agent Details

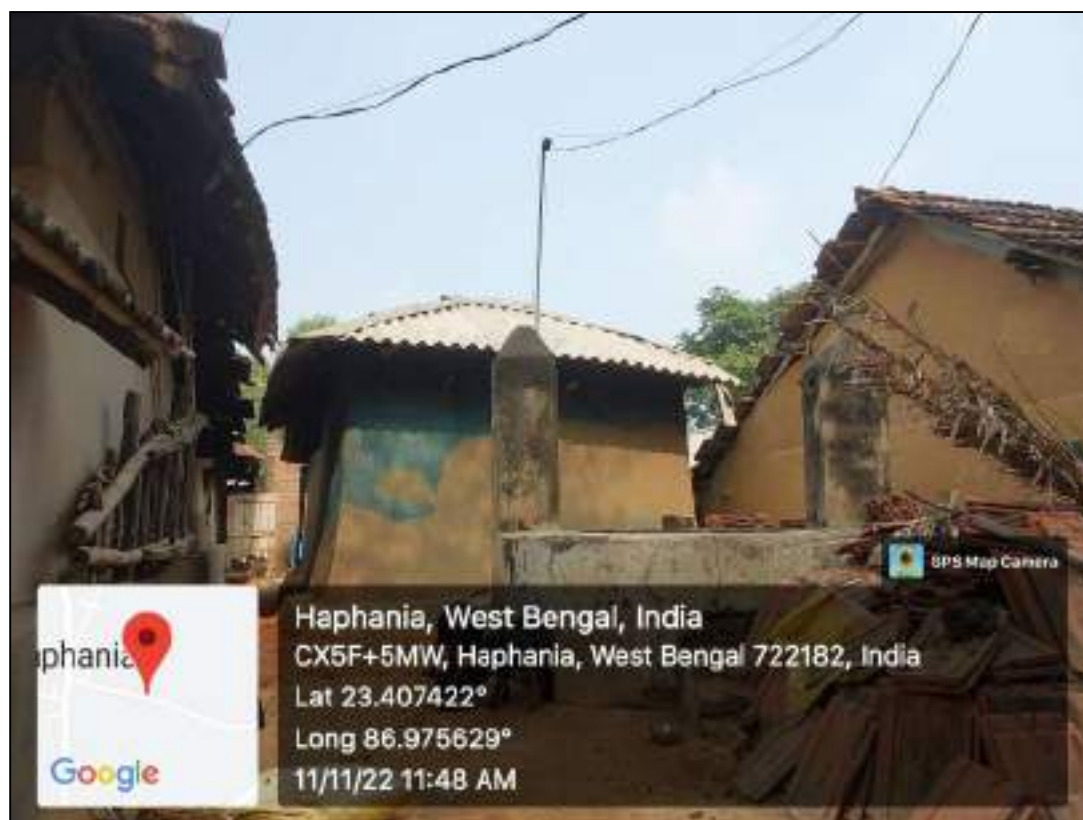
Principal Agent Name: Akshay Online Booking Co Pvt Ltd	
Customer Care Email: akshay@akshay1811@gmail.com	Customer Care Contact: 907709801
RSP No: 180889110888	RSP Name: 180889110888
RSP Address: 4 NO FARULI PLACE, ROOM NO Q/4 KOLKATA WEST BENGAL 700011	

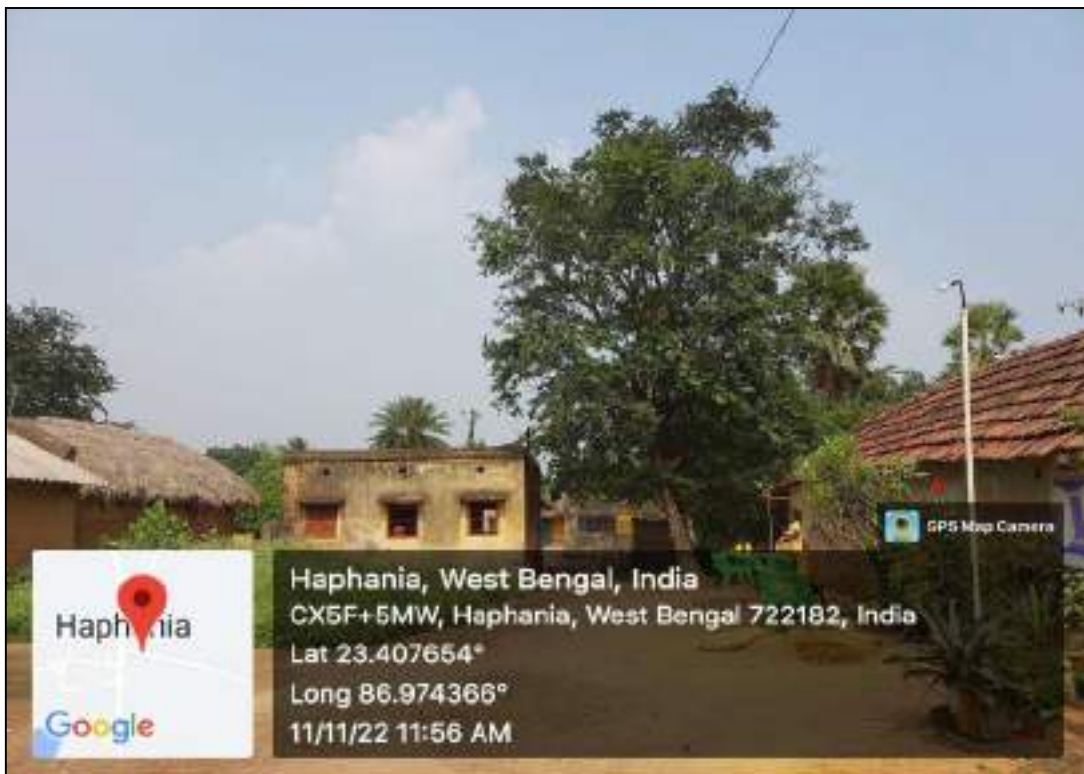
* Principal agent @ proof is required while travelling along with UMS/IRMS (IRIS otherwise will be treated as without ticket and proceed as per Railway Rules)

Electronic Reservation Slip (ERS)

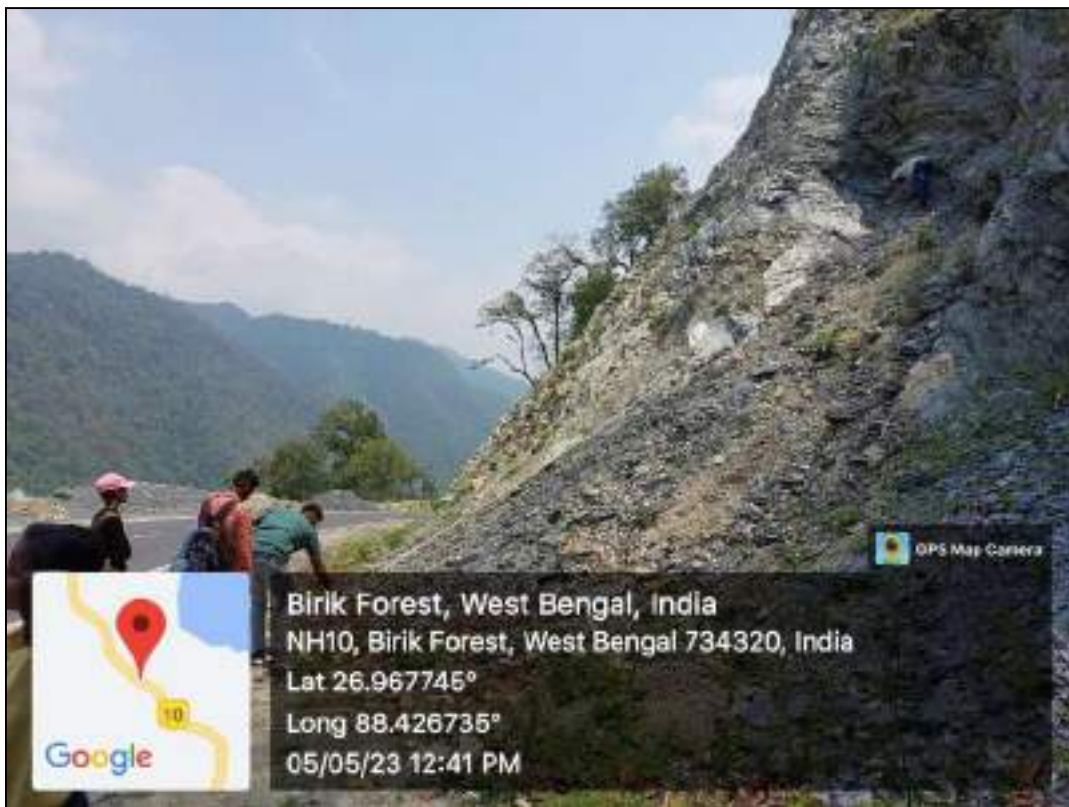
Indian Railways GST Details	
Invoice Number: NA	Address: NA
Supplier Information	
GSTIN: NA	GSTIN: NA
Recipient Information	
GSTIN: NA	Address: NA

Field Photographs

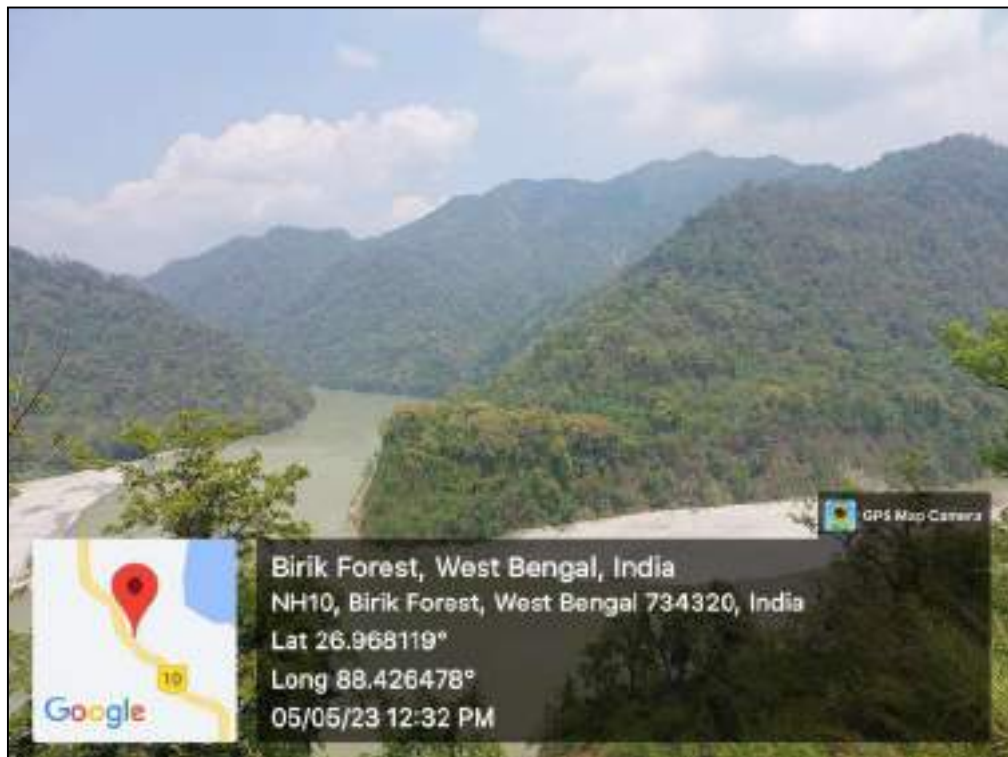
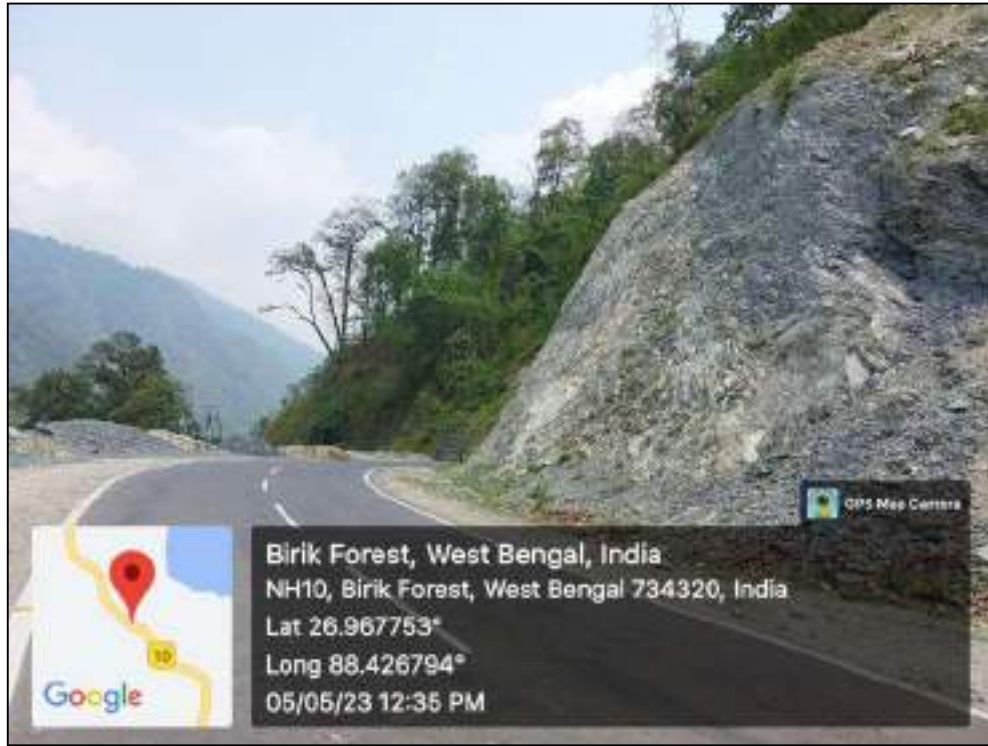












FIELD WORK DOCUMENTS (1ST SEPTEMBER 2022 TO 31ST AUGUST, 2023)

DEPARTMENT OF GEOGRAPHY

The Department of Geography organized one field Survey to Dooars particularly in Totopara, Madarihat for the fulfillment of partial requirement of B.Sc 5th and 6th semester examinations, 2023. A field report has been prepared on socio-economic survey at Totopara for semester 5 and one field report prepared on Flood in Madarihat for semester 6. Duration for this field survey was 11th December 2022 to 15th December, 2023. Relevant documents given below:



Estd. -1944

Banwarilal Bhalotia College

Constituent College of the Kazi Nazrul University

Govt. Sponsored (U.G & P.G.)

COLLEGES WITH POTENTIAL FOR EXCELLENCE

Asansol-713303, West Bengal (India)

☎(0341)2274842, 2275414

☎IGNOU: 2274563,

☎NSOU: 2274250

Fax: (0341)2274529

DEPARTMENT OF GEOGRAPHY

To

Date: 13/09/2022

Principal,

Banwarilal Bhalotia College,

Paschim Bardhaman, Asansol-713303

Sub: Permit of field survey to Totopara, Madarihat West Bengal from 11th December to 15th December, 2022 of Geography Department

Sir,

This is to inform you that Department of Geography of Banwarilal Bhalotia College; Asansol has organized one field survey to TOTOPARA, Madarihat from 11.12.2022 to 15.12.2022. As a part of their UG semester V (BSCHGEOC502) and VI (BSCHGEOC602) syllabus under Kazi Nazrul University, they will perform a socio-economic survey and a survey on effect of flood in Madarihat for the fulfillment of their course. Therefore, I will be highly obliged if you grant my prayer and permit us for this field survey to Totopara, Madarihat.

Student list attached here. Thanking you.

Sincerely Yours,

(Dr Chandana Singha)

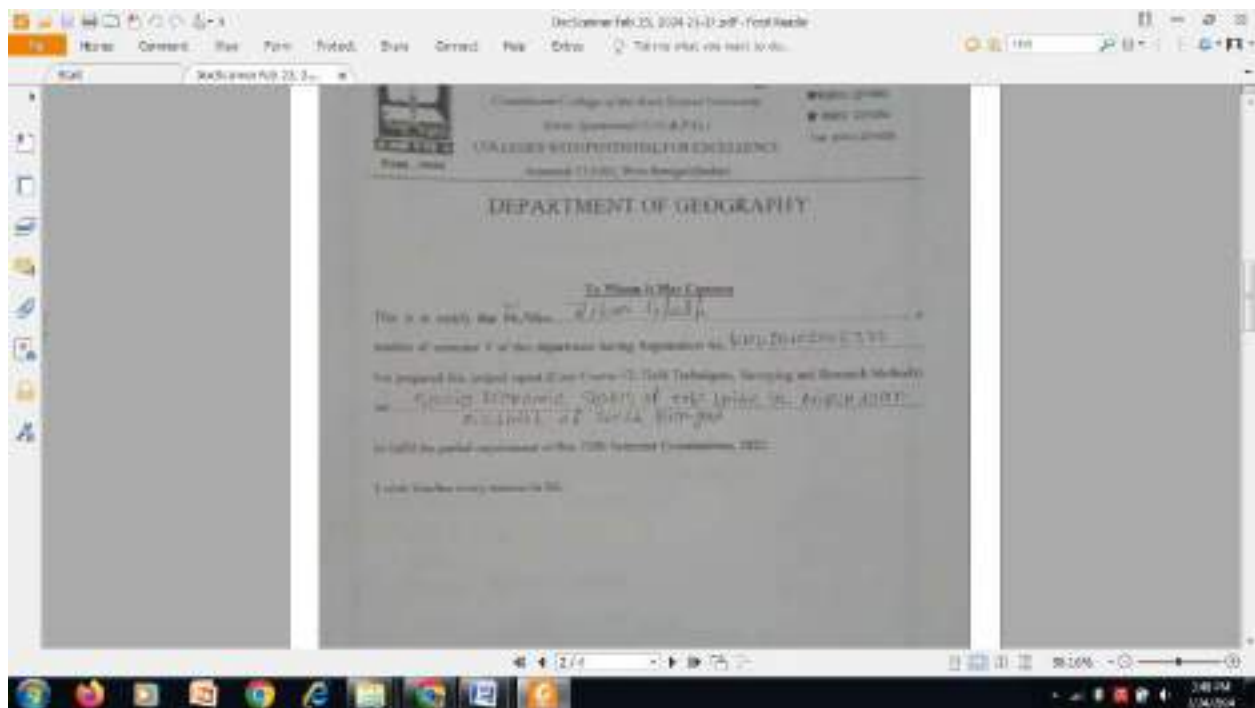
Head

Department of Geography

Banwarilal Bhalotia College, Asansol

The details of the students and faculties are given below:

SI No	Student Name	SI No	Student Name
1	BAISAKHI GHOSH	28	SUSMITA DUTTA
2	BRISHTI PAL	29	GOURAB PAUL
3	DEBDUYTI ROY	30	GOUTAM DASGUPTA
4	DEEPA KORA	31	JIBAN GHOSH
5	DISHA BHATTACHARJEE	32	JOYDIP KUMBHAKAR
6	ESHA THAKUR	33	KARTIK PAL
7	IPSITA ROY	34	NITISH ROY
8	ISHITA BANERJEE	35	PARASH MONDAL
9	MAGHA MONDAL	36	PRATAP MONDAL
10	MUNMUN NANDI	37	SHOUVIK KARMAKAR
11	NANDITA DAS	38	SIB SANKAR ROY
12	NILANJANA ROY	39	SOUBHIK DAS
13	NISHA BAURI	40	SUBRATA DEY
14	PAYAL MONDAL	41	TUHIN MAZUMDAR
15	PAYAL PAUL		
16	PAYEL PAUL		
17	PRIYA GANDHI		
18	PRIYANKA SENGUPTA		
19	SANGITA CHATTARAJ		
20	SANGITA KORA		
21	SANGITA SHARMA		
22	SARNASREE GORAI		
23	SAYANI MAJI		
24	SHRAYASI BANERJEE		
			Faculty Details
		1	Dr. Chandana Singha
25	SHREETOMA SADHU	2	Madhumita Mondal
26	SUMANA PAL	3	Sayantani Roy
27	SUPRIYA BOURI	4	Swarup Sutradhar





Banwarilal Bhalotia College

Government College of the Kalya Nagari University

Formerly Sponsored by G. G. S. S. C.

COLLEGES WITH POTENTIAL FOR EXCELLENCE

Asansol-713003, West Bengal (India)

Phone: 0341-2274401, 2274404

Mobile: 9874661

WhatsApp: 9874661

Fax: 0341-2274402

Estab. -1944

DEPARTMENT OF GEOGRAPHY

To Whom It May Concern

This is to certify that Mr. IBHAN GHOSH, a student of semester VI of this department having Registration No. KNE/20100005188 has prepared this project report (Core Course-14: Disaster Management Project Work) on FLOOD HAZARDS IN MAJMUHAT DEEPARA BLOCK OF ALIPURDUAR DISTRICT to fulfil the partial requirement of Hsc. Sixth Semester Examinations, 2023.

I wish him/her every success in life.

Dated the 27th MAY, 2023

Head of the Department

Head
Department of Geography
B. B. College, Asansol

KAZI NAZRUL UNIVERSITY



PROJECT REPORT

ON

*FLOOD HAZARDS IN MADARIHAT-BIRPARA BLOCK OF
ALIPURDUAR DISTRICT*



SUBMITTED BY

JIBAN GHOSH

REGISTRATION NO: KNU20102005388

DEPARTMENT OF GEOGRAPHY

BANWARILAL BHALOTIA COLLEGE

USHAGRAM ASANSOL-713303

KAZI NAZRUL UNIVERSITY



A Project Report On

**"FLOOD HAZARDS IN MADARIHAT-BIRBARA BLOCK OF
ALIPURDUAR DISTRICT, WEST BENGAL"**

**SUBMITTED IN THE PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE AWARD OF THE DEGREE OF
BACHELOR IN SCIENCE IN GEOGRAPHY**

Submitted By

JIBAN GHOSH

Registration No. - KNU20102005388

Under the Guidance of :

Dr. CHANDANA SINGHA

Assistant Professor & Head

DEPARTMENT OF GEOGRAPHY

BANWARILAL BHALOTIA COLLEGE

ASANSOL - 713303

2022 - 2023

KAZI NAZRUL UNIVERSITY



A Project Report On

**"FLOOD HAZARDS IN MADARIHAT-BIRBARA BLOCK OF
ALIPURDUAR DISTRICT, WEST BENGAL"**

**SUBMITTED IN THE PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE AWARD OF THE DEGREE OF
BACHELOR IN SCIENCE IN GEOGRAPHY**

Submitted By

SUPRIYA BOURI

Registration No.- KNU20102005595

Roll No. - 1022006122018046

Under the Guidance of :

Dr. CHANDANA SINGHA

Assistant Professor & Head

DEPARTMENT OF GEOGRAPHY

BANWARILAL BHALOTIA COLLEGE

ASANSOL - 713303

2022 - 2023

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE



FLOOD HAZARDS IN MADARIHAT-BIRPARA BLOCK OF ALIPURDUAR DISTRICT

REGISTRATION NO- *KNU20102005595*

SEMESTER- *(VI)*

**COURSE NAME- *Disaster Management Project
Work***

COURSE CODE- *BSCHGEOC602*

SESSION- *2020-23*

DATE OF SUBMISSION- *27/05/23*

CERTIFIED BY



Banwarilal Bhalotia College

Constituent College of the Kazi Nazrul University

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Asansol-713203, West Bengal (India)

Estb. -1944

☎ 0341-2274442, 2275414

☎ 0341-2274905

☎ 142011-2274010

Fax: 0341-2274520

DEPARTMENT OF GEOGRAPHY

To Whom It May Concern

This is to certify that Mr. SUPRIYA BOURI ... a student of semester-VI of this Department having Registration No. ... KNU/20102005595 ... has prepared this project report (Course-14: Disaster Management Project Work) on FLOOD HAZARD IN MADARHAT, BIRPARA BLOCK OF ALIPURDUAR DISTRICT

to fulfill the partial requirement of B.Sc. Sixth Semester Examinations, 2023.

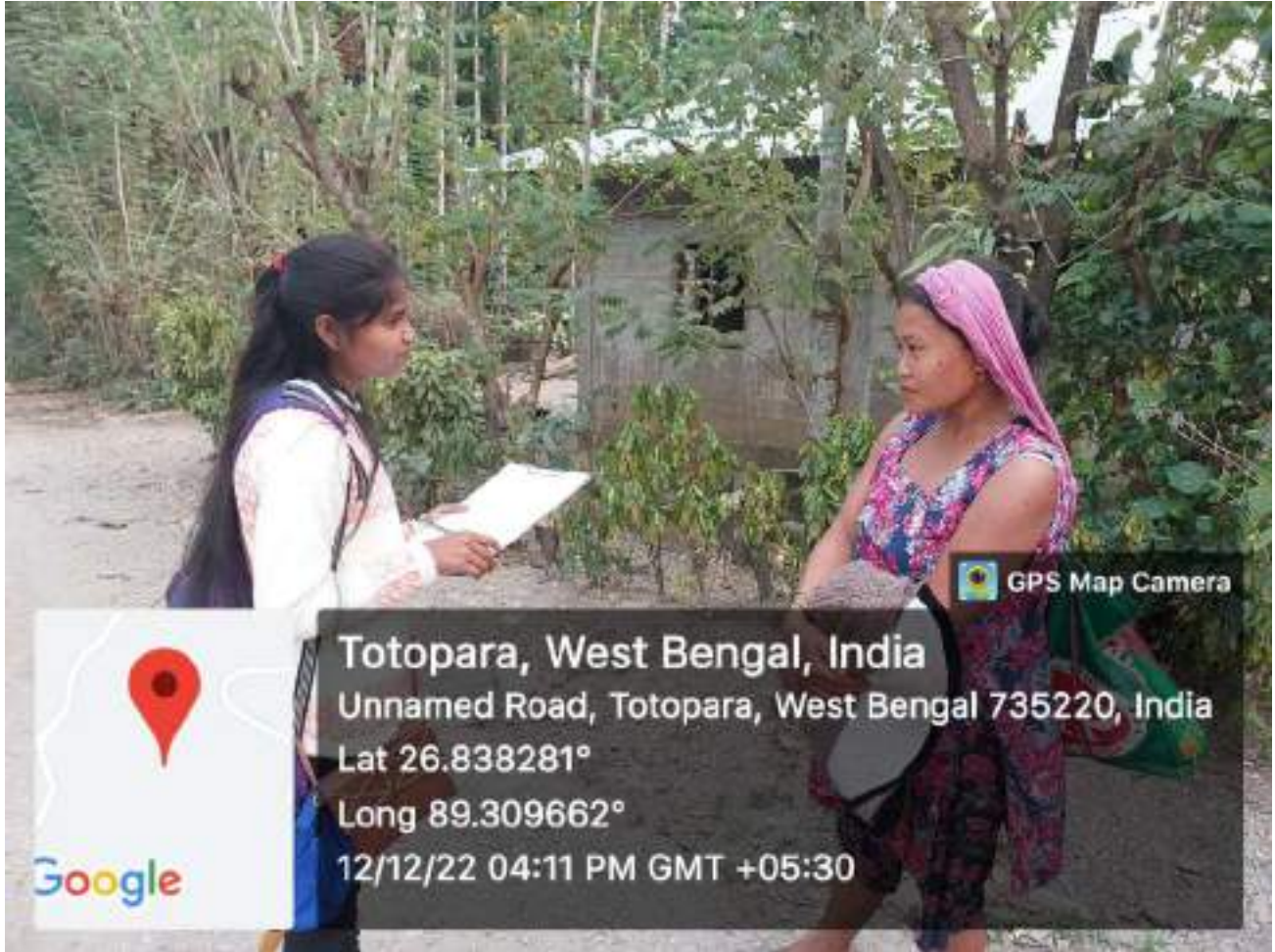
I wish him/her every success in life.

Angla 27/05/23

Dated the 27th May, 2023

Head of the Department

Head
Department of Geography
B. B. College, Asansol



GPS Map Camera



Totopara, West Bengal, India
Unnamed Road, Totopara, West Bengal 735220, India
Lat 26.838281°
Long 89.309662°
12/12/22 04:11 PM GMT +05:30



Totopara, West Bengal, India

R8P5+723, Totopara Rd, Totopara, West Bengal 735220, India

Lat 26.835708°

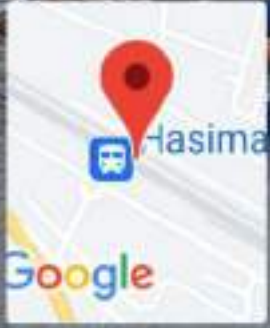
Long 89.307495°

12/12/22 03:47 PM GMT +05:30

GPS Map Camera



GPS Map Camera



Hasimara, West Bengal, India
Hasimara, Hasimara, West Bengal 735214, India
Lat 26.72687°
Long 89.347551°
12/12/22 12:21 PM GMT +05:30



GPS Map Camera



Totopara, West Bengal, India

Unnamed Road, Totopara, West Bengal 735220, India

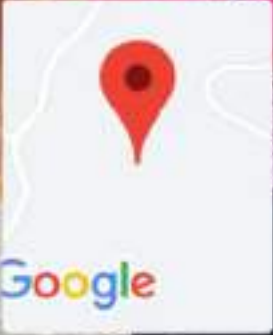
Lat 26.83828°

Long 89.309673°

12/12/22 04:11 PM GMT +05:30



GPS Map Camera



Totopara, West Bengal, India

Unnamed Road, Totopara, West Bengal 735220, India

Lat 26.838324°

Long 89.309582°

12/12/22 04:19 PM GMT +05:30



 GPS Map Camera



Totopara, West Bengal, India

R8P4+9R9, Totopara Rd, Totopara, West Bengal

735220, India

Lat 26.837884°

Long 89.308014°

12/12/22 04:33 PM GMT +05:30



GPS Map Camera



Totopara, West Bengal, India
Unnamed Road, Totopara, West Bengal 735220, India
Lat 26.838324°
Long 89.309582°
12/12/22 04:19 PM GMT +05:30

Soil Survey at Dangmejia, Bankura on 6th April, 2023



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☎ NSOU:2274250

Fax: (0341)2274529

DEPARTMENT OF GEOGRAPHY

To

Date: 27/03/2023

Principal,

Banwarilal Bhalotia College,

Paschim Bardhaman, Asansol-713303

Sub: Permit of field survey to Dangmejia, Bankura, West Bengal on 6th April, 2023 of Geography Department

Sir,

This is to inform you that Department of Geography of Banwarilal Bhalotia College, Asansol has organized one field survey on Agricultural Productivity as a part of semester VI (DSE 4: BSCHGEODSE05) syllabus to Dang Mejia Village, Bankura District on 6th April, 2023. Therefore, I will be highly obliged if you grant my prayer and permit us for this field survey to Dangmejia, Bankura District.

Student list attached here. Thanking you.

Sincerely Yours,

(Dr Chandana Singha)

Head

Department of Geography

Banwarilal Bhalotia College, Asansol

Sl No	Student Name	Sl No	Student Name
1	BAISAKHI GHOSH	28	SUSMITA DUTTA
2	BRISHTI PAL	29	GOURAB PAUL
3	DEBDUYTI ROY	30	GOUTAM DASGUPTA
4	DEEPA KORA	31	JIBAN GHOSH
5	DISHA BHATTACHARJEE	32	JOYDIP KUMBHAKAR
6	ESHA THAKUR	33	KARTIK PAL
7	IPSITA ROY	34	NTISH ROY
8	ISHITA BANERJEE	35	PARASH MONDAL
9	MAGHA MONDAL	36	PRATAP MONDAL
10	MUNMUN NANDI	37	SHOUVIK KARMAKAR
11	NANDITA DAS	38	SIB SANKAR ROY
12	NILANJANA ROY	39	SOUBHIK DAS
13	NISHA BAURI	40	SUBRATA DEY
14	PAYAL MONDAL	41	TUHIN MAZUMDAR
15	PAYAL PAUL	42	PRITI GHOSH
16	PAYEL PAUL	43	PAYEL PAUL
17	PRIYA GANDHI	44	RAHUL BHANDARI
18	PRIYANKA SENGUPTA	45	KUMKUM BAURI
19	SANGITA CHATTARAJ		
20	SANGITA KORA		
21	SANGITA SHARMA		
22	SARNASREE GORAI		
23	SAYANI MAJI		
24	SHRAYASI BANERJEE		
			Faculty Details
		1	Dr. Chandana Singha
25	SHREETOMA SADHU	2	Madhumita Mondal
26	SUMANA PAL	3	Disha Sengupta
		4	Sayantani Roy
27	SUPRIYA BOURI	5	Swarup Sutradhar

KAZI NAZRUL UNIVERSITY



INTERNAL ASSIGNMENT FOR SEMESTER - VI,
DSEC - 04 EXAMINATION, 2023

ASSIGNMENT ON FERTILITY IMPROVEMENT METHODS BASED ON THE SURVEY
OF A RURAL MOUZA (DANG MEJIA, BANKURA)



SUBMITTED BY

PRIYANKA SENGUPTA

REGISTRATION NO. : KNU20102005125

SESSION : 2020 - 2021

DEPARTMENT OF GEOGRAPHY

BANWARILAL BHALOTIA COLLEGE

USHAGRAM, ASANSOL - 713303

ACKNOWLEDGEMENT

The success and final outcome of this assignment required a lot of guidance and assistance from many sources and I am extremely privileged to have got the guidance all along the completion of my assignment.

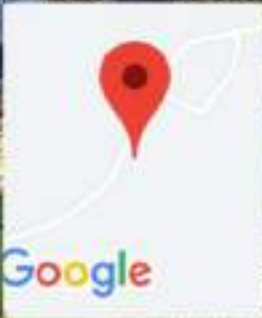
I respect and thank to Dr. Chandna Singh, head of the department and other faculties, Mrs. Madhumita Mondal, Mrs. Dishu Sengupta, Mrs. Sanyantani Mondal and Mr. Suvarip Subrahman for their guidance, valuable suggestions and encouragement for completing my report.

Date: 23/05/2023

Priyanka Sengupta
Name of the Student



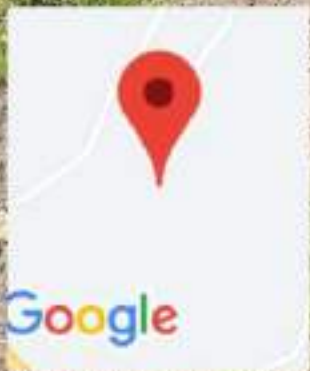
GPS Map Camera



Bankura, West Bengal, India
G4WC+VVQ, West Bengal 722143, India
Lat 23.545816°
Long 87.120761°
06/04/23 10:13 AM GMT +05:30



GPS Map Camera



Bharra, West Bengal, India

G4VF+G7P, Bharra, West Bengal 722143, India

Lat 23.54507°

Long 87.121312°

06/04/23 10:57 AM GMT +05:30



Bharra, West Bengal, India
G4VF+G7P, Bharra, West Bengal 722143, India
Lat 23.545077°
Long 87.121409°
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GPS Map Camera



GPS Map Camera



Bankura, West Bengal, India
G4WC+VVQ, West Bengal 722143, India
Lat 23.545823°
Long 87.120761°
06/04/23 10:16 AM GMT +05:30



GPS Map Camera



Bharra, West Bengal, India
G4VF+G7P, Bharra, West Bengal 722143, India
Lat 23.545084°
Long 87.121309°
06/04/23 10:56 AM GMT +05:30



GPS Map Camera



Bankura, West Bengal, India
G4WC+VVQ, West Bengal 722143, India
Lat 23.545824°
Long 87.120755°
06/04/23 10:15 AM GMT +05:30

Links of project report

https://drive.google.com/drive/folders/1oiadempo8rXfPGCtIGiasWybhR7nCEZT?usp=drive_link

[https://drive.google.com/drive/folders/1sCLnvkEPycWpkaYTNAqdYQCSk-EDAzOL?usp=drive link](https://drive.google.com/drive/folders/1sCLnvkEPycWpkaYTNAqdYQCSk-EDAzOL?usp=drive_link)

Project work on Microbiology of social importance

Course curriculum

- Sample collection
- Physico-chemical test of water sample
- Biological properties of water (MPN)
- Isolation of bacteria from different water sources
- Biochemical test
 - IMVIC
 - Catalase
- Antibiotic resistance test (by agar cup assay method)



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**PHYSIOCHEMICAL AND BIOCHEMICAL ASSESMENT OF
HOSPITAL WASTE WATER AT URBAN AREA OF PASCHIM
BARDHAMAN, W.B, INDIA**

Semester VI-Examination – 2023

By

GOURAB MONDAL

KNU20102005868 of 2020-21

Under the supervision of Sudeshna mitra

Department of Microbiology

Banwarilal bhalotia College, Asansol- 713303



Estd. -1944

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☎ IGNOU: 2274563

☎ NSOU: 2274250

Fax: (0341) 2274529

Department of Microbiology

CERTIFICATE

This is to certify that **Mr. Gourab Mondal**, a student of B.Sc. (Hons.), 6th Semester, Dept. Of Microbiology, B. B. College (Asansol), affiliated to Kazi Nazrul University has successfully completed his project work titled "**PHYSIOCHEMICAL AND BIOCHEMICAL ASSESMENT OF HOSPITAL WASTE WATER AT URBAN AREA OF PASCHIM BARDHAMAN, W.B, INDIA**" for partial completion of B.Sc. (Hons.) in Microbiology under my supervision as Project supervisor at Dept. of Microbiology, B.B. College, Asansol.

Sudeshna Mitra
28/5/23

Project Supervisor

Department of Microbiology

B.B.College, Asansol-03



Banwarilal Bhalotia College



WATER QUALITY ASSESSMENT OF MUNICIPAL WATER

SUBMITTED FOR PARTIAL COMPLETION OF B.SC (HONS.) IN MICROBIOLOGY
SEMESTER VI EXAMINATION - 2023

BY

SAZMA SHAHAR

REG- KNU20102004459, SESSION- 2020-2023

UNDER THE SUPERVISION OF MRS. SANGHAMITA DAS GUPTA
DEPT. OF MICROBIOLOGY

BANWARILAL BHALOTIA COLLEGE, ASANSOL



Estd. -1944

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☎ IGNOU - 2274963,

☎ NGOU - 2274250

Fax: (0341)2274529

This is to certify that Ms. **SAZMA SHAHAR**, a student of B.Sc. (Hons.), 6th Semester, Dept. Of Microbiology, B. B. College (Asansol), affiliated to Kazi Nazrul University has successfully completed her project work titled "**WATER QUALITY ASSESSMENT OF MUNICIPAL WATER**" for partial completion of B.Sc. (Hons.) in Microbiology under my supervision as Project supervisor at Dept. of Microbiology, B.B. College, Asansol.

Sanghamita Dasgupta
09/06/23
Project Supervisor

Department Of Microbiology

B.B.College, Asansol-03





Banwarilal Bhalotia College

Constituent College of the KAZI NAZRUL UNIVERSITY, Asansol
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Qualitative Assay and Bacterial Isolation, Characterization of Water Sample
Collected from Railway Track

Submitted for Partial Completion of B.Sc. (Hons.) in Microbiology

Semester VI Examination - 2023

BY

Saria Amrin

Registration no.- KNU20102004676 , Session -2020 -2021

Under the Supervision of Ms. Monami Mondal

Department of Microbiology

Banwarilal Bhalotia College, Ushagram, Asansol- 713303



Estd. -1944

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☎ (0341)2274442, 2275414

☎ IGNOU: 2274563

☎ NSOU: 2274250

☎ Fax: (0341)2274529

Department of Microbiology

CERTIFICATE

This is to certify that **Saria Amrin**, a student of B.Sc. (Hons.), 6th Semester, Dept. Of Microbiology, B. B. College (Asansol), affiliated to Kazi Nazrul University has successfully completed her project work titled "**Qualitative Analysis and Bacterial Isolation, Characterization of Water Sample Collected from Railway Track**" for partial completion of B.Sc. (Hons.) in Microbiology under my supervision as Project supervisor at Dept. of Microbiology, B.B. College, Asansol.

Monami Mondal
09/06/23

Project Supervisor

Department of Microbiology

B. B. College, Asansol-03



POND WATER QUALITY ASSESSMENT

Submitted for partial completion of B.Sc (Hons.) in Microbiology

Semester VI examination – 2023

by

Sehba Ghaffar Mallick

KNU20102005511 of 2020-21

Under the supervision of Dr. Mahua Sinha Chakraborty

Dept. of Microbiology

Banwarilal Bhalotia College, Asansol- 713303



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☎ (0341) 2274842, 2275414

☎ IGNOU 2274583

☎ NSOU 2274250

☎ (0341) 2274529

Department of Microbiology

CERTIFICATE

This is to certify that Ms. Sehba Ghaffar Mallick, a student of B.Sc. (Hons.), 6th Semester, Dept. Of Microbiology, B. B. College (Asansol), affiliated to Kazi Nazrul University has successfully completed her project work titled "Pond Water Quality Assessment" for partial completion of B.Sc. (Hons.) in Microbiology under my supervision as Project supervisor at Dept. of Microbiology, B.B. College, Asansol.

Mahua Seha Chakraborty
Project Supervisor

Department of Microbiology

B.B.College, Asansol-03



Banwarilal Bhalotia College, Asansol

Department of Business Administration

BBA Final Semester Project Overview

In the final semester of the BBA program, students are required to submit a project report as part of their curriculum. They have the option to choose two specializations out of Marketing, Finance and HRM. Each student is assigned a project guide from the faculty members, providing mentorship and guidance throughout the project duration. In 2023, there were a total of 86 students, and a comprehensive list detailing their names and allocated projects has been provided.

Enclosures:

- 1) Syllabus
- 2) Students List.

BBA CBCS (LOCF)

Kazi Nazrul University

BBA: 6th Semester

Course Title	Course Type	(L-T-P)	Credit	Marks
Project Work	C-13	5-1-0	6	100
Grand Viva	C-14	5-1-0	6	100
Any two from Group B (Given Below)	DSE-3	5-1-0	6	100
DSE Group B	DSE-4	5-1-0	6	100
Entrepreneurship Development	BBADSE601	5 - 1 - 0		
Cost and Management Accounting	BBADSE602	5 - 1 - 0		
Marketing of Services	BBADSE603	5 - 1 - 0		
Human Resource Development	BBADSE604	5 - 1 - 0		
Database Management System	BBADSE605	5 - 1 - 0		
SEMESTER TOTAL			24	400
GRAND TOTAL			148	2400

BBA CBCS (LOCF) Kazi Nazrul University 66 **BBA (6TH SEMESTER)**

Course Name: Project work

Course Code: BBAC601; Course Type: Core; Course Details: CC-13

L-T-P: 0 -0 -12; Course Credit: 6

Marks: Theory [100]: Continuous Assessment-60 & End Semester Examination-40

Course Objective

To understand the concept of an organization's functions where theoretical knowledge can be made applicable and provide hands on experience.

Learning Outcomes

After completing the course, the student shall be able to:

1. Implement theoretical knowledge in the organizational context and gain practical experience.

Assessment Methods

Internal Examination (40 Marks): Internal Assessment may be conducted by using any one or in combinations of Presentation, Project Writing and Presentation, Assignment and Presentation.

External Examination (40 Marks): End Semester Project presentation

Course Name: Grand Viva and Seminar Talk

Course Code: BBAC602; Course Type: Core; Course Details: CC-14

L-T-P: 0 -0 -12; Course Credit: 6

Marks: Theory [100]: Continuous Assessment-60 & End Semester Examination-40

Course Objective

To understand the concept of presentation and public speaking, and to get accustomed with the presentation skills of project.

B. B. College, Asansol
Department of Business Administration

Date: 07.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Mohammad Tauseef Ashraf** has successfully completed the academic project on "**Career Planning & Development**" for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

His Registration No. **KNU20102004699 of 2020-2021**.

He has done the original project work on the above subject for completing the academic project.

I wish him all success in his professional endeavour.

Souvik Dutta
07/06/23

(Dr. Souvik Dutta)
Project Guide
Department of Business Administration
B. B. College, Asansol



एक ही परिवार - एक ही भविष्य
ONE EARTH - ONE FAMILY - ONE FUTURE



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EASTERN COALFIELDS LIMITED

(A subsidiary of Coal India Limited)

Office of General Manager (HRD)

HRD Department, P.O.: Dishergarh,

Dist.-Paschim Bardhaman, West Bengal-713333

CIN-U10101WB1975GOI030295

Email: hodhrd.eci@gmail.com

Ref. No. ECL/HRD/DIS/2023/68

Date: 03.05.2023

CERTIFICATE

This is to certify that, **Mohammad Tauseef Ashraf** a student of BBA of Banwarilal Bhalotia College, Asansol has successfully completed Internship Training at P & IR Department, ECL, HQ from 20-03-2023 to 19-04-2023 (Except Sundays/Holidays). as certified by concerned unit/ Establishment.

His performance during the training period was very good.
This certificate is being issued for academic purpose only.

Copy to:

Principal,
Banwarilal Bhalotia College, Asansol.

Boh
HOD (HRD)
3/5/23
विभागाध्यक्ष (मानवसंसाधन)
HOD (HRD)
ईश्वरीबाईरानो डिसेंरगढ़
ECL, DISHERGARH
जिला-बर्दमान (पश्चिम)
Dist. Bardhaman (W.B.)

B. B. College, Asansol
Department of Business Administration

Date: 07.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Kumari Ria Sharma** has successfully completed the academic project on **"Recruitment & Selection"** for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

Her Registration No. **KNU20102006525 of 2020-2021.**

She has done the original project work on the above subject for completing the academic project.

I wish her all success in her professional endeavour.

Souvik Dutta
08/06/23

(Dr. Souvik Dutta)
Project Guide

Department of Business Administration
B. B. College, Asansol



B. B. College, Asansol
Department of Business Administration

Date: 07.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Md. Aspak Hussain** has successfully completed the academic project on **"Sales Management At KGN Automobiles - Royal Enfield"** for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

His Registration No. **KNU20102006385 of 2020-2021**.

He has done the original project work on the above subject for completing the academic project.

I wish him all success in his professional endeavour.

Partha Ghosh 7/6/2023

(Mr. Partha Ghosh)

Project Guide

Department of Business Administration

B. B. College, Asansol



B. B. College, Asansol
Department of Business Administration

Date: 06.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Himanshu Kumar Tanty** has successfully completed the academic project on "**Human Resource Development**" for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

His Registration No. **KNU20102005048 of 2020-2021.**

He has done the original project work on the above subject for completing the academic project.

I wish him all success in his professional endeavour.

Souvik Dutta
06/06/2023

(Dr. Souvik Dutta)
Project Guide

Department of Business Administration
B. B. College, Asansol



B. B. College, Asansol
Department of Business Administration

Date: 01.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Priya Acharjee** has successfully completed the academic project on "**Study of Financial Statement Using Ratio Analysis**" for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

Her Registration No. **KNU20102004949 of 2020-2021**.

She has done the original project work on the above subject for completing the academic project.

I wish her all success in her professional endeavour.

G Hazra, 01.06.2023

(Mr. Gunamoy Hazra)

Project Guide

Department of Business Administration

B. B. College, Asansol



B. B. College, Asansol
Department of Business Administration

Date: 01.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Aarti Shaw** has successfully completed the academic project on "**Working Capital**" for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

Her Registration No. **KNU20102004867 of 2020-2021.**

She has done the original project work on the above subject for completing the academic project.

I wish her all success in her professional endeavour.

G+H → ✓ 01.06.23

(Mr. Gunamoy Hazra)

Project Guide

Department of Business Administration

B. B. College, Asansol



B. B. College, Asansol
Department of Business Administration

Date: 05.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Rohit Giri** has successfully completed the academic project on "**Brand Awareness**" for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

His Registration No. **KNU20102005186 of 2020-2021.**

He has done the original project work on the above subject for completing the academic project.

I wish him all success in his professional endeavour.

Partha Ghosh
(Mr. Partha Ghosh) 6/6/2023
Project Guide

Department of Business Administration
B. B. College, Asansol



B. B. College, Asansol
Department of Business Administration

Date: 07.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Akash Kumar Singh** has successfully completed the academic project on "**A Project Report On Marketing & Sales In Yamaha At Mahesh Motors**" for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

His Registration No. **KNU20102006281 of 2020-2021**.

He has done the original project work on the above subject for completing the academic project.

I wish him all success in his professional endeavour.

Buddha Prasad Ghatak
(Mr. Buddha Prasad Ghatak) 7/6/23
Project Guide
Department of Business Administration
B. B. College, Asansol



DECLARATION AND ACCEPTANCE

Date - 30/05/2023

hereby certify that

I Sabharu Raiheman
the project entitled,

is an authentic record of my own work carried out under the supervision of

Mr. Buddha Prasad Ghatak, Faculty Member, Department of Business
Administration, B. B. College, Asansol.

I also declare that the project has not been submitted for the award of any other
degree or diploma by me.

KNU-REGISTRATION No. - KNU20102006522

On the basis of the above statement made by the candidate the project report is
accepted.

Buddha Prasad Ghatak
30/05/2023
Mr. Buddha Prasad Ghatak
Project Guide and Faculty Member
Department of Business Administration
B. B. College, Asansol.



B. B. College, Asansol
Department of Business Administration

Date: 02.06.2023

Certificate of Completion of The Academic Project For
BBA Semester-VI Examination, 2023

This is to certify that **Prerana Dasgupta** has successfully completed the academic project on "**Ratio Analysis**" for the partial fulfilment of the BBA Programme under Kazi Nazrul University.

Her Registration No. **KNU20102005481 of 2020-2021.**

She has done the original project work on the above subject for completing the academic project.

I wish her all success in her professional endeavour.

G Hazra. 05/06/23

(Mr. Gunamoy Hazra)
Project Guide

Department of Business Administration
B. B. College, Asansol



Banwarilal Bhalotia College, Asansol

Department of Computer Application

BCA Final Semester Project Overview

In the final semester of the BCA program, students are required to submit a project report as part of their curriculum. They have the option to create a GROUP and undertake the PROJECT (Topic of which is sometime mentioned by the University). Each Group is assigned a project guide from the faculty members, providing mentorship and guidance throughout the project duration. In 2023, there were a total of 86 students, and a comprehensive list detailing their names and allocated projects has been provided.

Enclosures:

- 1) Syllabus
- 2) Students List.

Course Name: Major Project

Course Code: BCAC602

CourseType: Core (Practical)	Course Details: CC-14		L-T-P: 0-0-12		
Credit: 6	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		60	40

Course Content:

Practical

It is desirable that project report should be on an Industry/Organization using the tools learned in the BCA LOCF curriculum for the session 2021-2024. The report should be prepared as per Kazi Nazrul University project template.

Internal Evaluation: Project Report (30 marks), Demonstration (20 marks) and Viva voce (10 marks).

End Semester Evaluation: Presentation (20marks) and Vivavoce (20marks).

HOSPITAL MANAGEMENT SYSTEM

A Project Report

By

Rohit Kumar singh (Roll no: 1020612500100025)

Sayan Khutia (Roll no: 1020612500100027)

Shuvadeep Chatterjee (Roll no: 1020612500100028)

Sudhir Kumar (Roll no: 1020612500100036)

Suman Banerjee (Roll no: 1020612500100060)

To



Kazi Nazrul University

Under Guidance Of
Prof. Prosenjit Chattopadhyay

BCA (Department of Computer Application)

Roll No. : **1020612500100058 / 1020612500100018**

REG NO. : **102171250058 / 102071250018**

Of

BB COLLEGE

ACKNOWLEDGEMENT

Apart from our efforts, the success of any project depend largely on the encouragement and guidelines of many other. We take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this project.

We are highly indebted to my project mentor “ **PROSENJIT**

CHATTOPADHYAY ” for his guidance and constant supervision as well as for

providing necessary information regarding the project & also for his support in completing the project.

We would like to express my gratitude towards our parents & our College Teachers for their kind co-operation and encouragement which help us in completion of this project.

BANWARILAL BHALOTIA COLLEGE

KAZI NAZRUL UNIVERSITY

ASANSOL - 713303

Project Report On

Online Doctor's Appointment

Internal Guided by

Prof. PROSENJIT CHATT OPADHYAY

Presented By

JAGADISH PAUL

Roll No. : 1020612500100018

Reg No. : 102171250018

**Paper Code:
BCAH605**

SOURAV SINGH

Roll No. : 1020612500100058

Reg No. : 102171250058

RESTAURANT MANAGEMENT SYSTEM WITH PYTHON & MYSQL

A Project Report Submitted in partial fulfillment of the degree of

BACHELOR OF COMPUTER APPLICATION

By

DEBPRIYA GANGULY(KNU19102004218)

NILESH GUPTA(KNU19102002883)

SWARUP PATRA(KNU19102004166)

ARPAN GORAI(KNU19102003894)

ARUP BAKSHI(KNU19102003148)



Department of Computer Application

Banwarilal Bhalotia College, Ushagram

Asansol-713303, India

MAY, 2022



CERTIFICATE

This is to certify that the Project Report entitled “**RESTAURANT MANAGEMENT SYSTEM WITH PYTHON & MYSQL LINKING**” submitted by **Debpriya Ganguly** bearing Reg no KNU19102004218, **Nilesh Gupta** bearing Reg no KNU19102002883, **Swarup Patra** bearing Reg no KNU19102004166, **Arpan Gorai** bearing Reg no KNU19102003894 and **Arup Bakshi** bearing Reg no KNU19102003148 in partial fulfillment of the requirements for the award of Bachelor of Computer Applications, is a Bonafede work carried out by them under my/our supervision and guidance.

The Project Report has not been submitted previously in part or in full to this or any other university or institution for the award of any degree or diploma.

PROSENJIT CHATTERJEE
Dept of Computer Application
Banwarilal Bhalotia College



Banwarilal Bhalotia College

Constituent College of the KAZI NAZRUL UNIVERSITY, Asansol
(GOVT. SPONSORED U. G. & P. G. College)

LAB REPORT ON

INTERNET TECHNOLOGY

NAME : KOWSHIK KARMAKAR

REG.NO : KNU20102004682

SESSION : 2020-21

SEMESTER : 5th SEMESTER

ESTD. 1944

subject
15.12.22

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE

MINOR PROJECT ON INTERNET TECHNOLOGIES

NAME - SANKHA SUBHRA SAHA

SUBJECT - INTERNET TECHNOLOGIES

REG NO. - KNU20102006259

ROLL NO. -

SESSION - 2021-22

Saha
15.12.22

MINNOR PROJECT ON
WEB
PROGRAMMING

COMPILED BY:-

NAME - PUSHPAL SARKAR

REG NO - KNU20102005860

mafee
15.12.22

KAZI NAZRUL UNIVERSITY
BANWARILAL BHALOTIA COLLEGE
ASANSOL

Web Programming Lab
(HTML & CSS)
Assignment



Submitted by:
Bishal Rooj
Reg No. :- KNU20102004641
Semester :- V
Sub :- Internet Technologies
Department of Computer Science
Session: 2022

smjee
15.12.22

MINNOR PROJECT ON WEB
PROGRAMMING

COMPILED BY:-

NAME - HRITHIK BAJPAI

REG NO - KNU20102004670

smoje e
15.12.22



*BANWARILAL BHAILOTTA
COLLEGE, ASANSOL*

Lab Report on Internet Technologies

Name: Aniket Paul

Roll No.: DSH-438/20

Registration Number: KNU20162004639

University Roll No.: 1022004122011004

Semester: 5th Semester (2020-2021 Batch)

*smylee
15.12.22*

KAZI NAZRUL UNIVERSITY

BANWARILAL BHALOTIA COLLEGE

ASANSOL

(HTML & CSS)

ASSIGNMENT



Name :- Rana Dawn

Reg No.: KNU20102004993

Department of Computer Science

Semester: V

Session: 2020-2021

*Smt. c
15.12.22*



KAZI NAZRUL UNIVERSITY
BANWARILAL BHALOTIA COLLEGE



ASSIGNMENT ON

INTERNET TECHNOLOGIES

TOPIC- REGISTRATION PAGE.

NAME - DEBOPRIYO SARKAR
COURSE - B.SC(HONS)COMP.SC.
REG NO. - KNU20102004675
ROLL NO. -
SESSION - 2020-23

*smjee
15.12.22*

KAZI NAZRUL UNIVERSITY

**BANWARILAL BHALOTIA
COLLEGE**

ASANSOL

Lab Notebook

ON

INTERNET-TECHNOLOGY

TOPIC:- LOGIN & SIGNUP using

HTML, CSS, JS, PHP, MYSQL

2020-2021

NAME:-PUNAM KUMARI

REG. NO.:-KNU20102005619

DEPARTMENT of

COMPUTER SCIENCE

*subject
15.12.22*

KAZI NAZRUL UNIVERSITY

BANWARILAL BHALOTIA COLLEGE



ASSIGNMENT

IN

INTERNET TECHNOLOGIES

NAME - ANISH CHAR

REG. NO. - KNU20102006449

DEPARTMENT - COMPUTER SCIENCE

SEM - V

SESSION - 2020-2023

*Shafiq
15.12.22*

Kazi Nazrul
University
Banwarilal Bhalotia College
Asansol

Minor Project
On
Login page
Session: 2020-2021

Name : Arpita Maji

Registration no. : KNU20102005154

Roll no. :

Arpita Maji
15.12.22



KAZI NAZRUL UNIVERSITY

BANWARILAL BHALOTIA COLLEGE

LABORATORY NOTEBOOK

ON

Web Programming
(Internet Technologies)

SESSION: 2022 - 2023

AMAN KUMAR GUPTA

REG. NO.: KNU20102006066

SMJCE
15.12.22

Acknowledgement

I would like to express my special thanks of gratitude to my teachers Mrs. Sutapa Majee and Mr. Samrat Kundu, who gave me the golden opportunity to do this wonderful project from Internet Technologies on the topic "Web Proramming".

Who also helped me in completing my project,

I came to know about so many new things I am really thankful to them.

Secondly, I would also like to thank my parents and friends who helped me a lot in finalizing this Project within the limited time frame.

S. Majee
15.12.22

Teachers Signature (1)

Teachers Signature (2)

Ankita Gupta

Student Signature



Banwarilal Bhalotia College

Constituent College of the KAZI NAZRUL UNIVERSITY, Asansol
(GOVT. SPONSORED U. G. & P. G. College)

B.Sc (Computer Science [Hons.])

Web Programming

Academic Year:- 2022-2023

Name:- Ayush Jayswal.

Registration No.:- 102211220227

Roll No.:-

SMojee
17.06.23



KAZI NAZRUL UNIVERSITY

Banwarilal Bhalotia College

Asansol

Computer Science Honours

Semester- IV

Name:- Soumita Nag

Registration No.:- 102211220324

Course Name:- Web Programming

Course Code:- BSCHCOSSE402

Soumita Nag
17.06.23

BANWARILAL BHALOTIA

COLLEGE



4th Semester

Name: - Anirban Dhibar

Reg. No: -102211220059

Session: - 2022-2023

Department: - Computer Science (Hons.)

Subject: - Web Programming

Smylec
17.06.23



BANWARILAL BHALOTIA COLLEGE

LABORATORY NOTEBOOK ON

WEB PROGRAMMING

NAME: SUBHA GORAI

RESITRATION NUMBER: KNU102211220099

SESSION: 2022-2023

DICIPLINE: COMPUTER SCIENCE

SEMESTER: 4th SEMESTER

COURSE NAME: web programming

CODE: BSCHCOSSE402

Shajee
17.06.23



KAZI NAZRUL UNIVERSITY

Banwarilal Bhalotia College

DEPARTMENT:- COMPUTER SCIENCE

NAME: SUBHABRATA NAG

SUBJECT: Web Programming

REG NO.: 102211220093

SEMESTER: IV

ROLL NO.:

[B.SC(3 YEARS DEGREE)HONOURS PART-IV
EXAMINATION]

Shojee
17.06.23

BANWARILAL BHALOTIA COLLEGE

KAZI NAZRUL UNIVERSITY

WEB PROGRAMMING LAB REPORT

(4th SEMESTER)

NAME :- SHRABANI GHOSH

REG NO :- 102211220220

SEMESTER :- 4TH

DISCIPLINE:- COMPUTER SCIENCE

YEAR OF EXAMINATION :- 2023

Shrabi
17.06.23



काजी नज़रुल विश्वविद्यालय
KAZI NAZRUL UNIVERSITY

BANWARILAL BHALOTIA COLLEGE



SESSION 2022-23
SEMESTER-IV

MINOR PROJECT REPORT

WEB PROGRAMMING
CODE: BSCHCOSSE 402



BSc in COMPUTER SCIENCE (Hons.)

NAME: ABHIJIT MONDAL

REGT NO: 102211220332

Smajee
17.06.23



Banwarilal Bhalotia College
Laboratory notebook on
Web programming

Name:- Bikram Mandal
Registration number :- 102211220499
Session :- 2022- 2023
Dicipline:- Computer Science
Course code :- BSCHCOSSE402

smajee
17.06.23

BANWARILAL BHALOTIA

COLLEGE



4TH SEMESTER

Name :- Rishav Nandi

Reg No:- 102211220464

Subject :- Web Programming

Year :- 2022-2023

Department :- Computer Science (Hons.)

S. Majee
17.06.23

BANWARILAL BHALOTIA COLLEGE

Constituent College of the
KAZI NAZRUL UNIVERSITY



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ESTD. 1944

MINDR PROJECT
ON
WEB PROGRAMMING

NAME : ABHIJEET SHAW

REG. NO. : 102211220298

SESSION: 2021-2022

SUBJECT : WEB PROGRAMMING

DEPARTMENT : COMPUTER SCIENCE

Shaje.e
17.06.23

KAZI NAZRUL UNIVERSITY



PROJECT REPORT ON WEB PROGRAMMING LAB REPORT

SUBMITTED BY

NAME:- HARSH KUMAR SINGH

REGISTRATION NO : 102211220514

SUBJECT CODE:-BSCHCOSSE402

DEPARTMENT OF COMPUTER SCIENCE
BANWARILAL BHALOTIA COLLEGE
USHAGRAM, ASANSOL-713303
2022-2023

smajee
27.06.23



Banwarilal Bhalotia College
Laboratory notebook on
Web programming

Name :- Sourabh chatterjee

Registration number :- 102211220234

Session :- 2022- 2023

Dicipline:- Computer Science

Course code :- BSCHCOSSE402

smjtee
17.06.23

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE

SESSION 2022-2023

PRACTICAL ASSIGNMENT ON



Programming
Language

NAME : MD MOHSIN ALAM

ROLL NO :

REGISTRATION NO : 102221220087

DISCIPLINE : COMPUTER SCIENCE(B.SC)

SEMESTER : 1ST SEMESTER

COURSE NAME : PROGRAMMING METHODOLOGY

COURSE CODE : BSCHCOSC101

smajee
19.01.23

KAZI NAZRUL UNIVERSITY
BANWARILAL BHALOTIA COLLEGE,
ASANSOL
COMPUTER SCIENCE HONOURS
Semester - 1



NAME - PANKAJ KUMAR RAWAT
REGISTRATION NO. - 102221220037
DISCIPLINE - COMPUTER SCIENCE
COURSE NAME - PROGRAMMING METHODOLOGY
COURSE CODE - BSCHPOSC101

Shafiq
10.01.23

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE

ASSIGNMENT REPORT ON



SUBMITTED BY

NAME:- SHILPI SHAW

REGISTRATION NO : 102221220242

ROLL NO.:-

COURSE NAME:-PROGRAMMING METHODOLOGY

COURSE CODE:-BSCHOSC101

SEMESTER:- 1ST SEMESTER

DEPARTMENT OF COMPUTER SCIENCE

2022-2023

Shilpi
12.01.23



Kazi Nazrul University



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**PROJECT ON PROGRAMMING
METHODOLOGY
SESSION :2022-2023**

NAME : ADESH KUMAR MONDAL

ROLL NO :

REGISTRATION NO: 102221220174

DISCIPLINE: B.SC(HONS.) COMP. SCIENCE

SEMESTER: 1

**COURSE NAME :PROGRAMMING
METHODOLOGY**

COURSE CODE: BSCHCOSC101

*sm/lee
19.01.23*



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ESTD. 1944

Banwarilal Bhalotia College

Constituent of the KAZI NAZRUL UNIVERSITY, Asansol
(GOVT. SPONSORED UG & PG COLLEGE)

Programming Methodology

Assignment for the season 2022- 23



Name: Jiban shaw

Registration no. :102221220337

Course : B.Sc.Computer Science

(Hons.)

SMojee
19.01.23

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE



NAME : ARFAH MALLICK

ROLL NO. :

REGISTRATION NO. :

SESSION:2022-2023

DISCIPLINE : COMPUTER SCIENCE

SEMESTER : 1ST SEMESTER

COURSE NAME : PROGRAMMING METHODOLOGY

COURSE CODE : BSCHCOSC101

smjee
19.01.23

KAZI NAZRUL UNIVERSITY

BANWARILAL BHALOTIA COLLEGE

ASANSOL

LABORATORY NOTEBOOK

ON

C PROGRAMMING LANGUAGE

NAME : NAYANA MAHATO

SEMESTER : 1st SEMESTER

SUBJECT : COMPUTER SCIENCE

REG. NO :

SESSION : 2022-2023

COURSE NAME : PROGRAMMING METHODOLOGY

COURSE CODE : BSCHCOSC101



BANWARILAL BHALOTIA COLLEGE

2022-2023

NAME:- SUDIPTA MAJI

REGISTRATION NUMBER:- KNUREG102221220108

SESSION:- 2022-2023

SEMESTER:- 1'st SEMESTER

DISCIPLINE:- COMPUTER SCIENCE

COURSE NAME:- PROGRAMMING METHODOLOGY

COURSE CODE:- BSCHCOSC101

S. Majee
19.01.23

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SESSION- 2022-23

**PRACTICAL PROJECT ON- PROGRAMMING
METHODOLOGY**

Submitted by-

NAME- Sayantana Kar

DISCIPLINE- BSC COMPUTER

SCIENCE HONORS

COURSE NAME- PROGRAMMING

METHODOLOGY

COURSE CODE- BSCHCOSC101

SEMESTER- 1st

ROLL NO-

REGISTRATION NO-

102221220189

smjee
19.01.23



Banwarilal Bhalotia College

Constituent College of the KAZI NAZRUL UNIVERSITY, Asansol
(GOVT. SPONSORED U. G. & P. G. College)

ASSIGNMENT FOR THE SESSION : 2022-23

DISCIPLINE : COMPUTER SCIENCE
COURSE TITLE : PROGRAMING METHODOLOGIES
COURSE CODE : BSCHCOSC101
NAME : SOURAV DEY
REGISTRATION NO : 102221220026

SUBMITTED

By

SOURAV DEY



Signature *SMajee*
Date *19.01.23*