



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)

**Project Status Report of Core-14 of BA Hons. in Political Science VI Semester,
2023-24**

Project Name	Core-14 (BAHPLSC602)
Reporting Period	24th January, 2024 – 31st May, 2024
Report Date	4th June, 2024
Project Supervisor	Santosh Kumar Bhagat & Pawan gurung
Course	BA Hons in Political Science
Semester	VI
Session	2021-24

Santosh Bhagat

HOD
Dept. of Political Science (Hindi Shift)
BANWARILAL BHALOTIA COLLEGE
ASANSOL-713303



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

Allotment of Supervisor for Project (C-14)

BA HONOURS in POLITICAL SCIENCE VI SEMESTER

PROJECT C-14 (SESSION-2021-24 & ACADEMIC YEAR 2023-24)

Sl No.	Name of Student	Registration No	Roll No	Supervisor
1.	AARTI UPADHYAY	116211210172	1162106121034001	SANTOSH BHAGAT
2.	ABHINASH PRASAD	116211210242	1162106121034002	SANTOSH BHAGAT
3.	AKANSHA MAHATO	116211210323	1162106121034003	SANTOSH BHAGAT
4.	AMAN KUMAR YADAV	116211210052	1162106121034004	SANTOSH BHAGAT
5.	ANIKET KUMAR SHAW	116211210130	1162106121034006	SANTOSH BHAGAT
6.	ANJANI KUMARI	116211210125	1162106121034008	SANTOSH BHAGAT
7.	ANJU GOPE	116211210213	1162106121034009	SANTOSH BHAGAT
8.	ANJU RAJBHAR	116211210116	1162106121034010	SANTOSH BHAGAT
9.	ANKITA KUMARI	116211210318	1162106121034011	SANTOSH BHAGAT
10.	ANSHU KUMARI	116211210034	1162106121034012	SANTOSH BHAGAT
11.	ARCHANA THAKUR	116211210211	1162106121034013	SANTOSH BHAGAT
12.	ARTI PASWAN	116211210015	1162106121034014	SANTOSH BHAGAT
13.	ARTI KUMARI	116211210142	1162106121034015	SANTOSH BHAGAT
14.	ASHISH PRASAD	116211210070	1162106121034016	SANTOSH BHAGAT
15.	BEAUTY YADAV	116211210306	1162106121034017	SANTOSH BHAGAT
16.	DIPA KUMARI SINGH	116211210087	1162106121034019	SANTOSH BHAGAT
17.	DIPAK KUMAR SINGH	116211210018	1162106121034020	SANTOSH BHAGAT
18.	GOURAV RAJAK	116211210099	1162106121034022	SANTOSH BHAGAT
19.	GOUTAM YADAV	116211210222	1162106121034023	SANTOSH BHAGAT
20.	GULNEHAR PARVEEN	116211210136	1162106121034024	SANTOSH BHAGAT
21.	ISHA KUMARI	116211210162	1162106121034025	SANTOSH BHAGAT
22.	ISHA KUMARI RAJAK	116211210025	1162106121034026	SANTOSH BHAGAT
23.	ISHA LOHAR	116211210081	1162106121034027	SANTOSH BHAGAT
24.	JARINA KHATUN	116211210054	1162106121034028	SANTOSH BHAGAT
25.	JYOTI KUMARI	116211210265	1162106121034029	SANTOSH BHAGAT
26.	KALPANA DAS	116211210317	1162106121034030	SANTOSH BHAGAT
27.	KARINA KUMARI HARI	116211210312	1162106121034031	SANTOSH BHAGAT
28.	KARISHMA KUMARI BHAR	116211210079	1162106121034032	SANTOSH BHAGAT
29.	KHUSHI PARWEEN	116211210077	1162106121034033	SANTOSH BHAGAT
30.	KOUSHIK KUMAR NONIA	116211210032	1162106121034034	SANTOSH BHAGAT
31.	KUSUM MISHRA	116211210042	1162106121034035	SANTOSH BHAGAT

32.	LAKESHWARI KUMARI GUPTA	116211210019	1162106121034037	SANTOSH BHAGAT
33.	LAKSHMI KUMARI RAM	116211210179	1162106121034038	SANTOSH BHAGAT
34.	MAHIMA KUMARI	116211210044	1162106121034040	SANTOSH BHAGAT
35.	MALA KUSHWAHA	116211210158	1162106121034041	SANTOSH BHAGAT
36.	MAMTA KUMARI	116211210084	1162106121034042	SANTOSH BHAGAT
37.	MANISH KUMAR SHARMA	116211210005	1162106121034043	SANTOSH BHAGAT
38.	MANISHA KUMARI CHOWDHARY	116211210100	1162106121034044	SANTOSH BHAGAT
39.	MANSI KUMARI NONIA	116211210232	1162106121034045	SANTOSH BHAGAT
40.	MASUM KHATUN	116211210150	1162106121034046	SANTOSH BHAGAT
41.	MD AHMAD RAZA	116211210048	1162106121034047	SANTOSH BHAGAT
42.	MOHINI KUMARI VISHWAKARMA	116211210329	1162106121034048	SANTOSH BHAGAT
43.	NANDINI BURMAN	116211210009	1162106121034049	SANTOSH BHAGAT
44.	NANDINI KUMARI NONIA	116211210169	1162106121034050	SANTOSH BHAGAT
45.	NASHRIN PARWEEN	116211210202	1162106121034051	SANTOSH BHAGAT
46.	NASIM ANSARI	116211210243	1162106121034052	SANTOSH BHAGAT
47.	NAVARATRI KUMARI	116211210135	1162106121034053	SANTOSH BHAGAT
48.	NEHA KUMARI	116211210208	1162106121034054	SANTOSH BHAGAT
49.	NEHA KUMARI	116211210061	1162106121034055	SANTOSH BHAGAT
50.	NEHA SHARMA	116211210225	1162106121034056	SANTOSH BHAGAT
51.	NEHA SINGH	116211210272	1162106121034057	SANTOSH BHAGAT
52.	NIHARIKA PASWAN	116211210127	1162106121034058	SANTOSH BHAGAT
53.	NIKITA CHOUDHURY	116211210145	1162106121034059	SANTOSH BHAGAT
54.	NISHA KUMARI	116211210134	1162106121034060	SANTOSH BHAGAT
55.	NISHA KUMARI	116211210204	1162106121034061	SANTOSH BHAGAT
56.	PAYAL SAHANI	116211210037	1162106121034062	SANTOSH BHAGAT
57.	PAYAL SINGH	116211210181	1162106121034063	PAWAN GURUNG
58.	PRATIVA ROY	116211210072	1162106121034065	PAWAN GURUNG
59.	PRITI KUMARI	116211210043	1162106121034066	PAWAN GURUNG
60.	PRITY HEMBRAM	116211210033	1162106121034067	PAWAN GURUNG
61.	PRITY RAJAK	116211210064	1162106121034068	PAWAN GURUNG
62.	PRIYA KUMARI	116211210217	1162106121034069	PAWAN GURUNG
63.	PRIYA KUMARI BARNWAL	116211210050	1162106121034070	PAWAN GURUNG
64.	PRIYA KUMARI MAHTO	116211210083	1162106121034071	PAWAN GURUNG
65.	PRIYA THAKUR	116211210236	1162106121034072	PAWAN GURUNG
66.	PRIYANKA KUMARI	116211210073	1162106121034073	PAWAN GURUNG
67.	PRIYANKA KUMARI NONIA	116211210012	1162106121034074	PAWAN GURUNG
68.	PRIYANKA RAJAK	116211210240	1162106121034076	PAWAN GURUNG
69.	PUJA TURI	116211210069	1162106121034077	PAWAN GURUNG
70.	PUNAM KUMARI NONIA	116211210024	1162106121034078	PAWAN GURUNG
71.	PURNIMA KUMARI SHAW	116211210336	1162106121034079	PAWAN GURUNG
72.	RAHUL PRASAD	116211210281	1162106121034080	PAWAN GURUNG
73.	RAJ KUMAR THAPA	116211210063	1162106121034081	PAWAN GURUNG
74.	RAJEEV YADAV	116211210327	1162106121034082	PAWAN GURUNG
75.	RAJIV RAY	116211210029	1162106121034083	PAWAN GURUNG

76.	RAKHI KUMARI BISHWAKARMA	116211210314	1162106121034084	PAWAN GURUNG
77.	RAKHI SINGH	116211210086	1162106121034085	PAWAN GURUNG
78.	RANI NUNIA	116211210168	1162106121034086	PAWAN GURUNG
79.	RIANTI ROY	116211210246	1162106121034088	PAWAN GURUNG
80.	RIMA PRASAD	116211210101	1162106121034089	PAWAN GURUNG
81.	RIYA BURNWAL	116211210159	1162106121034090	PAWAN GURUNG
82.	RIYA KUMARI MANDAL	116211210315	1162106121034091	PAWAN GURUNG
83.	RIYA RABIDAS	116211210271	1162106121034092	PAWAN GURUNG
84.	RIYA SINGH	116211210275	1162106121034093	PAWAN GURUNG
85.	ROSAN KUMAR THAKUR	116211210311	1162106121034095	PAWAN GURUNG
86.	SAHEEN PARVEEN	116211210220	1162106121034096	PAWAN GURUNG
87.	SALU BARNWAL	116211210287	1162106121034097	PAWAN GURUNG
88.	SAMREEN SABA	116211210102	1162106121034098	PAWAN GURUNG
89.	SANJAY KUMAR MANDAL	116211210322	1162106121034099	PAWAN GURUNG
90.	SARFARAZ QURASHI	116211210126	1162106121034101	PAWAN GURUNG
91.	SIMMI SINGH ARORA	116211210335	1162106121034102	PAWAN GURUNG
92.	SONY KUMARI	116211210014	1162106121034104	PAWAN GURUNG
93.	SUJIT KUMAR RAJAK	116211210155	1162106121034105	PAWAN GURUNG
94.	SUMAN KUMARI MAHATO	116211210178	1162106121034106	PAWAN GURUNG
95.	SUNIDHI SINGH	116211210046	1162106121034107	PAWAN GURUNG
96.	SUNITA KUMARI NONIA	116211210105	1162106121034108	PAWAN GURUNG
97.	SUNITA PASWAN	116211210304	1162106121034109	PAWAN GURUNG
98.	SUNITA SHAW	116211210270	1162106121034110	PAWAN GURUNG
99.	SWEETY BURMAN	116211210310	1162106121034111	PAWAN GURUNG
100.	TANNU SINGH	116211210065	1162106121034112	PAWAN GURUNG
101.	TANU SRI SHARMA	116211210307	1162106121034113	PAWAN GURUNG
102.	TANUJA KHATOON	116211210090	1162106121034114	PAWAN GURUNG
103.	VICKY KUMAR	116211210277	1162106121034116	PAWAN GURUNG
104.	VICKY KUMAR PRASAD	116211210106	1162106121034117	PAWAN GURUNG
105.	VISHAL KUMAR MONDAL	116211210187	1162106121034118	PAWAN GURUNG
106.	ZINAT TAMANNA	116211210088	1162106121034119	PAWAN GURUNG
107.	MUSKAN PARBEEN	116211210203	1162106121034120	PAWAN GURUNG

Santosh Bhagat

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

Project Status Report of Core-14 of Departmental Students, 2024

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

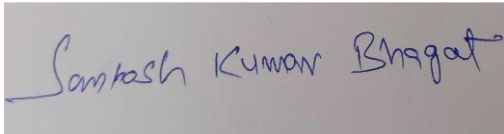
PROJECT C-14 (SESSION-2021-24 & ACADEMIC YEAR 2023-24)

Date 04/06/2024

Department of Political Science (Hindi Shift) successfully supervised 107 project work done by BA Honours in Political Science VI Semester students of 2021-24 session during January 2024 – May 2024 under the supervision of Mr. Santosh Kumar Bhagat, Assistant Professor, Department of Political Science (Hindi Shift), B.B. College, Asansol and Mr. Pawan Gurung, 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 Electoral Bond in India, One Nation One Election in India, Role of South Asian Associations for Regional Cooperation, Nuclear Policy of India, Contemporary Farmers Agitation, Discourse on Indian Secularism, Global Initiative to Address Climate Change, Local Self Governance in West Bengal, Narmada Bachao Aandolan, 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".

HOD

Department of Political Science (Hindi Shift)

Supporting Documents

B.A Honours & Programmes in Political Science: CBCS

Syllabus: Kazi Nazrul University

SEMESTER VI

Course Name: PROJECT

Course Code: BAHPLSC602

Course Type: C	Course Details: CC14		L-T-P: 0-0-12		
Credit:6	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		50	-	50	-

General Guide Lines

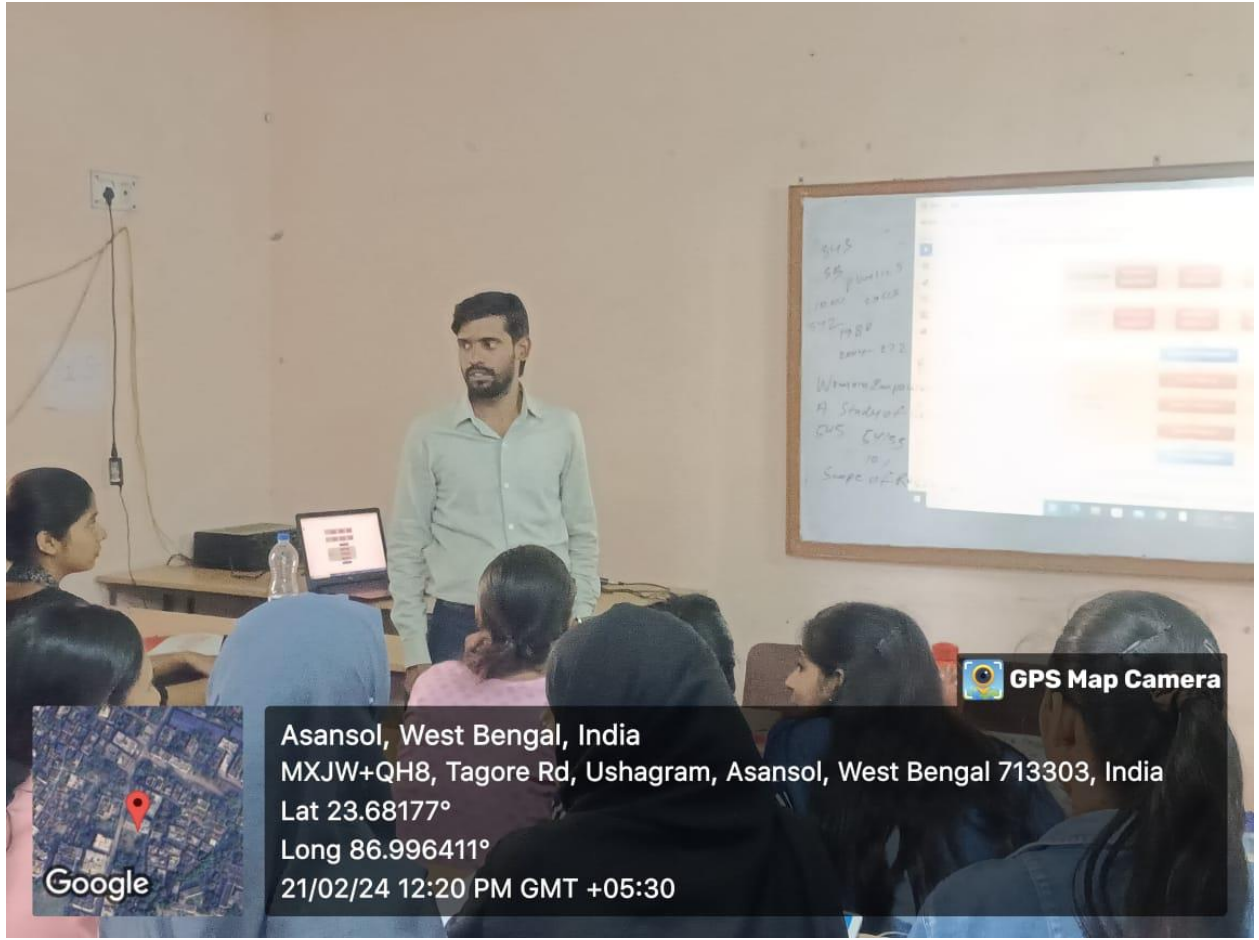
1. Students must write their papers from within the discipline of Political Science and its allied subject.
2. Total Marks 50. Internal-30 marks and External marks-20.
3. External Evaluation will be made through viva-voce.
4. External Evaluation will be made through the continuous evaluation process by the respective Supervisor.
5. Name of the external examiner will be send by the course coordinator of the university PG department of Political Science to the Controller/Dy. Controller of Examinations of the University and then University will send all the colleges.
6. In respect of the preparation of the project special emphasis will be given on Research Methodology.
7. Each student will select separate Topic
8. Institution will give the priority of the choice of the students regarding the selection of the topic of their choice.


Suggest Readings

Kothari, C.R, *Research Methodology* (New Delhi:PHI).

Ahuja, Ram, *Research Methods* (New Delhi: Rawat Publications).

Majumder, P.K., *Research Methods in Social Sciences* (New Delhi, Viva Books.).



 **GPS Map Camera**

Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.68177°
Long 86.996411°
21/02/24 12:20 PM GMT +05:30






 **GPS Map Camera**



Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681757°
Long 86.996406°
21/02/24 12:19 PM GMT +05:30




 **GPS Map Camera**



Asansol, West Bengal, India
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Lat 23.681757°
Long 86.996406°
21/02/24 12:19 PM GMT +05:30




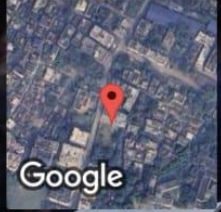
 **GPS Map Camera**



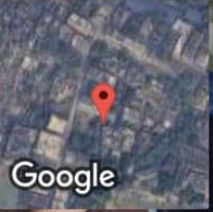
Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681741°
Long 86.996312°
20/02/24 12:40 PM GMT +05:30



 **GPS Map Camera**

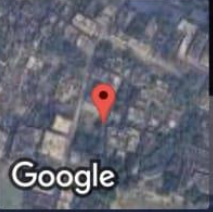


Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681777°
Long 86.99638°
20/02/24 12:40 PM GMT +05:30



Asansol, West Bengal, India
37, GT Rd, Pathak Bari, Asansol, West Bengal 713301, India
Lat 23.681651°
Long 86.996545°
28/05/24 02:12 PM GMT +05:30

GPS Map Camera



Asansol, West Bengal, India
37, GT Rd, Pathak Bari, Asansol, West Bengal 713301, India
Lat 23.681652°
Long 86.99649°
28/05/24 02:10 PM GMT +05:30

 GPS Map Camera



Asansol, West Bengal, India
37, GT Rd, Pathak Bari, Asansol, West Bengal 713301, India
Lat 23.681753°
Long 86.99682°
28/05/24 02:12 PM GMT +05:30

Google

GPS Map Camera



BA. (HONS)

6th SEMESTER EXAMINATION

Subject Type:- CC-14

Subject Code:- BAHPLSC602

Subject Topic:- Nuclear Policy of India

• SUBMITTED BY •

Name:- Lakeshwari Kumari Gupta

Reg. No.:- 116211210019

Roll No.:- 1162106121034037

Session:- 2021-22

• SUBMITTED TO •

» Santosh Bhagat
» Department of Political Science (Hindi Shift)

KAZI NAZRUL UNIVERSITY
ASANSOL

(HONS) 6TH SEMESTER EXAMINATION

SUBJECT TYPE - CC-14

SUBJECT CODE - BAHPLSC602

PROJECT TOPIC - RELATION BETWEEN INDIA
AND PAKISTAN

REGISTRATION - 116211210043

ROLL NO - 1162105121034066

NAME - PRITI KUMARI

SUBMITTED TO - SANTOSH BHAGAT
DEPARTMENT OF POLITICAL SCIENCE
(HINDI SHIPI)

B. B. COLLEGE, ASANSOL
SESSION - 2021-2022



Shot on Y15
Vivo AI camera

2024.05.28 18:23

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE (ASANSOL)

B.A.(HONS) IN POLITICAL SCIENCE 6TH SEMESTER EXAMINATION -2024

Subject Type - CC14

Subject Code - BAHPLSC602

Subject Topic - Women's Empowerment In India - Role Of The Women
In Local Self Governance .

SUBMITTED BY :-

KUSUM MISHRA

REG NO - 116211210042

ROLL NO - 1162106121034035

SUBMITTED TO
MR.SANTOSH BHAGAT
(DEPARTMENT OF POLITICAL SCIENCE)



RELATION BETWEEN
INDIA AND
PAKISTAN



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Vivo AI camera

2024.05.28 18:23

11:53

5G 43%

←  Neha Singh



May 28, 2024

🔒 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.

Good evening sir 7:27 PM

Boliye 7:36 PM ✓✓

Sir main jis topic pr project likh rhi hu... 7:41 PM

Mra se 25-26 page hi ho paya h 7:41 PM

Sir ya enough h ya or likhna pdga 7:41 PM

5 more page 7:41 PM ✓✓

You
5 more page

Sir or nii smjh aa rhi aage ky likhu 7:42 PM

Iwll send 7:42 PM ✓✓

Ok sir 7:42 PM

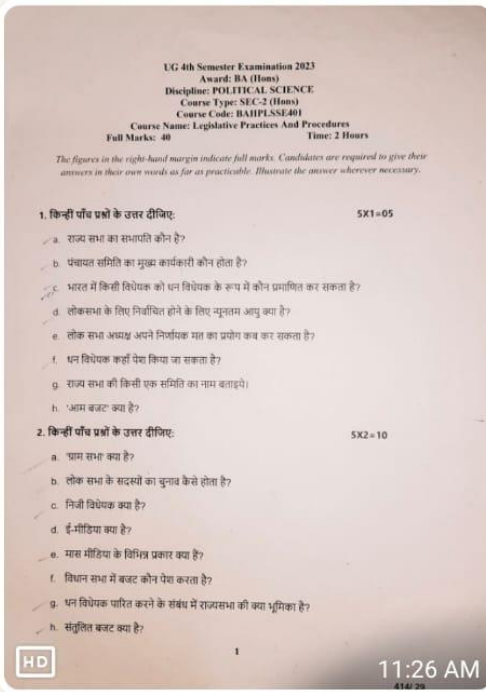
 Message



11:52

5G 43%

Lakeshwari



February 21, 2024

Sir kya yah topic kar sakti hu? =>" राजनीति में हरित शासन की भूमिका और इसकी चुनौतियां "

Edited 8:41 PM

April 27, 2024

Sir .. ma Nuclear policy of India par project bana rhi hu.

4:00 PM

Ok 4:34 PM

Message



11:41

5G 46%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



May 19, 2024



~ Sarfaraz

+91 85379 71571

"Nature of Indian federalism" mera topic hai okk.

11:16 AM



~ Koushik 😊

+91 70478 94498

The Evolution of panchayati Raj between 1947 and 1992

11:17 AM



~ Nisha Kumari

+91 76798 18698

"Basic functions of the Security Council of the UN" mera topic hai

11:17 AM



~ Phu

+91 99077 51149

the Indian Constitution and related landmark judgments mera topic hai

11:17 AM



~ Priyanka Kumari 😎

+91 83910 55431

India America relations Mera topic h

11:17 AM



~ Prativa ❤️

+91 83719 16377

Kalpanawadi samajwad Mera hai
Please koi Mt lena

11:18 AM



~ Purnima Shaw +91 83898 20976

🚫 This message was deleted

11:18 AM

Relation between India and Pakistan
it's my topic plz koi Mt Lena 🙏



Message



11:42

5G 46%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



May 19, 2024



Ahmad Raza

Defection in politics is my topic

Edited 11:19 AM



Neha Singh

Asthaniya swashasan or Panchayati raj weawasta topic mri h...

11:19 AM



~ Zinat

+91 6295 724 235

Relation between India or Sri Lanka



11:19 AM



~ mahimasalu299

+91 85091 28286

Relation between India Bangladesh

11:19 AM



~ Ishakumarirajak

+91 90648 43884

My topic is uniform civil code

11:21 AM



~ ROSHAN

+91 85098 38086

Cold War Mera Topic Haii..!!

11:22 AM



~ ❤️

+91 70474 36638

Rule of law mera topic h..... 😊

11:23 AM



~ .

+91 96419 28575

The Singur Movement... Topic.

11:24 AM



~ Niharika

+91 89271 11911

Social movements Mera topic hai



Message



11:42

5G 46%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



~ Gourav +91 81161 18021

Caste system 11:26 AM



Riya Sahani

Social and economic council of uno..my topic

Edited 11:27 AM



priyathakur

Topic -: Article 370
Mera topic hai

11:27 AM



~ Akansha

+91 93333 31046

India China relations mera topic hai

11:27 AM



~ isha

+91 85971 89613

Relation between India and Russia

11:27 AM



~ 🤔🤔

+91 74783 25568

एक देश, एक विधान, एकनिशान का सपना साकार

अनुच्छेद 370 के प्रावधानों के हटने के बाद बदली तस्वीर, जम्मू-कश्मीर और लद्दाख में नई शुरुआत

11:37 AM



Arati upadhyay

vaishvikaran mera topic hai..

11:41 AM



~ Jyoti Yadav

+91 89672 72811

Citizenship of India mera topic hai

11:41 AM



Message



11:42

5G 46%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



~ Gourav +91 8 May 19, 2024

Caste system 11:26 AM



Riya Sahani

Social and economic council of uno..my topic

Edited 11:27 AM



priyathakur

Topic -: Article 370
Mera topic hai

11:27 AM



~ Akansha

+91 93333 31046

India China relations mera topic hai

11:27 AM



~ isha

+91 85971 89613

Relation between India and Russia

11:27 AM



~ 😊😊

+91 74783 25568

एक देश, एक विधान, एकनिशान का सपना साकार

अनुच्छेद 370 के प्रावधानों के हटने के बाद बदली तस्वीर, जम्मू-कश्मीर और लद्दाख में नई शुरुआत

11:37 AM



Arati upadhyay

vaishvikaran mera topic hai..

11:41 AM



~ Jyoti Yadav

+91 89672 72811

Citizenship of India mera topic hai

11:41 AM



Surita Dasgupta



Message



11:43

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



SP

Sunita Paswan May 19, 2024

Women empowerment Mera topic hai

11:41 AM

R

~ Rani Nunia +91 70299 89160

Topic -: SAARC -South Asian
association for regional
cooperation.... Mera topic hai

11:44 AM



Goutam ~♡

~ Ishakumarirajak +91 90648 43884

My topic is uniform civil code

Ye mera topic hai, complete bhi ho gya
mera

11:46 AM



Rakhi Sem1

Chipko movementmera topic hai

11:56 AM



~ Prity Raj +91 97494 92549

Association of south East Asaian
nations- Asean

11:56 AM

S

~ Shalu Kumari +91 76991 02479

Right to information

12:05 PM



~ Ishakumarirajak +91 90648 43884

Local self government in india

12:06 PM



Neha Kumari

India-afghanistan relation mara topic h



Message



11:43

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



May 19, 2024



~ .•.~ Riya •.~

+91 78669 48958

Silent Valley movement mera topic h

12:12 PM

+91 85094 26807 joined using this group's invite link



Manish Sharma

Sustainable Development

12:20 PM



~ Rohit Kumar Kushwaha +91 75015 42214

Narmada bachao andolan mere topic h

12:20 PM



Archana Thakur

This message was deleted

12:23 PM



Abhinav Prasad

Message q kar re hoo sab itna sara

12:23 PM



~ ROSHAN ❤️ +91 85098 38086

This message was deleted

12:24 PM

~ ROSHAN ❤️ +91 85098 38086

This message was deleted

12:25 PM



Abhinav Prasad

Jisko koi problem hora hai aapas me baat kar lo koi puch nhi ra hai jo sabhi koi apna topic bata ra hai

12:25 PM



Message



11:43

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



N ~ nandinirajatnonia +91 90075 31520
Topic _(The protection of domestic violence Act 2005 .) Ya mera topic h .
12:26 PM

You may write title of your topic here
12:26 PM ✓

But not irrelevant messages here please
12:27 PM ✓

Ishakumarirajak +91 90648 43884
 You deleted this message as admin
12:27 PM

AP **Abhinav Prasad**
 You deleted this message as admin
12:28 PM

Abhinav Prasad
 You deleted this message as admin
12:28 PM

Agar kisi ko koi issue hai to kal aakar department me mujhse mile
12:29 PM ✓

A ~ Anju Bhardwaj 🤔 +91 78723 91747
Baluchistan movement in Pakistan
12:38 PM

Dipa Singh 🤔 +91 70479 91224
UNO mera topic hai
12:40 PM

AT Archana Thakur

Message



11:44

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



AT Archana Thaku May 19, 2024
My topic is -world Bank 🏦 12:41 PM

Lakeshwari
You
You may write title of your topic here
..Nuclear policy of India... 12:42 PM

~ Priya Mahto +91 86170 85794
Koutliya ki rajnitik vichardhara
12:43 PM

~ ❤️❤️❤️ Aaru ❤️❤️❤️ +91 95473 71517
You
You may write title of your topic here
Gender security 12:54 PM

KM Kusum Mishra
Women Empowerment in India : Role
of the women in local self government
12:54 PM

~ ❤️❤️❤️ Aaru ❤️❤️❤️ +91 95473 71517
Gender security

Gender Equality karo 1:01 PM ✓

~ Jyoti Yadav +91 89672 72811
Citizenship of India mera topic hai

XXX

Change it 1:03 PM



Message



11:44

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



You May 19, 2024

Gender Equality karo

Ok sir

1:03 PM

Ahmad Raza

Defection in politics is my topic

What defection?

1:04 PM ✓



~ Cutiepai ...23

+91 96350 12792

constitutional system of india

1:05 PM



~ samreensaba074

+91 96474 83888

~~This message was deleted~~

1:07 PM

Asean (topic)

1:08 PM



~ ॐ

+91 86708 86210

You

You may write title of your topic here

gram panchayat !!

1:15 PM



Kalpana

Civil War in Srilanka

1:26 PM



~ ❤️👉 ANKITA THAKU... +91 6295 495 212

democracy in India

1:41 PM



~ Prity Hembram 💖

+91 83899 51616

You

You may write title of your topic here

Tribal movement at deucha pachami



Message



- ~ Tannu Singh May 19, 2024 +91 98839 27446
News channel and their empect on politics
2:06 PM
- ~ +91 70298 18861
Election and representation.
2:06 PM
- ~ Nashrin +91 97756 45560
भारत में चुनाव प्रक्रिया
2:25 PM
- AS Prasad
भारतीय राजनीति व मीडिया की भूमिका
2:31 PM
- ~ Karishma +91 91449 89155
Growth of local self-government in India.
2:52 PM
- ~ +91 83439 27164
संयुक्त राष्ट्र मानवाधिकार परिषद
5:02 PM
- ~ +91 85094 28679
Concept of state sovereignty(राज्य संप्रभुता की अवधारणा)
10:11 PM
- ~ Nikita added +91 83889 27822. Tap to change member permissions.

May 20, 2024

- ~ Pammy +91 85094 26807
दक्षिण एशियाई क्षेत्रीय सहयोग संगठन
11:07 AM

- AK** Arti kumari
Women empowerment 12:55 PM

+91 85095 24808 joined using this group's invite link
- ~ ❤️ PUNAM ❤️** +91 85095 24808
SAARC topic--दक्षिण एशियाई क्षेत्रीय सहयोग संगठन (SAARC) 1:13 PM

+91 80163 47397 joined using this group's invite link
- P** ~ Priya Barnwal +91 81454 77738
Minorities in srilanka 3:07 PM
- aman k yadav**
Indian parliamentary system and it's structure 8:15 PM

Ye mera topic h 8:15 PM
- ~ sujit Kumar** +91 6295 324 168
~~This message was deleted~~ 8:22 PM
- May 22, 2024
- ~ Nikita 🤗** +91 78659 10737
National human rights commission of India 1:51 PM
- M** ~ Manshi ❤️ +91 62949 12836
~ Nikita 🤗 +91 78659 10737
National human rights commission of India

AK Arti kumari May 20, 2024
Women empowerment 12:55 PM

+91 85095 24808 joined using this group's invite link

~ ❤️ PUNAM ❤️ +91 85095 24808
SAARC topic--दक्षिण एशियाई क्षेत्रीय सहयोग संगठन (SAARC) 1:13 PM

+91 80163 47397 joined using this group's invite link

P ~ Priya Barnwal +91 81454 77738
Minorities in srilanka 3:07 PM

aman k yadav
Indian parliamentary system and it's structure 8:15 PM

Ye mera topic h 8:15 PM

~ sujit Kumar +91 6295 324 168
~~This message was deleted~~ 8:22 PM

May 22, 2024

~ Nikita 🥰 +91 78659 10737
National human rights commission of India 1:51 PM

M ~ Manshi ❤️ +91 62949 12836
~ Nikita 🥰 +91 78659 10737
National human rights commission of India

11:45

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



May 22, 2024



~ Nikita 🥰

+91 78659 10737

National human rights commission of India

1:51 PM



~ Manshi ❤️

+91 62949 12836

~ Nikita 🥰

+91 78659 10737

National human rights commission of India

Ye ham likh chuke h

1:54 PM

Complete v ho gya

1:54 PM



~ Suman 😊

+91 80163 47397

~~This message was deleted~~

1:55 PM



~ Nikita 🥰

+91 78659 10737

~ Manshi ❤️

+91 62949 12836

Ye ham likh chuke h

Hm v Star kr chuke hai

4:05 PM



~ Manshi ❤️

+91 62949 12836

~ Nikita 🥰

+91 78659 10737

Hm v Star kr chuke hai

Mera complete v ho gya kb ka

5:19 PM



~ Nikita 🥰

+91 78659 10737

~ Manshi ❤️

+91 62949 12836

Mera complete v ho gya kb ka

Tmhara pehle koi msg nai tha aur itna



Message



11:45

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



M

~ Manshi ❤️

May 22, 2024 1 62949 12836

~ Nikita 🥰

+91 78659 10737

Tmhara pehle koi msg nai tha aur itna sara students h kisi na kisi ka match krega hi plus copy thodi kr rhe tarika to change hi ...

Tera v toh abhi aaya

5:59 PM

~ Nikita 🥰

+91 78659 10737

Aur marks likhne ke tarike pe milga topic me nhi

Thik h toh likho

6:00 PM



~ ❤️🌟❤️

+91 93822 95425

भारत में स्थानीय शासन मेरा topic h

6:16 PM

May 26, 2024



rajiv ray

bharat me maulik adhikar ka mahatva mera topic h

11:17 AM



~ 🕶️ LATEET ANI 🕶️

+91 78089 70965

Bharat mai sambhidhan kaavmahatwa

11:38 AM



~ ... 🥰

+91 98000 46933

🚫 This message was deleted

11:41 AM

D

~ Dipak

+91 98001 34215

manav adhikar per aatankwad ka prabhav

11:44 AM



Message



11:45

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



~ Anju Bhardwaj +91 78723 91747

Zila parishad

12:40 PM

~ Nikita 🤗

+91 78659 10737

Aur marks likhne ke tarike pe milga topic me nhi

Acha

1:11 PM ✓

~ ... 🤗

+91 98000 46933

भारतीय संविधान की प्रस्तावना -यह मेरा टॉपिक है

XXX

1:12 PM ✓



Neha Kumari sem1

One nation one election mera topic h

1:13 PM



~ Anju (안주) +91 90640 15240

Electoral bonds

1:44 PM

May 27, 2024



~ Sunidhi Singh +91 99077 22897

Determinants of voting behaviour in India :An Analysis ...

4:13 PM

~ Sunidhi Singh +91 99077 22897

Determinants of voting behaviour in India :An Analysis ...

Mera topic he...

4:13 PM

~ Sunidhi Singh +91 99077 22897



Message



11:46

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



~ ... May 27, 2024 +91 98000 46933
Antarashtriya stambhan -Mera topic hai

XXXX

8:43 PM ✓

Review of Globalisation: With Special
Reference to India and China

8:58 PM ✓

May 28, 2024



~ Akansha +91 93333 31046

India China relations mera topic hai

11:01 AM



~ Rohit Kumar Kushwaha +91 75015 42214

Narmada bachao andolan mere topic
h

12:20 PM



~ ~Nandini♥ +91 62962 30370

India and Nepal relations mera topic h

2:45 PM



Kalpana

ऊर्जा सुरक्षा

3:36 PM



Khushi Parween

Sino-Indian border dispute (china
bharat sima vivaad)

4:28 PM

Khushi Parween

Sino-Indian border dispute (china bharat
sima vivaad)

Ye kisi ka nhi hna..? Bohot muskil se
ek tonic mila h 🤔



Message



11:46

5G 45%



C-14 (Project) 2023-24

Arati, Riya, Riya, +91 6295 724 235, +91...



K

Kalpana

May 28, 2024

ऊर्जा सुरक्षा

3:36 PM

KP

Khushi Parween

Sino-Indian border dispute (china
bharat sima vivaad)

4:28 PM

Khushi Parween

Sino-Indian border dispute (china bharat
sima vivaad)

Ye kisi ka nhi hna..? Bohot muskil se
ek topic mila h 😞

4:32 PM



Priti Kumari

Relation between India and Pakistan

6:25 PM



~ 😞

+91 85094 28679

भारतीय राजनीति में दबाव समूह मेरा topic
hai

6:52 PM



~ Jyoti Yadav

+91 89672 72811

New social movement मेरा topic hai

7:18 PM

Ab aur koi student bilateral relations topic
nhi lenge

7:37 PM ✓

May 29, 2024

Those who have not submitted the draft
copy of Project yesterday, can submit it
today at 12PM in room no 05.

9:07 AM



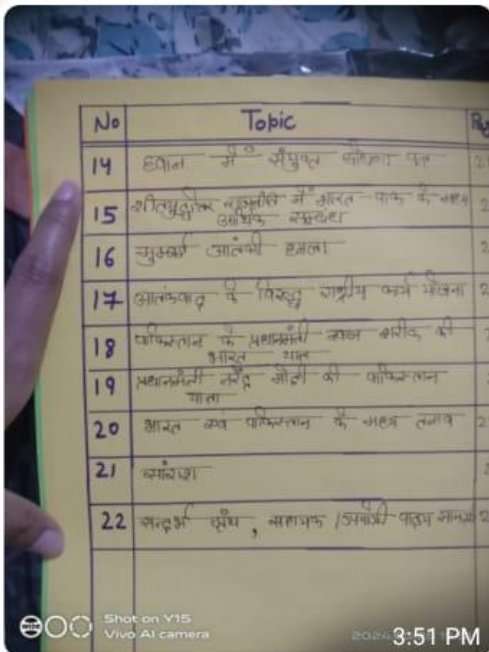
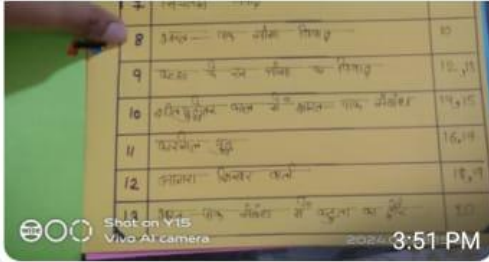
Message



11:54

5G 42%

Priti Kumari



Recent ka kuch add karne bole the sir

3:54 PM

Name 5:23 PM ✓✓

Project thik hai aapka 5:23 PM ✓✓

Priti Kumari

Recent ka kuch add karne bole the sir

Ok send karoonga 5:28 PM ✓✓

Message



11:56

5G 42%

aman k yadav



May 15, 2024

Namaste sir 9:18 PM

Mein syllabus k bahar se project bana sakta hu? 9:18 PM

No it's not possible 9:54 PM ✓✓

Ok sir 10:06 PM

May 28, 2024

Namaste sir 7:41 PM

Mera topic dijiye 7:41 PM

Ok 7:41 PM ✓✓

June 3, 2024

Namaste sir 11:43 PM

Check kar rha hoon 11:43 PM ✓✓

Thik h sir 11:43 PM

June 19, 2024

Namaste sir
Kl aap college aaoo ge kya ?? 8:22 PM

June 20, 2024

Message



11:25

Vol1 LTE2 5G 100%

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only admins can send messages



Soni Kumari contact me urgently 2:30 PM ✓



Queen sinha

Forwarded

PENDING 6TH SEMESTER FORM SUBMISSION LIST (LAST DATE: 27.05.2024)

Application	Name of Student	Father Name	Mobile	Program Name
206024	SONY KUMARI	SURENDRA BHUGA	7501805844	Bachelor of Arts (Honours) in Political Science
206065	PRITY KUMARI SHAW	MAHESH SHAW	8500877175	Bachelor of Arts (Program) in Hindi
210527	ROHAN KUMAR ROUSHI	LATE DAL SIBU ROUSHI	8101265221	Bachelor of Arts (Program) in Hindi
206128	RAHUL KUMAR THAKUR	RAJESH THAKUR	8101260255	Bachelor of Arts (Program) in History
210402	PAWAN KUMAR DAS	OM PRAKASH DAS	8101388838	Bachelor of Arts (Program) in History
208597	ANJALI VERMA	GOUTAM VERMA	7865028479	Bachelor of Arts (Program) in Political Science

Pending 6th Semester form Submission list 8:59 PM

Kindly submit your draft copy of Project paper by tomorrow at 1PM in Hindi Shift Building Room no 09. 9:02 PM ✓

Forwarded

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Pending 6th Semester form Submission list 11:10 PM ✓

May 29, 2024

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Message



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May 27, 2024



Queen sinha

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Application	Name of Student	Father Name	Mobile	Program Name
20824	SONY KUMARI	SURENDRA BHUSA	750180594	Bachelor of Arts (Honours) in Political Science
208263	PRITY KUMARI SHAW	MAHESH SHAW	850987175	Bachelor of Arts (Program) in Hindi
21027	ROHAN KUMAR ROUTH	LATE LAL BABU ROUTH	810126323	Bachelor of Arts (Program) in Hindi
208128	BAHUL KUMAR THAKUR	RAJESH THAKUR	831190255	Bachelor of Arts (Program) in History
210402	PAWAN KUMAR DAS	OM PRAKASH DAS	810139018	Bachelor of Arts (Program) in History
20857	ANIJU VERMA	GOUTAM VERMA	788028478	Bachelor of Arts (Program) in Political Science

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8:59 PM

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9:02 PM ✓

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11:10 PM ✓

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Edited 9:08 AM ✓



Piyali Banerjee

Message



11:25

Vol1 LTE2 5G 100%



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Soni Kumari contact me urgently 2:30 PM ✓



Queen sinha

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May 29, 2024

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May 27, 2024



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Application	Name of Student	Father Name	Mobile	Program Name
20824	SONY KUMARI	SURENDRA BHUSA	750180984	Bachelor of Arts (Honours) in Political Science
208263	PRITY KUMARI SHAW	MAHESH SHAW	850987375	Bachelor of Arts (Program) in Hindi
21027	ROHAN KUMAR ROUTH	LATE LAL BABU ROUTH	810126323	Bachelor of Arts (Program) in Hindi
208128	BAHUL KUMAR THAKUR	RAJESH THAKUR	830190255	Bachelor of Arts (Program) in History
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8:59 PM

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11:10 PM ✓

May 29, 2024

Students who have not submitted the draft copy of Project yesterday, can submit it today at 12PM in room no 05.

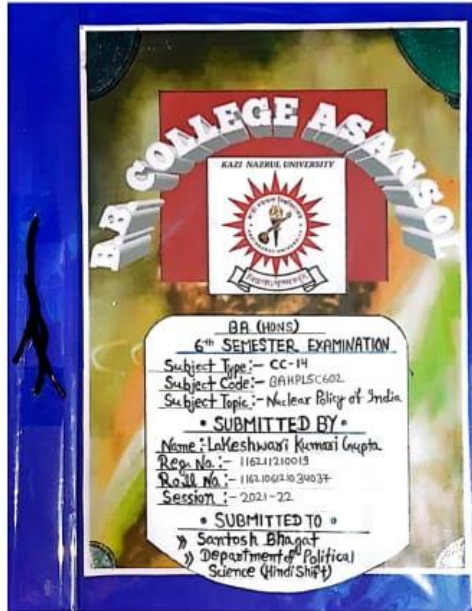
Edited 9:08 AM ✓



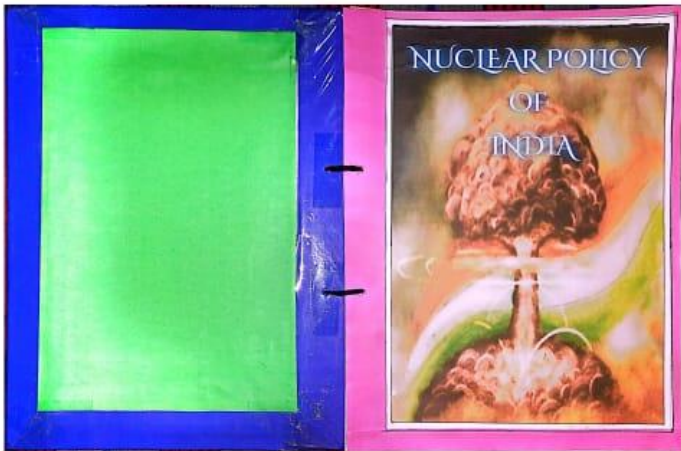
Piyali Banerjee

Message

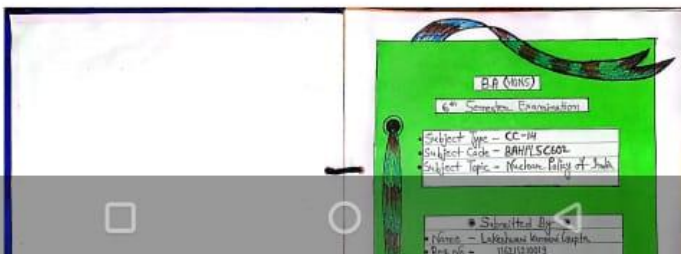


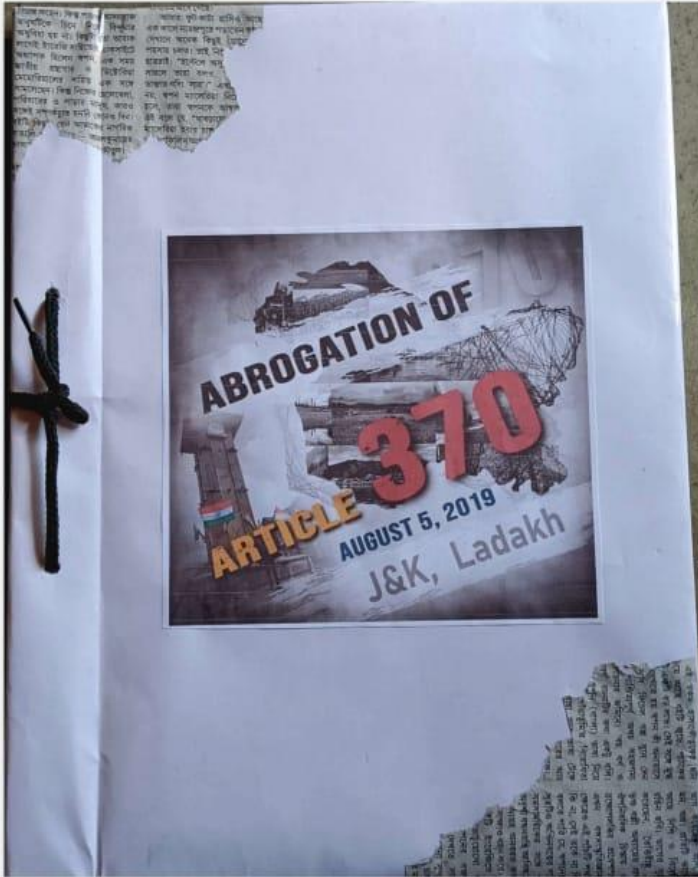


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KAZI NAZRUL UNIVERSITY
BB COLLEGE ASANSOL
B.A. (HONS) 6th SEMESTER EXAM
SUBJECT TYPE :- CC14
SUBJECT CODE :- BAHPLSC602
PROJECT TOPIC :- JAMMU-KASHMIR AND LADAKH
AFTER THE REMOVAL OF
ARTICAL 370
SUBMITTED BY
NAME :- PRIYANKA RAJAK
REG. NO. :- 116211210240
ROLL NO. :- 1162106121034076
SESSION :- 2021-22
SUBMITTED TO :- SANTOSH BHAGAT
DEPARTMENT OF POLITICAL SCIENCE
(HINDI SHIFT)
B.B. COLLEGE ASANSOL

KAZI NAZRUL UNIVERSITY



PROJECT TOPIC :- VOTEING BEHAVIOUR IN INDIA

SUBJECT TYPE: CC-14
SUBJECT CODE : BAHPLSC602

Submitted By

Name :- SUNIDHI SINGH
Reg No :- KNU116211210046
Roll No :- 1162106121034107
Session :- 2021-2022

SUBMITTED TO : SANTOSH BHAGAT (HOD),PAWAN GURUNG
QUEEN SINHA

B. A (HONOURS) 6th SEMESTER
DEPARTMENT OF POLITICAL SCIENCE (HINDI SHIFT)
B.B COLLEGE ASANSOL

.....
आभार
.....

इस परियोजना की सफलतापूर्वक पूरा करने में
मैंने बहुत से लोगों ने मेरी सहायता की है उन
सभी लोगों की धन्यवाद देना चाहूँगी।

**BANWARILAL BHALOTIA COLLEGE,
ASANSOL**



**A PROJECT REPORT ON
UNITED NATION ECONOMIC AND SOCIAL COUNCIL
ACADEMIC YEAR-2021-2024
DEPARTMENT OF POLITICAL SCIENCE (HONS), HINDI SHIFT**

PROJECT SUBMITTED BY

STUDENT NAME- PAYAL SAHANI
REGISTRATION NUMBER- 116211210037 ROL NO-1162106121034062
COURSE NAME-PROJECT COURSE CODE-BAHPLSC602
DATE OF SUBMISSION- 28.06.2024

UNDER THE GUIDANCE

OF

**SANTOSH BHAGAT (H.O.D)
ASSISTANT PROFESSOR**

ACKNOWLEDGEMENT

I would like to extend my sincere and heartfelt thanks towards all those who have helped me in making this project. Without their active guidance, help, cooperation and encouragement, I would not have been able to present the research project on time.

I extend my sincere gratitude to our HOD Santosh Bhagat and all the other teachers for their moral support and guidance during the course of my project.

BB COLLEGE ASANSOL

KAZI NAZRUL UNIVERSITY



B.A (HONOURS) 6TH SEMESTER EXAMINATION

SUBJECT TYPE:- CC-14

SUBJECT CODE:- BAHPLSC602 .

PROJECT TOPIC:- DEFECTION IN INDIAN POLITICAL SYSTEM.

SUBMITTED BY

NAME:- MD. AHMAD RAZA.

REG NO:- 116211210048.

ROLL NO:- 1162106121034047.

SESSION:- 2021-22 .

DEPARTMENT OF POLITICAL SCIENCE (HINDI SHIFT)



Banwarilal Bhalotia College

Affiliated to KAZI NAZRUL UNIVERSITY, Asansol

(Govt. Sponsored U G & P G College)

Asansol- 713303, West Bengal (INDIA)

Phone : 0341-2274942

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 DEFECTION IN INDIAN POLITICAL SYSTEM. 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. MD. AHMAD RAZA Roll No. 1162106121034047 & Registration No. 116211210048 of 2021 - 2022 In the Academic Session 2024 Under my guidance.

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

Sl No.	Name of Student	Title of Project	Supervisor
108.	AARTI UPADHYAY	Globalization: A Review	SANTOSH BHAGAT
109.	ABHINASH PRASAD	Thomas Hobbes	SANTOSH BHAGAT
110.	AKANSHA MAHATO		SANTOSH BHAGAT
111.	AMAN KUMAR YADAV	Indian parliamentary system	SANTOSH BHAGAT
112.	ANIKET KUMAR SHAW		SANTOSH BHAGAT
113.	ANJANI KUMARI	Ethnic Conflict in Srilanka	SANTOSH BHAGAT
114.	ANJU GOPE	Electoral bonds	SANTOSH BHAGAT
115.	ANJU RAJBHAR	Zila parishad	SANTOSH BHAGAT
116.	ANKITA KUMARI	democracy in India	SANTOSH BHAGAT
117.	ANSHU KUMARI	Gram Panchayat in India	SANTOSH BHAGAT
118.	ARCHANA THAKUR	World Bank	SANTOSH BHAGAT
119.	ARTI PASWAN	Feminist Ideology in Security Concern	SANTOSH BHAGAT
120.	ARTI KUMARI	Women empowerment	SANTOSH BHAGAT
121.	ASHISH PRASAD	Role of Media in Indian Politics	SANTOSH BHAGAT
122.	BEAUTY YADAV	Energy Security in India	SANTOSH BHAGAT
123.	DIPA KUMARI SINGH	UNO	SANTOSH BHAGAT
124.	DIPAK KUMAR SINGH	Impact of Terrorism on Human Rights	SANTOSH BHAGAT
125.	GOURAV RAJAK	Caste system in India	SANTOSH BHAGAT
126.	GOUTAM YADAV	Uniform Civil Code	SANTOSH BHAGAT
127.	GULNEHAR PARVEEN		SANTOSH BHAGAT
128.	ISHA KUMARI	Relation between India and Russia	SANTOSH BHAGAT
129.	ISHA KUMARI RAJAK	Local self-government in India	SANTOSH BHAGAT
130.	ISHA LOHAR	India-Russia Relations	SANTOSH BHAGAT
131.	JARINA KHATUN	Rule of Law	SANTOSH BHAGAT
132.	JYOTI KUMARI	New social movement	SANTOSH BHAGAT
133.	KALPANA DAS	Energy Security	SANTOSH BHAGAT
134.	KARINA KUMARI HARI	SAARC	SANTOSH BHAGAT
135.	KARISHMA KUMARI BHAR	Growth of local self-government in India	SANTOSH BHAGAT
136.	KHUSHI PARWEEN	Sino-Indian border dispute	SANTOSH BHAGAT
137.	KOUSHIK KUMAR NONIA	The Evolution of panchayati System, 1947-1992	SANTOSH BHAGAT
138.	KUSUM MISHRA	Women Empowerment in India: Role of the women in local self-government	SANTOSH BHAGAT
139.	LAKESHWARI KUMARI GUPTA	Nuclear Policy of India	SANTOSH BHAGAT
140.	LAKSHMI KUMARI RAM		SANTOSH BHAGAT
141.	MAHIMA KUMARI	Relation between India Bangladesh	SANTOSH BHAGAT
142.	MALA KUSHWAHA	Narmada Bachao Andolan	SANTOSH BHAGAT
143.	MAMTA KUMARI	United Nation Human Rights Commission	SANTOSH BHAGAT
144.	MANISH KUMAR SHARMA	Sustainable Development	SANTOSH BHAGAT
145.	MANISHA KUMARI CHOWDHARY	Indian Polity Since 2014	SANTOSH BHAGAT
146.	MANSHI KUMARI NONIA	Kautilya Ka Saptang Sidhdant	SANTOSH BHAGAT
147.	MASUM KHATUN	India-Bhutan Relations	SANTOSH BHAGAT
148.	MD AHMAD RAZA	Defection in Indian Politics	SANTOSH BHAGAT

149.	MOHINI KUMARI VISHWAKARMA	India-Pakistan Relations	SANTOSH BHAGAT
150.	NANDINI BURMAN	India-Bangladesh Relations	SANTOSH BHAGAT
151.	NANDINI KUMARI NONIA	Tribal Self Governance	SANTOSH BHAGAT
152.	NASHRIN PARWEEN	Electoral Process in India	SANTOSH BHAGAT
153.	NASIM ANSARI	Fundamental Rights in India	SANTOSH BHAGAT
154.	NAVARATRI KUMARI	Panchayati Raj in India	SANTOSH BHAGAT
155.	NEHA KUMARI	One nation one election	SANTOSH BHAGAT
156.	NEHA KUMARI	India-Afghanistan relation	SANTOSH BHAGAT
157.	NEHA SHARMA	Women Participation in Politics	SANTOSH BHAGAT
158.	NEHA SINGH	Panchayati Raj	SANTOSH BHAGAT
159.	NIHARIKA PASWAN	Social movements	SANTOSH BHAGAT
160.	NIKITA CHOUDHURY	National Human Rights Commission of India	SANTOSH BHAGAT
161.	NISHA KUMARI	Security Council of the UN	SANTOSH BHAGAT
162.	NISHA KUMARI	India-China Relations	SANTOSH BHAGAT
163.	PAYAL SAHANI	United Nation Social & Economic Council	SANTOSH BHAGAT
164.	PAYAL SINGH	A Study of Position of Indian Prime Minister	PAWAN GURUNG
165.	PRATIVA ROY	Utopian Socialism	PAWAN GURUNG
166.	PRITI KUMARI	Relation of India and Pakistan	PAWAN GURUNG
167.	PRITY HEMBRAM	Tribal movement at deucha pachami	PAWAN GURUNG
168.	PRITY RAJAK	Association of south East Asian nations	PAWAN GURUNG
169.	PRIYA KUMARI	Local Government in India	PAWAN GURUNG
170.	PRIYA KUMARI BARNWAL	Tamils in Srilanka	PAWAN GURUNG
171.	PRIYA KUMARI MAHTO	Political Thought of Kautilya	PAWAN GURUNG
172.	PRIYA THAKUR	Article 370	PAWAN GURUNG
173.	PRIYANKA KUMARI	India-USA relations	PAWAN GURUNG
174.	PRIYANKA KUMARI NONIA	India-Pakistan Relations	PAWAN GURUNG
175.	PRIYANKA RAJAK	Abrogation of Article 370	PAWAN GURUNG
176.	PUJA TURI	Indian Constitution & Landmark Judgements	PAWAN GURUNG
177.	PUNAM KUMARI NONIA	SAARC	PAWAN GURUNG
178.	PURNIMA KUMARI SHAW	Relation between India and Pakistan	PAWAN GURUNG
179.	RAHUL PRASAD	73 rd Constitutions Amendment Act	PAWAN GURUNG
180.	RAJ KUMAR THAPA	Democratic Discourse in India	PAWAN GURUNG
181.	RAJEEV YADAV	Singur Movement	PAWAN GURUNG
182.	RAJIV RAY	Fundamental Rights in India	PAWAN GURUNG
183.	RAKHI KUMARI BISHWAKARMA	Chipko Movement	PAWAN GURUNG
184.	RAKHI SINGH	Role of Pressure Groups in Indian Politics	PAWAN GURUNG
185.	RANI NUNIA	SAARC	PAWAN GURUNG
186.	RIANTI ROY	Human Rights and Child Labour	PAWAN GURUNG
187.	RIMA PRASAD	India-Pakistan Relations	PAWAN GURUNG
188.	RIYA BURNWAL	Silent Valley Movement	PAWAN GURUNG
189.	RIYA KUMARI MANDAL	UNO: Its Achievements and Prospects	PAWAN GURUNG
190.	RIYA RABIDAS	NHRC	PAWAN GURUNG
191.	RIYA SINGH	Social and economic council of UNO	PAWAN GURUNG

192.	ROSAN KUMAR THAKUR	Cold War	PAWAN GURUNG
193.	SAHEEN PARVEEN	Indian Party System	PAWAN GURUNG
194.	SALU BARNWAL	Right to Information	PAWAN GURUNG
195.	SAMREEN SABA	ASEAN	PAWAN GURUNG
196.	SANJAY KUMAR MANDAL	Chipko Movement	PAWAN GURUNG
197.	SARFARAZ QURAIHI	Nature of Indian Federalism	PAWAN GURUNG
198.	SIMMI SINGH ARORA	Kautilya	PAWAN GURUNG
199.	SONY KUMARI	Role of Pressure Groups	PAWAN GURUNG
200.	SUJIT KUMAR RAJAK	Elections in India	PAWAN GURUNG
201.	SUMAN KUMARI MAHATO	Utilitarianism in Political Thought	PAWAN GURUNG
202.	SUNIDHI SINGH	Voting behaviour in India: An Analysis	PAWAN GURUNG
203.	SUNITA KUMARI NONIA	Electoral Reforms in India	PAWAN GURUNG
204.	SUNITA PASWAN	Women empowerment in India	PAWAN GURUNG
205.	SUNITA SHAW	Election and Representation	PAWAN GURUNG
206.	SWEETY BURMAN	Indian Judiciary	PAWAN GURUNG
207.	TANNU SINGH	Indian Federalism: Continuity and Changes	PAWAN GURUNG
208.	TANU SRI SHARMA	India Constitution	PAWAN GURUNG
209.	TANUJA KHATOON	India-China Relations	PAWAN GURUNG
210.	VICKY KUMAR	UNSC	PAWAN GURUNG
211.	VICKY KUMAR PRASAD	United Nation Human Rights Commission	PAWAN GURUNG
212.	VISHAL KUMAR MONDAL	Women Empowerment	PAWAN GURUNG
213.	ZINAT TAMANNA	Relation between India or Sri Lanka	PAWAN GURUNG
214.	MUSKAN PARBEEN	Climate Change	PAWAN GURUNG



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ASANSOL- 713303, WEST BENGAL (INDIA)

DEPARTMENT OF POLITICAL SCIENCE (DAY SHIFT)

**PROJECT STATUS REPORT OF CORE-14 OF BA HONS. IN
POLITICAL SCIENCE VI SEMESTER- 2023-2024**

PROJECT NAME	CORE-14(BAHPLSC602)
REPORTING PERIOD	10 TH January,2024- 24 th May, 2024
REPORTING DATE	6 th June, 2024
PROJECT SUPERVISOR	Dr. Kakali Kundu
COURSE	BA Hons in Political Science
SEMESTER	VI
SESSION	2021- 2024

Signature of the Head of the Department

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ASANSOL- 713303, WEST BENGAL (INDIA)

DEPARTMENT OF POLITICAL SCIENCE (DAY SHIFT)

Name of the supervisor for the project (C 14)

B.A. Honours in Political Science VI semester

Project C- 14 (Session-2021-2024 & Academic year 2023-2024)

1	102211210609	1022106121034001	AANCHAL SHARMA	Dr. KAKALI KUNDU
2	102211210418	1022106121034002	AATKAH PERWEEN	Dr. KAKALI KUNDU
3	102211210332	1022106121034003	ABDUL RAHMAN	Dr. KAKALI KUNDU
4	102211210624	1022106121034004	AFREEN KHATOON	Dr. KAKALI KUNDU
5	102211210487	1022106121034005	AFSANA KHATOON	Dr. KAKALI KUNDU
6	102211210417	1022106121034006	ALISHA FIRDOSE	Dr. KAKALI KUNDU
7	102211210381	1022106121034007	ALTAF REZA	Dr. KAKALI KUNDU
8	102211210484	1022106121034008	ANGELLA SWAMY	Dr. KAKALI KUNDU
9	102211210188	1022106121034009	ANUSHMITA AICH	Dr. KAKALI KUNDU
10	102211210218	1022106121034010	APRATIM CHATTERJEE	Dr. KAKALI KUNDU
11	102211210250	1022106121034011	ARGHA ROY	Dr. KAKALI KUNDU
12	102211210640	1022106121034014	BARSHA KUMARI	Dr. KAKALI KUNDU
13	102211210636	1022106121034016	CHHANDA GOPE	Dr. KAKALI KUNDU
14	102211210134	1022106121034017	DARAKHSHAN ANJUM	Dr. KAKALI KUNDU
15	102211210302	1022106121034019	DOLAN GHAR	Dr. KAKALI KUNDU
16	102211210323	1022106121034020	GULISHTAN PARWEEN	Dr. KAKALI KUNDU
17	102211210441	1022106121034021	HEENA PARWEEN	Dr. KAKALI KUNDU
18	102211210333	1022106121034022	JANNAT NISHA	Dr. KAKALI KUNDU
19	102211210644	1022106121034023	KAHKASHAN ANJUM	Dr. KAKALI KUNDU
20	102211210604	1022106121034025	LAXMI BOURI	Dr. KAKALI KUNDU
21	102211210168	1022106121034026	MANASHI DEY	Dr. KAKALI KUNDU

22	102211210346	1022106121034027	MD AMAN IQBAL	Dr. KAKALI KUNDU
23	102211210641	1022106121034028	MD ASHIQULLAH KHAN	Dr. KAKALI KUNDU
24	102211210613	1022106121034029	MD SAQLAIN IQBAL	Dr. KAKALI KUNDU
25	102211210230	1022106121034030	MD SOHAIL KHAN	Dr. KAKALI KUNDU
26	102211210187	1022106121034031	MONIKA VERMA	Dr. KAKALI KUNDU
27	102211210445	1022106121034033	NAHID MAHJABEEN	Dr. KAKALI KUNDU
28	102211210608	1022106121034034	NAZIA PARWEEN	Dr. KAKALI KUNDU
29	102211210522	1022106121034035	NAZISH TABASSUM	Dr. KAKALI KUNDU
30	102211210432	1022106121034036	NEHA KUMARI RAJBHAR	Dr. KAKALI KUNDU
31	102211210460	1022106121034037	NISHA BHATTACHARJEE	Dr. KAKALI KUNDU
32	102211210141	1022106121034038	NISHAT PARWEEN	Dr. KAKALI KUNDU
33	102211210280	1022106121034039	OM SINGH	Dr. KAKALI KUNDU
34	102211210611	OFFLINE	PARAMITA DEY	Dr. KAKALI KUNDU
35	102211210305	1022106121034041	PUJA MAJI	Dr. KAKALI KUNDU
36	102211210269	1022106121034042	PUNAM KUMARI BHAGAT	Dr. KAKALI KUNDU
37	102211210425	1022106121034046	RIYA GHOSH	Dr. KAKALI KUNDU
38	102211210160	1022106121034050	SAHEBA PARWEEN	Dr. KAKALI KUNDU
39	102211210047	1022106121034052	SANA PARWEEN	Dr. KAKALI KUNDU
40	102211210104	1022106121034055	SANA PARWEEN	Dr. KAKALI KUNDU
41	102211210162	1022106121034053	SANA PARWEEN	Dr. KAKALI KUNDU
42	102211210544	1022106121034054	SANA PARWEEN	Dr. KAKALI KUNDU
43	102211210139	1022106121034056	SARWAT NEGAR	Dr. KAKALI KUNDU
44	102211210219	1022106121034057	SHAGAF ARZOO	Dr. KAKALI KUNDU
45	102211210481	1022106121034058	SHAMMA PARVEEN	Dr. KAKALI KUNDU

46	102211210046	1022106121034059	SHAZIA RAHBAR	Dr. KAKALI KUNDU
47	102211210019	1022106121034060	SHILPI MONDAL	Dr. KAKALI KUNDU
48	102211210138	1022106121034061	SHREYA HAZRA	Dr. KAKALI KUNDU
49	102211210467	1022106121034062	SHREYA SINGHA	Dr. KAKALI KUNDU
50	102211210256	1022106121034063	SOUMYADEEP BANERJEE	Dr. KAKALI KUNDU
51	102211210500	1022106121034064	SOURAV MALI	Dr. KAKALI KUNDU
52	102211210620	1022106121034065	SWETA KUMARI	Dr. KAKALI KUNDU
53	102211210619	1022106121034066	SYEDA KANIZ FATMA	Dr. KAKALI KUNDU
54	102211210436	1022106121034067	TAIBA PARWEZ	Dr. KAKALI KUNDU
55	102211210288	1022106121034068	TAMANNA PARWEEN	Dr. KAKALI KUNDU
56	102211210073	1022106121034069	UMA BHAGAT	Dr. KAKALI KUNDU
57	102211210185	1022106121034070	YUSRA AFREEN	Dr. KAKALI KUNDU
58	102211210476	OFFLINE	ZAINAB BIBI	Dr. KAKALI KUNDU

Department of Political Science(day shift) successfully supervised 58 project work done by BA Honours in Political Science VI semester students of 2021-24 session during January 2024-May2024 under the supervision of Dr. Kakali Kundu, an Assistant Professor, Department of Political Science, B.B. College, Asansol. Those project works were done on various topics of the discipline of Political Science and its allied subjects, for instance, Women's participation in Indian Politics, Domestic Violence, Child Labour, Dowry System, Terrorism, India-Bangladesh Relations, India- Nepal Relations, India- India-Bhutan relations and so on. Students submitted their project papers in 85 teaching days followed by viva voce conducted by the Department. The following guidelines were laid down for the purpose of project works

General Guide Lines for Project Writing

1. Students must select their topic from the discipline of Political Science and its allied subjects.
2. Total Marks 50, out of which 30 marks internal and 20 marks external.
3. External assessment will be made through viva voce.
4. Students have to select different topics.

- The department will give systematic classes for selecting topics and for the proper project works.

SUPPORTING DOCUMENTS

B.A Honours & Programmes in Political Science: CBCS
University

SYLLABUS: Kazi Nazrul

SEMESTER VI

Course Name: PROJECT

Course Code: BAHPLSC602

Course Type: C	Course Details: CC14		L-T-P: 0-0-12		
Credit:6	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		50	-	50	-

General Guide Lines

- Students must write their papers from within the discipline of Political Science and its Allied subject.
- Total Marks 50. Internal-30 marks and External marks-20
- External Evaluation will be made through viva-voce.
- External Evaluation will be made through the continuous evaluation process by the respective Supervisor.
- Name of the external examiner will be send by the course coordinator of the university PG department of Political Science to the Controller/Dy. Controller of Examinations of the University and then University will send all the colleges.
- In respect of the preparation of the project special emphasis will be given on Research Methodology.
- Each student will select separate Topic
- Institution will give the priority of the choice of the students regarding the selection of the topic of their choice.

Suggest Readings

Kothari, C.R, *Research Methodology* (New Delhi:PHI).

Ahuja, Ram, *Research Methods* (New Delhi: Rawat Publications).

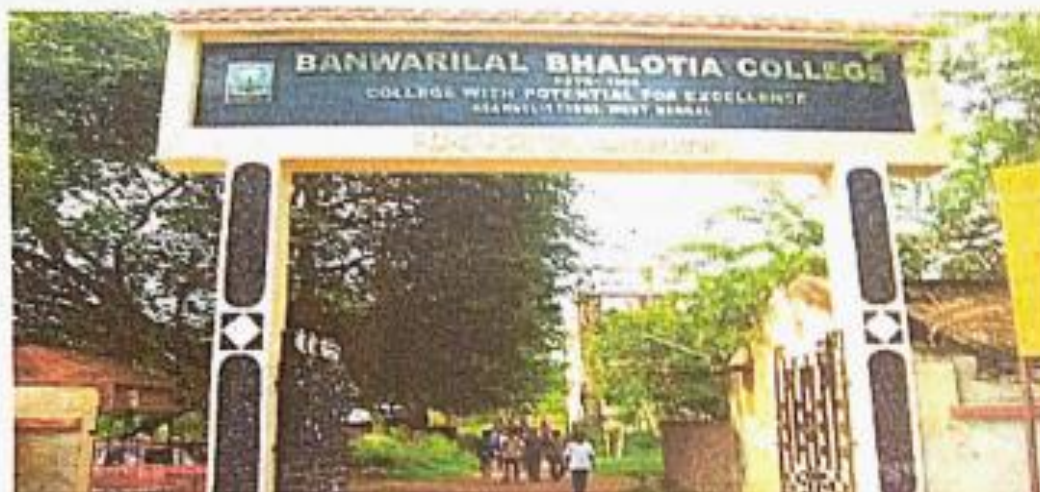
Majumder, P.K., *Research Methods in Social Sciences* (New Delhi, Viva Books,)

TOPIC OF PROJECT

BETI BACHAO BETI PADHAO

(V)

UNDER THE SUPERVISION OF DR. KAKALI KUNDU



B.A. (HONOURS) VI SEMESTER EXAMINATION 2024

SUBMITTED BY : ANCHAL SHARMA
UNIVERSITY ROLL NO. : 1022103121034001
REGISTRATION NO. : 102211210609
SESSION : 2021-2024
COURSE CODE : BAHPLSC602
COURSE TYPE : CC-14 (PROJECT)

DEPARTMENT OF POLITICAL SCIENCE
BANWARILAL BHALOTIA COLLEGE (B.B. COLLEGE)

ASANSOL

AFFILIATED TO KAZI NAZRUL UNIVERSITY, WEST BENGAL (INDIA)

Anch

Kakali Kundu
28.6.24

BANWARILAL BHALOTIYA COLLEGE



PROJECT ON POLITICAL SCIENCE

TOPIC NAME : UNEMPLOYMENT PROBLEM

IN SOCIETY

STUDENT'S NAME :

SUPERVISOR NAME :

SHREYA SINGHA

DR. KAKALI KUNDU

REGISTRATION NO : 102211210467

ROLL NO :1022106121034062

PAPER CORE : CC-14 (6th SEMESTER)

SESSION : 2021-2022

SUBMISSION DATE : 22.06.2024

**BANWARILAL BHALOTIA COLLEGE
ASANSOL**



PROJECT ON
Relationship between India & Bhutan

NAME: SOURAV MALI

REG NO: 102211210500 (2021-22)

ROLL NO: 1022106121034064

SEMESTER: VI

PAPER: CC-14

NAME OF SUPERVISOR: MRS. KAKALI KUNDU

DEPARTMENT: POLITICAL SCIENCE

DATE: 22/06/2024

Banwarilal Bhalotia College



POLITICAL SCIENCE PROJECT

প্রকল্প: শিক্ষার অধিকার আইন ও তার বাস্তবায়ন: স্কুলছুটের সমস্যা

Name- Soumyadeep Banerjee

Roll No.- 1022106121034063

Registration No.-102211210256

Session- 2021-22

Stream- B.A Honors in Political Science

Department- Political Science

Paper- Core-14

Year- 3rd year (6th semester)

Name of The Supervisor- Dr. Kakuli Kundu

A red handwritten signature or mark, possibly a stylized 'A' or a similar character, located to the right of the registration number.

9
BANWARILAL BHALOTIA
COLLEGE ASANSOL

RESEARCH TOPIC- DOMESTIC VIOLENCE

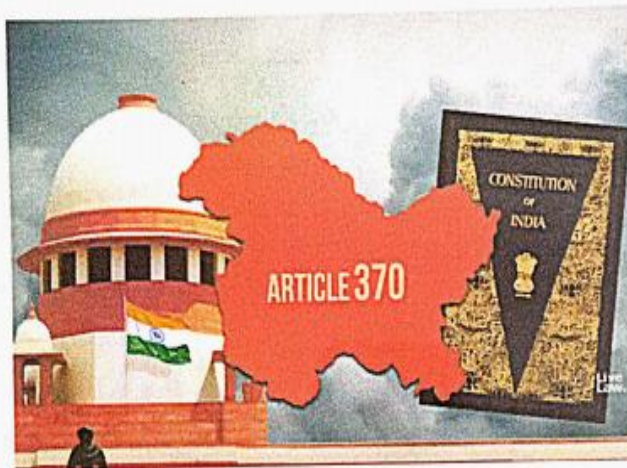


STOP
DOMESTIC
VIOLENCE

RESEARCH PROJECT
PRESENTED BY

- NAME: SHAZIA RAHBAR
- REGISTRATION NO. 102211210046
- ROLLNO. 1022106121034059
- DEPARTMENT: POLITICAL SCIENCE (6th Sem)
- SUBMITTED TO: KAKULI KUNDU
- DATE OF SUBMISSION: 22.6.2024 SIGNATURE

BANWARILAL BHALOTIA COLLEGE



TOPIC: *Article 370*

NAME : SHREYA HAZRA
ROLL NO : 1022106121034061
REGISTRATION No : 102211210138
SUBJECT : POLITICAL SCIENCE
PAPER : CORE 14
SESSION : 2021-2022

Shreya

Shreya
29/08/24

Students and their selected topics

SL NO	Enrolment No	Name of Student	Title of Project	SUPERVISOR
1	102211210609	AANCHAL SHARMA	VARIOUS GOVT. PROGRAMMES- BETIBACHAO, SWACHTABHARAT	Dr. KAKALI KUNDU
2	102211210418	AATKAH PERWEEN	WOMEN PARTICIPATION IN INDIAN POLITICS	Dr. KAKALI KUNDU
3	102211210332	ABDUL RAHMAN	GOOD GOVERNANCE	Dr. KAKALI KUNDU
4	102211210624	AFREEN KHATOON	74 TH CONSTITUTIONAL AMENDMENT ACT	Dr. KAKALI KUNDU
5	102211210487	AFSANA KHATOON	NARMADA BACHAO ANDAL	Dr. KAKALI KUNDU
6	102211210417	ALISHA FIRDOSE	POLITICAL PROCESS IN INDIA	Dr. KAKALI KUNDU
7	102211210381	ALTAF REZA	SECULARISM	Dr. KAKALI KUNDU
8	102211210484	ANGELLA SWAMY	DEVELOPMENT OF PANCHAYAT SYSTEM	Dr. KAKALI KUNDU
9	102211210188	ANUSHMITA AICH	BEGGARY IN INDIA: COMPULSION	Dr. KAKALI KUNDU
10	102211210218	APRATIM CHATTERJEE	SHIFT FROM CAPITALISM TO SOCIALISM	Dr. KAKALI KUNDU
11	102211210250	ARGHA ROY	FUNDAMENTAL RIGHTS	Dr. KAKALI KUNDU
12	102211210640	BARSHA KUMARI	UNTOUCHABILITY	Dr. KAKALI KUNDU
13	102211210636	CHHANDA GOPE	INDIA PAKISTAN CROSS BORDER RELATIONS	Dr. KAKALI KUNDU
14	102211210134	DARAKHSHAN ANJUM	RIGHT TO EQUALITY: INDIAN CONSTITUTION	Dr. KAKALI KUNDU
15	102211210302	DOLAN GHAR	POURA UNNAYA WORD COMMITTEE BHUMIKA	Dr. KAKALI KUNDU
16	102211210323	GULISHTAN PARWEEN	RELATIONS BETWEEN INDIA AND BANGLADESH	Dr. KAKALI KUNDU
17	102211210441	HEENA PARWEEN	BUDGET PROCESS	Dr. KAKALI KUNDU
18	102211210333	JANNAT NISHA	CHILD MARRIAGE IN SOCIETY	Dr. KAKALI KUNDU
19	102211210644	KAHKASHAN ANJUM	POLITICAL DEVELOPMENT IN INDIA	Dr. KAKALI KUNDU

20	102211210604	LAXMI BOURI	SAMAJER UPAR SOCIAL MEDIAER BHUMIKA	Dr. KAKALI KUNDU
21	102211210168	MANASHI DEY	INTERNATIONAL RELATION BETWEEN INDIA AND NEPAL	Dr. KAKALI KUNDU
22	102211210346	MD AMAN IQBAL	ROLE OF ASANSOL MUNICIPALITY	Dr. KAKALI KUNDU
23	102211210641	MD ASHIQULLAH KHAN	PLATO'S THEORY OF JUSTICE	Dr. KAKALI KUNDU
24	102211210613	MD SAQLAIN IQBAL	GOOD GOVERNANCE	Dr. KAKALI KUNDU
25	102211210230	MD SOHAIL KHAN	INDIAN CONSTITUTION AND PROTECTION OF HUMAN RIGHTS	Dr. KAKALI KUNDU
26	102211210187	MONIKA VERMA	ENVIRONMENTAL PROBLEM IN ASANSOL	Dr. KAKALI KUNDU
27	102211210445	NAHID MAHJABEEN	TERRORISM IMPACT IN INDIA	Dr. KAKALI KUNDU
28	102211210608	NAZIA PARWEEN	CHILD LABOUR	Dr. KAKALI KUNDU
29	102211210522	NAZISH TABASSUM	PROBLEMS OF CHILD LABOUR IN RURAL AREAS	Dr. KAKALI KUNDU
30	102211210432	NEHA KUMARI RAJBHAR	JUSTICE	Dr. KAKALI KUNDU
31	102211210460	NISHA BHATTACHARJEE	PARIBESH RAKSHAY POURASABHAR BHUMIKA	Dr. KAKALI KUNDU
32	102211210141	NISHAT PARWEEN	SECULARISM IN INDIA	Dr. KAKALI KUNDU
33	102211210280	OM SINGH	INTERNATIONAL TERRORISM: IMPACT ON SOCIETY	Dr. KAKALI KUNDU
34	102211210611	PARAMITA DEY	SOCIAL MOVEMENT-CHIPKO MOVEMENT	Dr. KAKALI KUNDU
35	102211210305	PUJA MAJI	MAHILADER RAJNEETITE ANSHAGRAHAN	Dr. KAKALI KUNDU
36	102211210269	PUNAM KUMARI BHAGAT	SAFETY FOR HUMAN	Dr. KAKALI KUNDU
37	102211210425	RIYA GHOSH	RELATION BETWEEN INDIA AND CHINA	Dr. KAKALI KUNDU
38	102211210160	SAHEBA PARWEEN	DOWRY SYSTEM	Dr. KAKALI KUNDU
39	102211210047	SANA PARWEEN	RELATION BETWEEN INDIA AND AMERICA	Dr. KAKALI KUNDU
40	102211210104	SANA PARWEEN	HUMAN RIGHTS	Dr. KAKALI KUNDU

41	102211210162	SANA PARWEEN	THE TERRORISM	Dr. KAKALI KUNDU
42	102211210544	SANA PARWEEN	73 RD CONSTITUTIONAL AMENDMENT ACT	Dr. KAKALI KUNDU
43	102211210139	SARWAT NEGAR	HOW TO EFFECT POVERTY IN OUR SOCIAL ENVIRONMENT	Dr. KAKALI KUNDU
44	102211210219	SHAGAF ARZOO	MEDIA AND POLITICS	Dr. KAKALI KUNDU
45	102211210481	SHAMMA PARVEEN	GANDHI SWARAJYA AND TRUSTSHEEP	Dr. KAKALI KUNDU
46	102211210046	SHAZIA RAHBAR	DOMESTIC VIOLENCE	Dr. KAKALI KUNDU
47	102211210019	SHILPI MONDAL	LOKSABHAR GHATHAN AND KARJABALI	Dr. KAKALI KUNDU
48	102211210138	SHREYA HAZRA	ARTICLE 370	Dr. KAKALI KUNDU
49	102211210467	SHREYA SINGHA	UNEMPLOYMENT PROBLEM IN SOCIETY	Dr. KAKALI KUNDU
50	102211210256	SOUMYADEEP BANERJEE	RIGHT TO FREEDOM	Dr. KAKALI KUNDU
51	102211210500	SOURAV MALI	INTERNATIONAL RELATIONS BETWEEN INDIA AND BHUTAN	Dr. KAKALI KUNDU
52	102211210620	SWETA KUMARI	IMPACT OF POVERTY ON EDUCATION	Dr. KAKALI KUNDU
53	102211210619	SYEDA KANIZ FATMA	INTERNATIONAL FINANCIAL INSTITUTIONS; WORLD BANK AND IMF	Dr. KAKALI KUNDU
54	102211210436	TAIBA PARWEZ	LIBERALISM	Dr. KAKALI KUNDU
55	102211210288	TAMANNA PARWEEN	WOMEN EMPOWERMENT	Dr. KAKALI KUNDU
56	102211210073	UMA BHAGAT	WOMEN IN STEAM AND DEVELOPMENT OF INDIA	Dr. KAKALI KUNDU
57	102211210185	YUSRA AFREEN	ILLITERACY AND ITS IMPACT ON THE DEVELOPMENT OF THE SOC <u>SOCIETY</u>	Dr. KAKALI KUNDU
58	102211210476	ZAINAB BIBI	CONSTITUTION OF INDIA	Dr. KAKALI KUNDU

BANWARILAL BHALOTIA COLLEGE, ASANSOL.

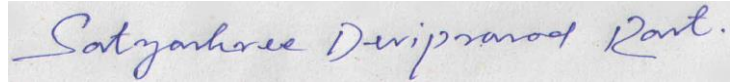
DEPARTMENT OF EDUCATION

PROJECT STATUS REPORT OF SEC-I, OF BA HONS IN EDUCATION,

1ST SEMESTER 2023-24

Project Summary

SEMESTER	1
PAPER	SEC
PAPER NAME	COMPUTER APPLICATION IN EDUCATION
PAPER CODE	BAEDCSEC101
SESSION	2023-24
REPORTING PERIOD	15TH NOV – 5TH DECEMBER



HoD

Satyashree Rout.
Department of Education.

SKILL ENHANCEMENT COURSE

DEPARTMENT OF EDUCATION , B.B.COLLEGE ,ASANSOL

1st SEM 2023-24

SYLLABUS.

Course Name: **Computer Application in Education**

Course Code: **BAEDCSE101**

Course Type: SEC	Course Details: SEC-1		L-T-P: 1-0-4		
Credit: 3	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		30		20	

Course Learning Outcomes:

After going through this course, the students will have ability to-

1. apply various computer applications in the field of education.
2. perform fundamental works in MS WORD.
3. perform fundamental works in MS EXCEL.
4. perform fundamental works in MS POWER POINT.
5. use internet for learning purpose.

Course Content: Theory

Unit -I: Introduction to Computer and Internet in Education

- Computer and its role in education; Basic concept of Hardware and Software.
- Computer Network and Internet.
- E-mail, Search Engines, Safe Surfing Mode, E-learning Resources, Social networking

Unit-II: Basics of MS WORD

- Preparation of a word document.
- Designing a colourful merit certificate.
- Preparation of a reference list using APA format

Unit-III: Basics of MS EXCEL

- Calculating total and Average.
- Mark sheet preparation.
- Graphical representation of data: Pie-Chart & Bar-graph

Unit-IV: Basics of MS POWERPOINT

STUDENTS LIST OF 1ST SEMESTER

SL NO	NAME
1	AKRITI YADAV
2	BABY KUMARI
3	DEBJANI ROY
4	KAJAL KUMARI
5	KOUSHANI CHATTARJEE
6	MANOJ SOREN
7	NEHA PARWEEN
8	PAPRI MONDAL
9	RIYA LOHAR
10	ROOQAIYA SHABNAM
11	SADAF ANJUM
12	SAFINA ANJUM
13	SAMIA AHAMED
14	SANA PARWEEN
15	SAZIA FIRDOUS
16	SAZIA PARWEEN
17	SHAMA KHATOON
18	SUBHAM CHANDRA THAKUR
19	ZEESHAN KHAN

SUPPORTING DOCUMENTS;

1. Question.

2023
1st Semester
SEC-1
Discipline : EDUCATION
INTERNAL PRACTICAL
Course Name: Computer Application in Education.
Course Code:BAEDCSEC-101

[Full Marks -30]

Answer any three questions. Each question carries 10 marks. (3×10=30)

- Q.1. Design a colourful merit certificate mentioning the event name, date, venue...etc on landscape orientation and appropriate design border around the document.
- Q.2. Calculate and show the Total marks and average of each students and represent the data through Pie-chart & Bargraph. Full marks of each of the paper is 100. (In Excel Format)

SUBJECT	ENGLISH	EDUCATION	HISTORY	SANSKRIT	BENGALI	HINDI
NAME						
A	45	56	76	56	34	50
B	74	54	38	83	65	43
C	65	56	87	90	36	53
D	76	56	49	69	76	63
E	56	62	74	36	72	29
F	78	67	76	34	26	30
G	39	43	65	49	50	61
H	46	57	64	58	55	53
I	54	55	65	69	75	54
J	77	67	67	53	30	49

- Q.3. Prepare a departmental routine containing any 6 subjects. The time starts at 10.00 am and ends at 4.00 pm with 30 minutes recess time at 1.00 pm.

Specifications: 1. The first line should mention the name of the department in 14 size font, New Roman, Bold .

2. The second line mention the academic year (2022-23).

3. Rows-periods, Columns-denoting days

4. type the routine mentioning name of the paper and initial of the teachers.

- Q.4. Create a power point on any of your favourite topic with 6 separate slides - , each slide title must be in bold & capital letter(Times New Roman) , Texts and slides should be of same colours.

- Q.5. Type an article on the causes of National Disintegration in 500 words.

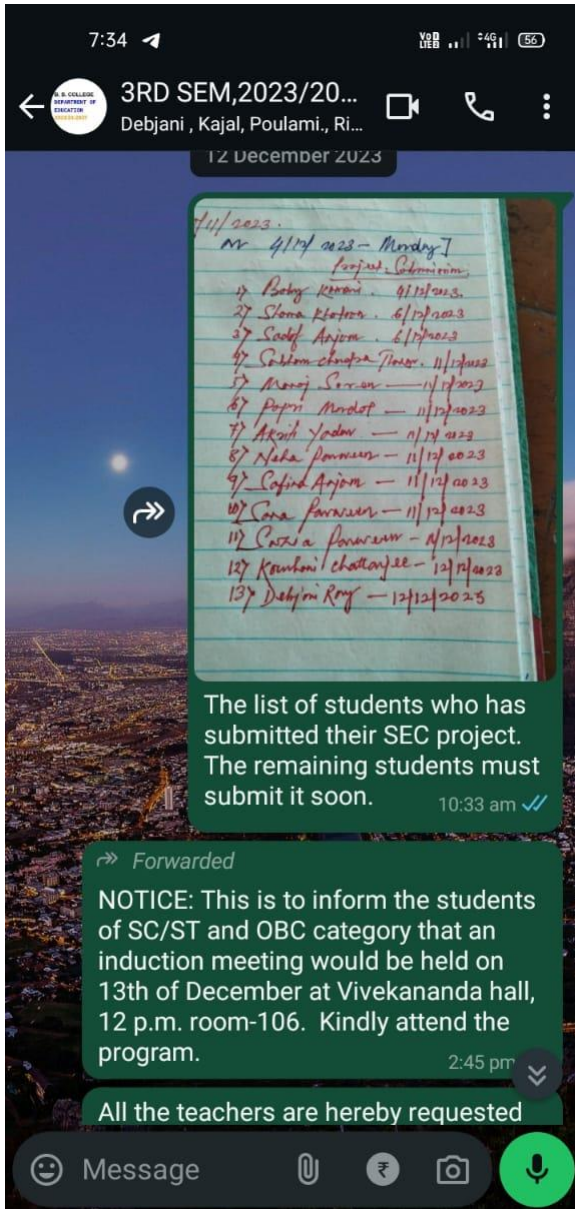
With the following -*specification.*

i) Text in times New Roman ,font size 12.

ii) Title font size is 16 & Bold with highlight.

iii) Alignment of text should be in Justify mode .

iv) Must add a mind map of national disintegration.



2.

3. Notice for External Examination.

SEC PRACTICAL NOTICE 2024.
BANWARILAL BHALOTIA COLLEGE, ASANSOL.

Dear Students, Your SEC Practical of Computer Application On Education, Course Code-BAEDCSE101 will be held on 14/03/2023 (Thursday). All are requested to present in the department at 11am. No absence without valid reason will be entertained.

HoD
Satyashree Rout.
Dated: 11/03/2024

4. Students Final Project Submission.

1st Semester

Education Pratical

2023

Presented by:
MANOJ SOREN

Q.202
14/02

Q.202
12/2023

Q.202
14/02/2023

HAZI NAZRUL UNIVERSITY



An Internal Project on
Computer Application in Education



NAME: SAZJA PARWEEN

REGISTRATION NO: -

ROLL NUMBER:

DISCIPLINE: Education

COURSE NAME: - COMPUTER APPLICATION IN EDUCATION

COURSE CODE: BAHEDCSEC-101

1st Semester

Department of Education
Banwarilal Bhalotia College, Asansol
Session-2023

Handwritten signature and date
17/11/23

1st Semester


Department of Education,
B.B. College, Anant.

Education Practical

2023

Presented by:
Shubham Chandra Thakur

Shubham Chandra Thakur
2023



**An Internal Project on
Computer Application in Education
Course Code : BAHEDCSEC-101**

Submitted By

Name:-Shama Khatoon

Registration No.:-

Roll No.:-

1st Semester

B.A Hons in Education

**Department of Education
Bawarilal Bhalotia College, Asansol**

Year-2023



AN INTERNAL PROJECT ON
COMPUTER APPLICATION IN EDUCATION
COURSE CODE : BAEDCSE101

Submitted by : Safina Anjum
Roll Number :
Registration Number :

1st Semester
B.A Hons in Education

Department of Education
Banwarilal Bhalotia College, Asansol
Year-2023

Banwarilal
Bhalotia
College

KAZI NAZRUL UNIVERSITY



Banwarilal Bhalotia College, Asansol
Department of Education
1ST SEMESTER

AN INTERNAL ASSIGNMENT

ON COMPUTER APPLICATION IN EDUCATION



NAME:-SAZIA FIRDOUS

REGISTRATION NO: -

ROLL NUMBER:

DISCIPLINE: EDUCATION

COURSE NAME: - COMPUTER APPLICATION IN EDUCATION

COURSE CODE: BAHEDCSEC-101

SESSION-2023



**An Internal Project on
Computer Application in Education
Course Code : BAHEDSEC-101**

Submitted by:

**Name:-Sana Parveen
Registration No.:-
Roll No.**

1st Semester

B.A Hons in Education

**Department of Education
Banwarilal Bhalotia College, Asansol
Year-2023**



Graphic's

BANWAILAL BHALOTIA COLLEGE ASANSOL

DEPERMENT OF EDUCATION



SESSION-2023-2024

NAME- PAPRI MONDAL

SUBJECT- COMPUTER

APPLICATION IN EDUCATION

COURSE CODE - BAHEDCSEC – 101

SEMESTER- 1(B.A)

KAZI NAZRUL UNIVERSITY



AN INTERNAL PROJECT ON COMPUTER APPLICATION IN EDUCATION



NAME:- ROQAIYA SHABNAM

DISCIPLINE: EDUCATION

SUBJECT NAME: - COMPUTER APPLICATION IN EDUCATION

SUBJECT CODE:BAHEDCSEC101

Department of Education
Banwarilal Bhalotia College, Asansol
Session-2023

Roqaiya Shabnam
14/02/2023

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF EDUCATION

Session :- 2023-24

SUBJECT :- COMPUTER APPLICATION IN
EDUCATION.

COURSE CODE :- BAHEDCSEC -302

SUBMITTED BY

NAME :- RIYA LOHAR

SEMESTER :- 1 (B.A PART 1)

ACDEMIC SESSION :- 2023 -2026

Subant
4/10/2024

KAZI NAZRUL UNIVERSITY



An Internal Project on Computer Application in Education



NAME: -NEHA PARWEEN

REGISTRATION NO: -

ROLL NUMBER:

DISCIPLINE: Education

COURSE NAME: - COMPUTER APPLICATION IN EDUCATION

COURSE CODE: BAHEDCSEC-101

1st Semster

Department of Education
Banwarilal Bhalotia College, Asansol
Session-2023

Handwritten signature and date: 14/11/2023

BANWARIL BHALOTIA COLLEGE ASANSOL
DEPARTMENT OF EDUCATION



SESSION :- 2023-24

**SUBJECT :- COMPUTER
APPLICATION IN EDUCATION
COURSE CODE :- BAHEDCSEC - 302**

SUBMITTED BY

NAME :- KAJAL KUMARI

SEMESTER :- 1 (B.A PART 1)

SESSION :- 2023-2026



BANWARILAL BHALOTI



B.A Hons in Edu

SUBMITTED BY : KOUSHANI CHA

REGISTRATION NUMBER : 23538

COURSE CODE : BAEDCSEC-101

YEAR : 2023 - 2024

SUBMITTED TO : MR. SATYASHR

KAZI NAZRUL UNIVERSITY



AN INTERNAL PROJECT ON COMPUTER APPLICATION IN EDUCATION



NAME: - DEBJANI ROY

REGISTRATION NO: -

ROLL NUMBER:-

DISCIPLINE: EDUCATION

SUBJECT NAME: - COMPUTER APPLICATION IN EDUCATION

SUBJECT CODE:- BAHEDCSEC-101

Department of Education
Banwarilal Bhalotia College, Asansol
Session-2023

Debjani Roy
11/05/2024

SEMESTER :- 1 (B.A PART 1)

SESSION :- 2023-2026



BANWARAILAL BHALOTIA COLLEGE ASANSOL

DEPERMENT OF EDUCATION



SESSION-2023-2024

NAME- AKRITI YADAV

SUBJECT- COMPUTER

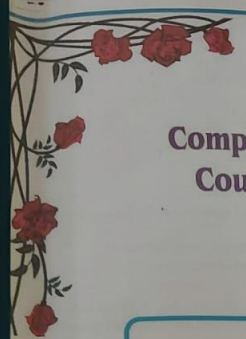
APPLICATION IN EDUCATION

COURSE CODE - BAHEDCSEC - 101

SEMESTER- 1(B.A)

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14/07/2024





**An Internal Project on
Computer Application in Education
Course Code : BAHEDCSEC- 101**

Submitted by:


NAME: SADAF ANJUM

REGISTRATION NO:-

ROLL NO:-

**1ST SEMESTER
B.A Hons in Education**

**Department of Education
Banwarilal Bhalotia College, Asansol
Year-2023**



S. Sadaf Anjum
14/08/2023

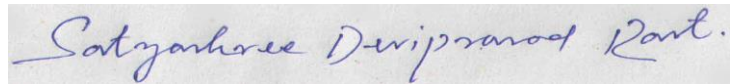
BANWARILAL BHALOTIA COLLEGE, ASANSOL.

DEPARTMENT OF EDUCATION

Project Status Report of SEC-I, Of BA Hons in Education, IIIrd Semester 2023-24

Project Details.

Semester	III
Paper	SEC
Paper Name	Computer Application In Education
Paper Code	BAHEDCSEC302
Session	2023-24
Reporting Period	16 th Nov – 5 th December



HoD

Satyashree Rout.
Department of Education.

SKILL ENHANCEMENT COURSE

DEPARTMENT OF EDUCATION , B.B.COLLEGE ,ASANSOL

III RD SEM 2023-24

SYLLABUS.

Course : SEC-1 (BAHEDCSEC302) : COMPUTER APPLICATION IN EDUCATION	Full Marks:50
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 4x4 in between the text.• Design a colourful merit certificate mentioning the event name, event date, venue, organiser etc. name of the candidate and his/her affiliation, rank/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 & Bargraph• Graph sheet 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 departmentThe 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 routine within the timetable mentioning name of the paper and initial of the teacher.• Footer should contain the date from which the routine will be effective (w.e.f. -----).• Students can apply their own colour preference 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 his/her affiliation, rank/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 matter, 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 colour.	
Recommended Books: <ul style="list-style-type: none">• Atul Jain- Computer in Education• শব্দ সোস- শিক্ষাক্ষেত্রে কম্পিউটারের প্রয়োগ• শব্দ সোস ও অমল পণ্ডর মুখার্জী- শিক্ষণ শিখনে কম্পিউটার• অরুণাভ নামস্ত- শিক্ষার কম্পিউটারের প্রয়োগ	

This SEC paper whose subject code is BAHEDCSE -302 , Computer Application in Education is a practical based skills enhancement 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 19 student's in the 3rd semester 2023-24 . They have successfully submitted their project within time in the department. The Viva was held on 29/01/2024.

Some sample of the projects have been provided below:

Students List of IIIrd Semester

Sl No	Name
1	ANNAPURNA DEY
2	BARNALI CHANDRA
3	DIPTI GHOSH
4	LABONI BOURI
5	MR JUNAID NAUSHAD
6	NAUSEEN PARWEEN
7	NEELAM KUMARI GUPTA
8	PAYEL SHARMA
9	PRIYA MONDOL
10	SHABNAM PERWEEN
11	SOURAV KARMAKAR
12	SUBARNA RUIDAS
13	SUSHMITA RUIDAS
14	VIVEKANADA JHA
15	SAJIA
16	SANA NASREEN
17	ARMAN KHAN CHOWDHURY
18	BIKRAM MONDAL
19	ARIT MISHRA

Supporting Documents;

1. Question.

2023
3rd Semester
SEC (Honours)
Discipline : EDUCATION
INTERNAL PRACTICAL
Course Name: Computer Application in Education.
Course Code:BAHEDCSEC-302

(Full Marks -30)

Answer any three questions. Each question carries 10 marks.

(3×10=30)

- Q.1. Design a colourful merit certificate mentioning the event name, date, venue...etc on landscape orientation and appropriate design border around the document.
- Q.2. Calculate and show the Total marks and average of each students and represent the data through Pie-chart & Bargraph. Full marks of each of the paper is 100 . (In Excel Format Only)

SUBJECT	ENGLISH	EDUCATION	HISTORY	SANSKRIT	BENGALI	HINDI
NAME						
A	45	56	76	56	34	50
B	74	54	38	83	65	43
C	65	56	87	90	36	53
D	76	56	49	69	76	63
E	56	62	74	36	72	29
F	78	67	76	34	26	30
G	39	43	65	49	50	61
H	46	57	64	58	55	53
I	54	55	65	69	75	54
J	77	67	67	53	30	49

- Q.3. Prepare a departmental routine containing any 6 subjects. The time starts at 11.00 am and ends at 4.00 pm with 30 minutes recess time at 1.30 pm.

Specifications: 1. The first line should mention the name of the department in 14 size font, New Roman, Bold .

2. The second line mention the academic year.

3. Rows-periods, Columns-denoting days

4. Type the routine mentioning name of the paper and initial of the teachers.

- Q.4. Create a power point on any of your favourite topic with 6 separate slides – , each slide title must be in bold & capital letter(Times New Roman) , texts and slides should be of different colours.

- Q.5. Type a paragraph on 'Socialization' in 500 words.

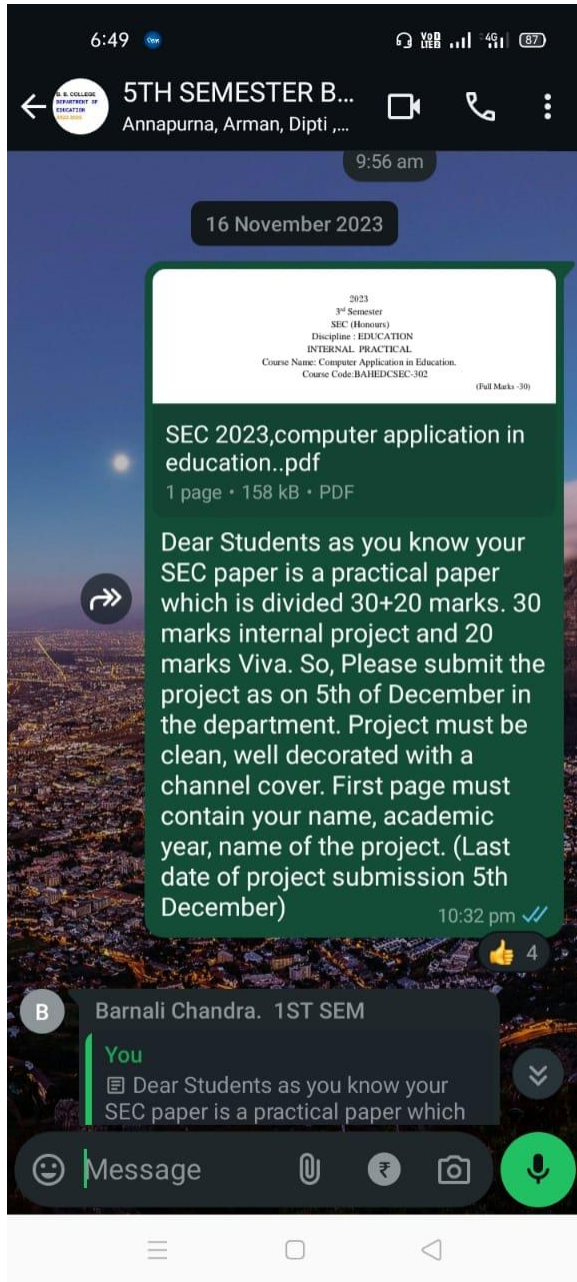
With the following *-specification.*

i) Text in times New Roman ,font size 12.

ii) Title in Castellar script ,font size is 16 & Bold .

iii) Alignment of text should be in Justify mode .

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3.

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 of 20 Marks will be held on 29/01/2024 (Monday) around 11.00 am in the department . Everyone must be present on the said date and time.

HoD
Satyashree Rout.
Dtd:24/01/2024

4.



5. Students Final Project.

ESTS : 1944

AN INTERNAL PROJECT ON
COMPUTER APPLICATION IN EDUCATION
COURSE CODE :- BAHEDCSEC -302



SESSION - 2022-2025

PROJECT OF EDUCATION

UNDER SUPERVISION

SYANTAN DUTTA (ROUT)

111st Semester

SUBMITTED BY:-

NAME:- SHABNAM PERWEEN

ROLL NO :- 102220321013017

REGISTRATION NO:-102221210343

SUBMITTED TO- B.B. COLLEGE

TEACHER SIGN

Shabnam Perween
29/07/2024
STUDENT SIGN

REX

**An Internal Project On Computer
Application In Education Course
Code BAHEDCSE-302**

Submitted by : NILAM KUMARI GUPTA

Roll No.:

Registration No: KNU2010200 + 10222 1210491

B. A, Hons. In Education

**Department of Education
Banwarilal Bhalotia College, Asansol
Year – 2023 - 2024**



KEA
K.A. JI. SA.

Signature
20/07/2024

**An Internal Project On Computer
Application In Education Course
Code BAHEDCSE-302**

Submitted by : PAYEL SHARMA

Roll No.:

Registration No: KNU2010200 → 102221210087

B. A, Hons. In Education

Department of Education
Banwarilal Bhalotia College, Asansol
Year - 2023 - 2024

Sanjay
30/01/2024

**BANWARILAL BHALOTIA COLLEGE
ASANSOL**

DEPARTMENT OF EDUCATION

2023

**An internal project on -
Computer Application in
Education**

Prepared By

Md Junaid Naushad

B.A. Honours in Education (3rd Semester)

Registration No. - 102221210448

Presented To :

Satyashree Rout

Car2ent
29/01/2024

AN INTERNAL PROJECT ON
COMPUTER APPLICATION IN EDUCATION
COURSE CODE : BAHEDCSEC-302



Submitted by : Nauseen Parween
Roll Number:
Registration Number : 102221210489

B.A HONS IN EDUCATION

DEPARTMENT OF EDUCATION
BANWARILAL BHALOTIA COLLEGE, ASANSOL
YEAR-2023

S. Parween
27/09/2024

KAZI NAZRUL UNIVERSITY



An internal Project on :-

Computer Application in Education



NAME:-BARNALI CHANDRA

REGISTRATION NO: - 102221210376

ROLL NUMBER:

COURSE NAME: - COMPUTER APPLICATION IN EDUCATION

COURSE CODE: BAHEDCSE-302

BA HONS IN EDUCATION

**Department of Education
Banwarilal Bhalotia College, Asansol
Session-2023**

Sanjib
29/09/2024

BANWARILAL BHALOTIA COLLEGE

ASANSOL

DEPARTMENT OF EDUCATION (YEAR - 2023)

*An internal Project on :-
Computer Application in Education*

B.A. Honours in Education

Your Name : LABONI BAURI

11th Sem. Semester.

Roll Number :

Registration Number : 102221210556

*Sun2ent
29/07/2024*

Year : 2023

Banwarilal Bhalotia College

Internal Project Based On Computer Application In Education

Course Code : BAHEDCSE-302

Submitted by : Dipti Ghosh

Roll Number :

Registration Number : KNU102221210244

B.A Hons in Education

Department of Education

Su2023
29/07/2024

BANWARILAL BHALOTIA COLLEGE

ASANSOL

DEPARTMENT OF EDUCATION (YEAR - 2023)

11th Semester.

An internal Project on :-

Computer Application in Education

B.A. Honours in Education

Your Name : ANNAPURNA DEY

Roll Number :

Registration Number : 102221210549

Completed
29/07/2024

pg-1



BANWARILAL BHALOTIA COLLEGE

ASANSOL

DEPARTMENT OF EDUCATION (YEAR - 2023)

An internal Projecton :-

Computer Application in Education

B.A. Honours in Education

Name : Arman Khan Chowdhury

Roll Number :

Registration Number : 102221210384



2023

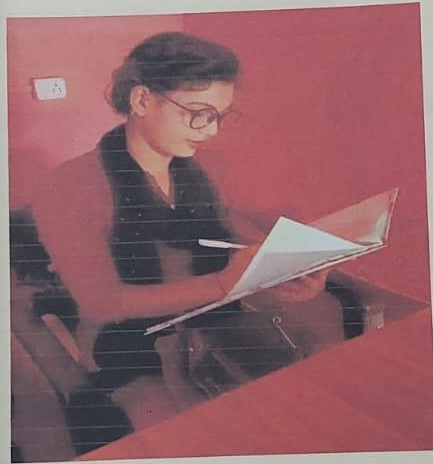
3RD Semester SEC (Honours)

Discipline: EDUCATION

INTERNAL PRACTICAL

Course Name: Computer Application in Education Course

Code: BAHEDCSEC-302



Name: Sajia

B.A. 3RD Semester

Banwarilal Bhalotia College, Asansol

Registration No. 102221210342

Conduct.
29/09/2024

2023

3RD Semester SEC (Honours)

Discipline: EDUCATION

INTERNAL PRACTICAL

Course Name: Computer Application in Education Course

Code: BAHEDCSEC-302



Name: Sana Nasreen

B.A. 3RD Semester

Banwarilal Bhalotia College, Asansol

Registration No. 102221210337

C. D. Jant.
29/11/2024

BANWARILAL BHALOTIA COLLEGE, ASANSOL



DEPARTMENT OF EDUCATION

Year: 2023-2024

**An Internal Project on
Computer Application in Education**

Course Code: BAHEDCSEC-302

Submitted by: Sushmita Ruidas

B.A Hons in Education

Registration Number: 102221210108

Roll Number:

Sushmita Ruidas
29/9/2024



KEA
KW 315A

BANWARILAL BHALOTIA COLLEGE

ASANSOL

DEPARTMENT OF EDUCATION (YEAR - 2023)

An internal Project on :-

Computer Application in Education

B.A. Honours in Education

Your Name : VIVEKANAND JHA

Roll Number :

Registration Number :
102221210369

Sr. Prof.
29/07/2024

BANWARILAL BHALOTIA COLLEGE

ASANSOL

DEPARTMENT OF EDUCATION (YEAR - 2023)

*An internal Project on :-
Computer Application in Education*

B.A. Honours in Education

Your Name : Subarna _____
Ruidas *11th Semester*

Roll Number : 12

Registration Number :
102221210388

Conduct
29/09/2024

BANWARILAL BHALOTLA COLLEGE
ASANSOL



DEPARTMENT OF EDUCATION
YEAR - 2023

An International Project On :-
Computer Application in Education

B.A. Honours in Education

Your Name → **PRIYA MONDAL**

Roll Number →

Registration Number → **102221210314**



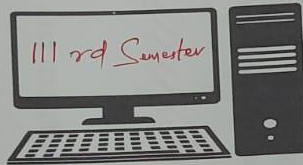
Sanjant.
29/07/2024

KEX

KAZI NAZRUL UNIVERSITY



AN INTERNAL PROJECT ON COMPUTER APPLICATION IN EDUCATION



NAME:-SOURAV KARMAKAR

REGISTRATION NO: - 102221210315

DISCIPLINE:EDUCATION HONS

SUBJECT NAME: - COMPUTER APPLICATION IN EDUCATION

SUBJECT CODE:

Department of Education
Banwarilal Bhalotia College, Asansol
Session-2023

Conduct
29/4/2024





SEMESTER I EXCURSION 2023
NORTH BENGAL



Semester 1 Excursion Details:-

DATE -: 13.03.2024

PLACE -: B.B. COLLEGE, ASANSOL

STUDENT'S SIGNATURE -:

TEACHER'S SIGNATURE -:



Fig: Night at Sillery Gaon



Fig: Our Team at Jalsa Bungalow, Munsong Rd

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PREFACE

Francis Bacon has rightly said, “Travel is the younger sort, is a part of education, in order a part of the experience. To know the unknown and to see the unseen in natural wonder, the 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 a museum, research centre or farm) is now under the academic carnival of the new syllabus formed by the 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 in the subject in the syllabus during semester 1 practical examination.



Fig: Lord Buddha Idols at Lava Monastery, Kalimpong

ACKNOWLEDGEMENT

I am pleased to extend my sincerest thanks to our Principal Dr Amitava Basu and the Head of the Department Dr Rajrupa Ghosh for bringing forth the chance to attend this field visit.

I also pay my heartfelt thanks to our professors, Dr Rajrupa Ghosh, Dr Sangita Lahiry, Smt. Saswati Chakraborty and Sri Kaushik Mondal of our department for your kind arrangements and for providing us with every facility during the survey and for studying the animals in nature.

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



Fig: Kanchenjunga View Point, Rhenak Forest Block

TEAM

Our excursion was to Bengal Safari Wildlife Sanctuary, Siliguri. We, the students of Zoology Department of Kazi Nazrul University and our teachers were involved in this excursion of semester 1.

On our excursion, the members were

1. 32 students
2. 4 teachers

Course Name	Course Code	List of Students
Zoology	BSCZOOMJ101	<ul style="list-style-type: none"> • Sneha Bhattacharyya • Shruti Mishra • Sohini Chakraborty • Sanchita Mukherjee • Jasmin Akhtar • Manav • Saikat Paul • Pritha Roy • Urmi Chakraborty • Shipra Dawn • Upama Bauri • Dolly Maji • Deb Dutta • Ghazala Tabassum • Ajoy Kumar Soren • Soumili Pailen • Ananya Mondal • Sayoni Halder

- Deepa Bhattacharjee
- Indrani Sil
- Mohammad Almeen Abbas
- Prity Upadhyay
- Prashant Kumar
- Nityam Nilay
- Debraj Mondal
- Tapabrata Maji
- Soumen Das
- Bikash Nunia
- Rishika Bauri
- Tanushree Bauri
- Vijay Kumar
- Deep Murmu



Our team at Bengal Safari, Jalpaiguri

EQUIPMENTS

1. FOR OUTDOOR WORK

- a. Field notebook
- b. Camera
- c. Binocular

2. SAFETY EQUIPMENT

- a. Essential medicine
- b. Bandages
- c. Torch
- d. Sunglasses



Fig: Camera positioned at Kanchenjunga View Point

AIM OF EDUCATIONAL TOUR

1. Observation of the behaviour of the animal
2. Idea about the natural habitat of the 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 study about insects and plants diversification
7. To correlate bookish knowledge with practical experience
8. To study the conversation method if any and the economic importance of animals
9. It also provides a sense of proportion of equality and friendships

ONWARD JOURNEY

The places for our zoological excursion were Bengal Safari and Zoological Sanctuary, Siliguri. With God's blessings, we started our journey on 27th November from Asansol station at 4:50 pm by Asansol -Bardhamman Local train and reached Bardhamman station by 7:00 pm. Then we had to wait there for a while and we all enjoyed our little snacks and photo sessions. The next part of our train journey started when the Kanchankanya Express arrived at Bardhamman Station by 10:22 pm.

The next morning i.e., 28th November at 10:30 am, we reached our destination New Mal Junction. Then we left the station and started our journey to Sillerygaon. On the way, we were taken to a viewpoint from where Kanchanjangha were seen. We were thrilled amidst nature, and the hit of fresh air calmed our souls.

The next morning, 29th November, our morning started at 6 AM with watching the sunrise at the peak of the snow-covered mountains, and the sun flushed us with its rays. We left Sillerygaon to advance towards Ramdhura. On the way, we were taken to Jalsa Bungalow, Kalimpong and viewed the Teesta River which was quite exquisite. We then proceeded towards Chamling Homestay, Ramdhura. The roadsides were covered with colourful flowers which was the cherry on top with all the mountain roads. The sunset from the hotel's balcony was worth watching.

The next day, 30th November, our day started witnessing the sleeping Buddha on the mountaintop. After breakfast, we seated ourselves in the car and went towards Kolakham. We then got down to watch the famous Lava Monastery and learned about the traditions and culture practised there. The car stopped again on the way with our looking towards the beautiful Changey Falls. With the professors' guidance and care, we went down and were mesmerised by the fall. The clear water, the calmness, and the soothing sound of the fall took our breath away. Then we proceeded towards Kolakham.

On the last day, 1st December, our day started early with us leaving for Siliguri Bengal Safari Sanctuary. On our way, we enjoyed the tea gardens and the views. As we reached the main part of our excursion we all did our best to fulfill the given aim. After that, we boarded our train at New Jalpaiguri Station and said goodbye to our beautiful yet knowledgeable excursion.

ROUTE OF THE VOYAGE

27th November & 28th November

Asansol station >> Bardhamman station >> New Mal Station

28th November

New Mal >> Kanchanjangha view point >> Sillerygaon

29th November

Sillerygaon >> Teesta View Point >> Ramdhura

30th November

Ramdhura >> Lava Monastery >> Changey Falls >> Kolakham

1st December

Kolakham >> Bengal Safari, Siliguri >> New Jalpaiguri Station

2nd December

New Jalpaiguri Station >> Bardhamman Junction >> Asansol Junction

DAY – 01

Train Journey: -

We started our journey from Asansol Junction at 4:50 pm on 27th November, 2023.

We reached the Bardhamman Junction by Asansol- Bardhamman Local.

Then by Kanchankanya Express which arrived at 10:22 pm at Bardhamman Junction, we reached New Mal Junction by the next morning (28th November) at 10:30 AM.



Fig: Asansol Junction



Fig: New Mal Junction

DAY- 02

Kanchenjunga View point

Kanchenjunga is the third-highest mountain in the world. Its summit lies at 8,586 m (28,169 ft) in a section of the Himalayas, the Kangchenjunga Himal, which is bounded in the west by the Tamur River, in the north by the Lhonak River and Jongsang La, and in the east by the Teesta River. It lies in the border region between Nepal and Sikkim state of India, with three of the five peaks, namely Main, Central and South, directly on the border, and the peaks West and Kangbachen in Nepal's Taplejung District.

Sillerygaon Homestay

We stayed in Sillerygaon homestay overnight. Sillery Gaon is a small village near Pedong in the Kalimpong district of West Bengal. This mesmeric village is situated at an altitude of 6000ft from the sea level. This place offers an incomparable view of mount Kanchenjunga and it's allied peaks.



Fig: Kanchenjunga as viewed from Rhenak Forest Block

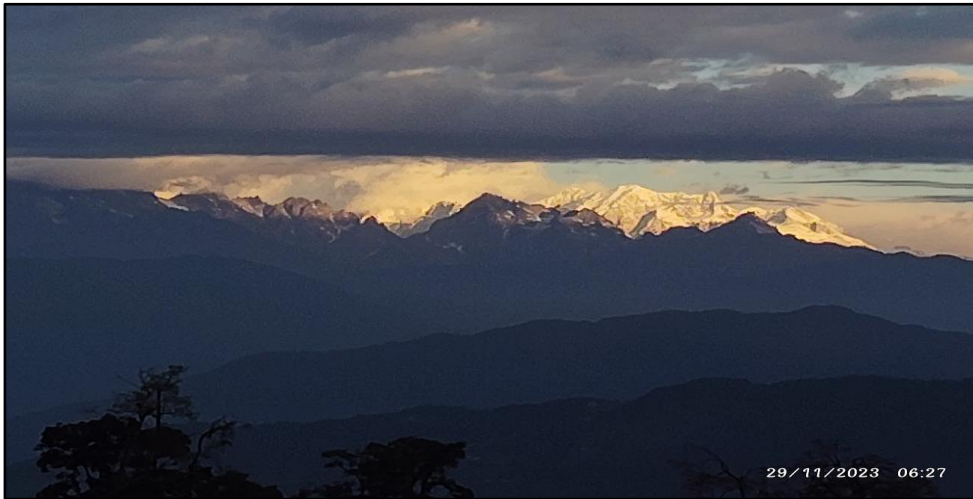


Fig: Kanchenjunga as viewed from Sillery Gaon



Fig: View of Sillery Gaon



Fig: Beautiful scenery from homestay at Sillery Gaon

DAY -03

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.

Chamling Homestay, Ramdhura:

We stayed in Ramdhura for a night. It's speciality is that it faces Mount Kanchanjuga, surrounded by pine forests and Chinchona plantations. The roadsides were decorated with colourful flowers. All together , everything looked heavenly.



Fig: Teesta River as viewed from Jalsa Bungalow, Munsong Rd



Fig: Mountain Ranges captured at Chamling Homestay, Ramdhura



Fig: Chamling Homestay, Ramdhura

DAY – 04

Lava Monastery:

The monastery is located in Lava, Kalimpong district in the Indian state of West Bengal. It sits just beside the Neora Reservoir, and serves as a gateway to the Neora Valley National Park. It is at a distance of about 32 km (19.9 mi) from Kalimpong.



Fig: Lava Monastery, Kalimpong

Changey Falls:

The waterfall sits at an elevation of 2,200 m (7,218 ft) and is situated at a distance of about 4 km (2.5 mi) from Kolakham and 10 km (6.2 mi) from the hamlet of Lava in Kalimpong district, West Bengal



Fig: Changey Waterfall, Lava Rd

DAY – 05

After Changey Falls, we reached Kolakham and in those wooden fancy rooms , we stayed for a night. It is a small village in Kolbong Forest within the Neora Valley. We enjoyed playing uno and engaged ourselves in bonfires and music.

Fig: Sunrise at Kolakham

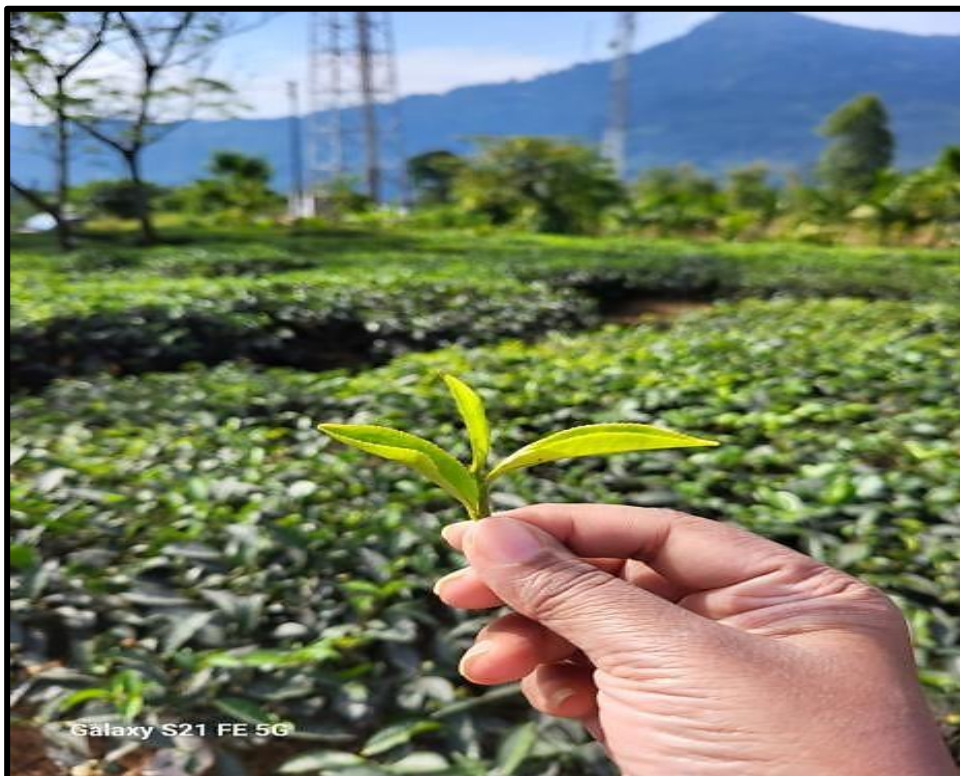


Fig: Tea Gardens on the way to Safari

DAY - 06

Bengal Safari

Bengal Safari Park, situated within the verdant forested area of Mahananda Wildlife Sanctuary is the first animal safari park of North Bengal region. It is located on the Sevoke road at a distance of 8km from Siliguri. Bengal Safari Park was inaugurated by the CM Mamata Banerjee on 21st Jan 2016 to boost the tourism of North Bengal.

Surrounded with luxuriant forest of Sal trees, Bengal Safari Park with its 700arce land gives closure toward wild side of North Bengal region. Visitors can spots wild animals like sambar deer, jungle fowl, wild boars, rhinoceros, spotted deer, and Royal Bengal of tiger during their visit of Bengal Safari Park. Presently there are two safaris conducted in Bengal Safari Park herbivore safari, and carnivore safari. With a nominal fee of 50rs (subject to change) for jungle safari and 30rs (subject to change) for entry fee, tourists can spot and observe wild animals in their natural habitat at Bengal Safari Park.



Fig: Our team at the entrance of Bengal Safari

Animals we spotted:

Spotted Deer (*Asix axis*):-



Fig: Spotted deer captured at safari

The spotted deer, or chital, is the most common deer species in Indian forests. With a lifespan of about 20 to 30 years, it stands at about 35 inches tall and weighs about 187 pounds. The deer's golden-rufus colouring is speckled with white spots, and it has a white underbelly. Its curved, three-pronged antlers extend nearly 3 feet and shed each year.

Asiatic Black Bear (*Ursus thibetanus*):-



Fig: Asiatic Black Bear captured while roaming around the forest

The Asiatic black bear is a bear of medium to large size with a large rounded head and small eyes. It has large ears which are farther apart than those of an American black bear. Its body is heavy, and its legs are strong and thick with broad paws. It walks on the soles of its feet, as humans do. It has a short tail that can hardly be seen under its long, coarse coat. Its fur is black with a "V" shape of light beige to white on its chest, a small beige to white crescent on its throat, and a small white spot on its chin. Its muzzle is white.

LEOPARD(*Panthera pardus*)-:



Fig: Leopard captured under captivity

The leopard (*Panthera pardus*) is one of the five extant species in the genus *Panthera*. It has a pale yellowish to dark golden fur with dark spots grouped in rosettes. Its body is slender and muscular reaching a length of 92–183 cm (36–72 in) with a 66–102 cm (26–40 in) long tail and a shoulder height of 60–70 cm (24–28 in). Males typically weigh 30.9–72 kg (68–159 lb), and females 20.5–43 kg (45–95 lb).

Tiger(*Panthera tigris*)-:



Fig: Tiger captured while marking its territory

The tiger (*Panthera tigris*) is the largest living cat species and a member of the genus *Panthera*. It is most recognisable for its dark vertical stripes on orange fur with a white underside. An apex predator, it primarily preys on ungulates, such as deer and wild boar. It is territorial and generally, a solitary but social predator, requiring large contiguous areas of habitat to support its requirements for prey and rearing of its offspring. Tiger cubs stay with their mother for about two years and then become independent, leaving their mother's home range to establish their own.

Marsh Crocodile (*Crocodylus palustris*):-



Fig: Marsh Crocodile spotted near a water body

The marsh crocodile, also known as the mugger crocodile (*Crocodylus palustris*), is a species of crocodile found in South Asia. It inhabits freshwater habitats such as rivers, lakes, and marshes. Marsh crocodiles are medium-sized and have a broad snout. They are opportunistic predators, feeding on fish, amphibians, and small mammals. These crocodiles are known for their ability to tolerate a variety of environments, including both salt and fresh water. Conservation efforts are in place to protect this species, as they face threats from habitat loss and human-wildlife conflict.

Javan Lutung(*Trachypithecus auratus*):-



Fig: Javan Lutung captured while sitting near the fence

The Javan lutung, also known as the ebony lutung or Javan langur (*Trachypithecus auratus*), is a species of Old World monkey native to Java, Indonesia. These primates are known for their striking appearance, characterized by black fur with a silver or white-coloured mane around their face. They are arboreal and spend much of their time in trees, where they feed on leaves, fruits, and other plant materials. Javan Lutungs live in social groups, and their populations are primarily threatened by habitat loss due to deforestation. Conservation efforts aim to protect their natural habitats and raise awareness about the importance of preserving these unique primates.

Peacock (*Pavo cristatus*)-:



Fig: Peacock spotted while sitting on a tree branch

Peacock, is any of three species of resplendent birds of the pheasant family, Phasianidae (order Galliformes). Strictly, the male is a peacock, and the female is a peahen; both are peafowl. The two most recognisable species of peafowl are the blue, or Indian, peacock (*Pavo cristatus*), of India and Sri Lanka, and the green, Javanese peacock (*P.muticus*), found from Myanmar (Burma) to Java.

Macaw (*Ara sp.*)-:



Fig: Two Macaws spotted while sitting with each other

Macaws (*Ara sp.*) are a group of New World parrots that are long-tailed and often colourful. They are native to Central and South America, with various species inhabiting different regions. Macaws are popular as pets but are also found in the wild, living in diverse habitats such as rainforests, woodlands, and savannas. Conservation efforts are crucial for many macaw species, as they face threats like habitat loss and illegal pet trade.

LIGHT FLYTRAP

Collection of material and sorting:

The specimens collected for present study comprise larvae pupae and adults of biting midges. They were procured from different locations of study area. The adults of biting midges had been trapped from different habitats and its vicinities using different types of light traps like, open tray type , UV light trap and sweeping net and also from rearing the juveniles. Traces of glacial acetic acid were used in the trap as attracting and paralysing agent in case of open tray trap while cotton wool soaked in glacial acetic acid or in chloroform during the operation in other light traps.

The larvae of biting midges are very transparent ,fast moving and are too small to locate in natural conditions. Different larval habitats were collected with the aid of different types of plastic and metal scoop samplers. The immature stages were sorted out in the laboratory and those from distant places were brought to the laboratory in vacuum containers filled with water also been employed. The live larvae were placed in different glass vials separately for monoculture with small amount of water and very small amount of their habitats and the open and tightly covered with very thin net to prevent escaping and as the adults comes out, it will easily be noticed. Most of the juveniles were reared in the environment chamber.

Collecting Devices:

Different types of light traps used during the present study were-

- A. Open-tray type light trap: This trap was designed by Sinha Ray et al.(1969), consists of two or three ordinary table lamps , each of 100-200 watts with their head bent down to the water level in a metallic tray measuring 30cm× 25cm × 4cm covered with a fine wire net of mesh per sq.cm containing trace amount of glacial acetic acid as attracting and killing agent . It is also known as water pan trap which is usually a rectangular container filled with aqueous

- B. solutions of soap having no odour which may be repellent to target insects.
- C. UV light trap(PLATE I): The battery operated light trap is modified version of CDC light trap(Sudia and Chamberlain,1962). It was designed and fabricated by USIC, University of Burdwan with slight modifications to capture small dipteran flies.



Fig: Insects collected during Light Flytrap

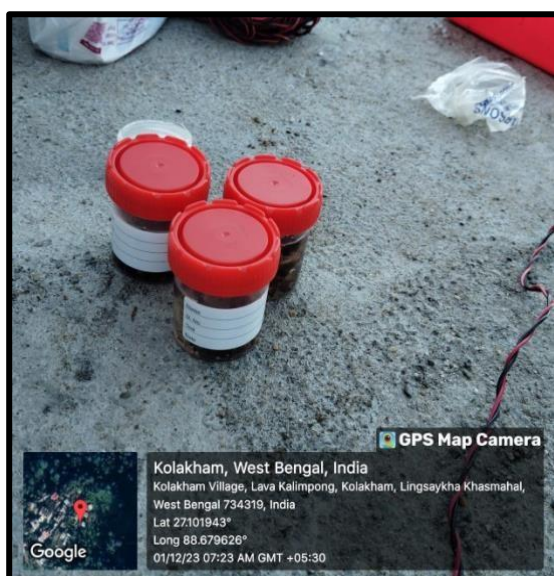


Fig: Samples collected by Light Flytrap

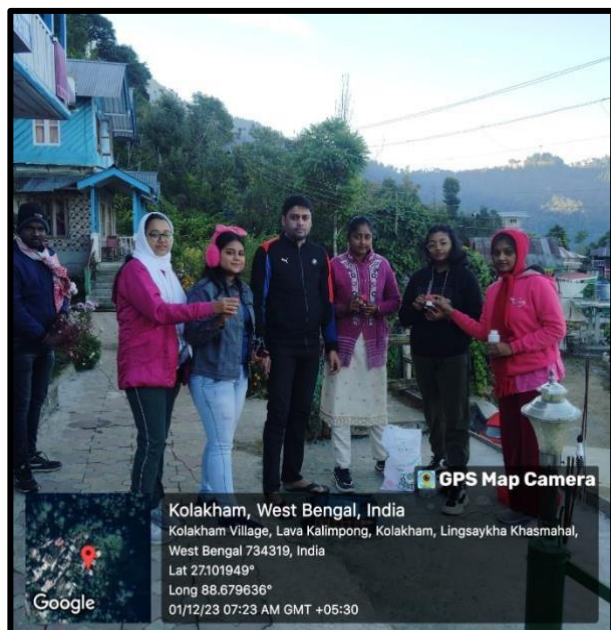


Fig: Us with Sir after the conclusion of the practical

QUADRATE

QUADRATE SAMPLING-:

Quadrat is a classic tool for the study of biodiversity in ecology. The organisms in a certain portion of the habitat are counted directly. A quadrat is a four-sided figure which delimits the boundaries of a sample plot. It is used to estimate population abundance (number), density

Quadrat equations: It was the population density (n) to estimate the total population (N) $N = (A/a) \times n$ $A =$ Total area

$n =$ Population density

$N =$ Total population

$a =$ area of the quadrat.

ASSUMPTIONS-:

The following assumptions are to be made:

1. The no. of individuals in each quadrat is counted.
2. The size of the quadrat is known.
3. The quadrat samples are representative of the study area as a whole.

ADVANTAGES-:

1. Easy to use and inexpensive
2. Suitable for study of slow moving animals, fast moving animals but in small groups, plants.
3. Applicable in field research with less care.
4. It needs cheap, cost effective equipment.

DISADVANTAGES-:

1. Not applicable for studying fast-moving animals.
2. Collect superficial present taxa but ignore taxa present deep inside/ buried underground.
3. Sometimes the taxa may be harmed if the scientist collects, only on the quadrat and not on actual field.

RETURN JOURNEY

Besides enjoying and collecting information during the excursion we also had to keep in time that the clock is still ticking and this will end soon. We gathered ample amount of memories and moments which will framed in our heart and mind. So putting a completion to our journey of 5 days we all sat on the platform seats of New Jalpaiguri Station on 1st December waiting for our train which arrived at 10:10 pm. We reached Bardhaman Station by 8:00 am the next morning and then boarded the Bardhaman Asansol local by which we reached Asansol.

We walked towards our home carrying a baggage of laughter, cheers and memories and with a hope of experiencing this again.



Fig: Beautiful mountains captured on the day of our return from North Bengal

MY IMPACT

Starting from the mere thought of this trip filled me with excitement. It's was My first time going on a trip with my friends. I'm a very closed-off person so this trip allowed me to make bonds with people and I'm very grateful for that. We formed immense strong bonds with our faculties, seniors and of course my friends.

As we played UNO, I found myself being comfortable with the people I never thought of being close to. This trip taught me how much joy life can bring you when surrounded by people who support you.

During this trip, I learned how to be a team player and play in a group. We took care of each other and spent the trip enjoying the fullest.

The safari was a huge statement of the trip. As a person who loves photography, I was very excited to capture all the animals present in the safari. I learned so many interesting facts about them as I clicked away.



Fig: Bonfire at night

Fig: Roommates of my first excursion



CONCLUSION

It was truly an educational tour and this excursion helped us to compare and analyse between our theoretical knowledge with the visual ones. I am really grateful and 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 enough knowledge and help them to cope up with the theoretical basis to practical ones.



Fig: Sillery Gaon, Kalimpong



Fig: Ramdhura, Kalimpong



Name:

Enrolment Number:

Subject: *Environmental Studies*

Subject Code: AECC

Project Topic: *The problem of Solid wastes in urban India*

Certificate

This is to certify that Sujoy Ghosh (Enrolment number: 102231210038), a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled: *The problem of Solid wastes in urban 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.

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

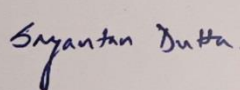
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to Sujoy Ghosh for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

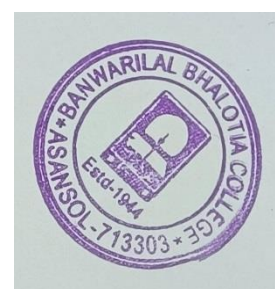
We wish Sujoy Ghosh the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.


MR. SAYANTAN DUTTA



The problem of Solid wastes in urban India

Solid waste management is a growing concern in urban India due to rapid urbanization, population growth, and changing consumption patterns. The improper handling and disposal of solid waste have significant social, environmental, and health impacts, particularly in densely populated cities.

Scale of the Problem:

India generates an estimated 150,000 tonnes of municipal solid waste daily, with urban areas contributing over 60 million tonnes annually. This figure is expected to grow rapidly as urbanization continues. Cities like Delhi, Mumbai, Chennai, and Kolkata produce thousands of tonnes of waste each day, putting immense pressure on existing waste management infrastructure. Moreover, only about 70-80% of the waste is collected, and only a fraction is scientifically treated, with most ending up in landfills or open dumps.

Types of Waste:

Solid waste in urban India can be broadly categorized into household waste, industrial waste, electronic waste (e-waste), biomedical waste, and construction debris. Household waste, which constitutes a large proportion of urban waste, typically consists of organic waste, plastics, metals, glass, and paper. With the rise in consumerism, plastic waste has increased exponentially, leading to severe environmental challenges. E-waste is also a growing issue, driven by the rapid turnover of electronic devices. Much of this waste is improperly disposed of, leading to toxic materials leaching into the soil and groundwater.

Challenges in Waste Management:

1. **Insufficient Infrastructure:** Most cities lack adequate infrastructure for the collection, segregation, transportation, and disposal of waste. In many areas, there is an absence of designated treatment plants, and waste is often dumped in open spaces or on the streets.

2. **Unscientific Disposal Methods:** A large proportion of solid waste is sent to unregulated landfills or open dumps, which results in the emission of harmful greenhouse gases like methane and the contamination of groundwater through leachate.

3. **Lack of Segregation:** Waste segregation at the source, which is critical for efficient waste management, is not widely practiced. This leads to recyclable and biodegradable waste being mixed with non-biodegradable and hazardous materials, complicating the disposal and treatment processes.

4. **Informal Waste Sector:** A significant part of waste collection and recycling in India is handled by the informal sector, including rag-pickers and small-scale recyclers. While they provide a valuable service, they often work under unsafe and unregulated conditions.

5. **Public Awareness and Behavioral Challenges:** There is a general lack of awareness among the urban population regarding waste management practices. Citizens often fail to segregate waste, and dumping in open areas remains a widespread practice. This lack of public cooperation exacerbates the inefficiencies in the system.

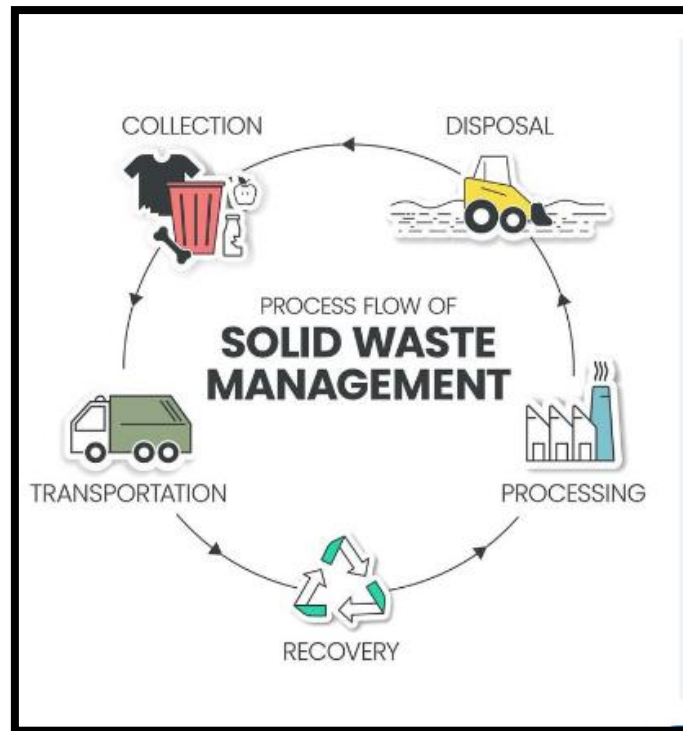
Environmental and Health Impacts:

Improper waste disposal leads to several environmental and public health issues. Landfills contribute to air pollution and greenhouse gas emissions. Leachate from waste contaminates water bodies, affecting both drinking water and aquatic life. The burning of waste, especially plastics, releases toxic fumes that contribute to respiratory problems among urban populations.

Steps Towards Improvement:

To address these challenges, the government has launched initiatives such as the Swachh Bharat Mission, which emphasizes cleanliness, waste segregation, and the promotion of decentralized waste management. Waste-to-energy plants and composting units are being encouraged, and stricter regulations have been introduced for plastic waste management. However, these efforts need to be scaled up significantly, with better enforcement and stronger public participation.

Addressing the solid waste crisis in urban India requires a combination of policy measures, public awareness, investment in infrastructure, and innovations in recycling and waste treatment technologies.





Name:

Enrolment Number:

Subject: *Environmental Studies*

Subject Code: AECC

Project Topic: Threats to Biodiversity in India

Certificate

This is to certify that Fatma Khatoon (Enrolment number: 102231210361), a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled: *The problem of Solid wastes in urban 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.

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

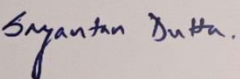
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to Fatma Khatoon for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

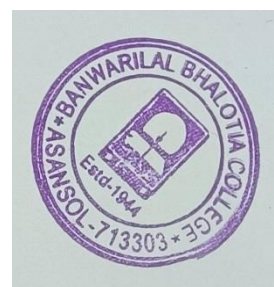
We wish Fatma Khatoon the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.


MR. SAYANTAN DUTTA



Threats to Biodiversity in India

India, one of the world's 17 megadiverse countries, is home to a vast variety of ecosystems, species, and genetic resources. It supports nearly 8% of the global biodiversity across its varied landscapes, from the Himalayas to the coastal regions. However, India's biodiversity faces numerous threats, primarily due to human activities and climate change, which are undermining its ecological wealth.

Major Threats to Biodiversity in India:

1. Habitat Loss and Fragmentation:

The rapid expansion of agriculture, urbanization, infrastructure development, and deforestation has resulted in large-scale habitat loss across India. Forests, wetlands, grasslands, and coastal ecosystems have been particularly affected, with species losing their natural habitats. Fragmentation of habitats, where continuous habitats are broken into smaller patches, disrupts wildlife corridors and isolates species populations, making them more vulnerable to extinction.

For instance, large-scale deforestation in the Western Ghats, a biodiversity hotspot, has severely impacted endemic species. Similarly, the clearing of mangroves for coastal development threatens coastal ecosystems and the species that rely on them.

2. Pollution:

Air, water, and soil pollution are major contributors to biodiversity loss in India. Industrial waste, agricultural runoff, and untreated sewage are polluting rivers and water bodies, affecting aquatic life. Heavy pesticide and fertilizer use in agriculture contaminates soil and groundwater, reducing soil biodiversity and impacting bird and insect populations. Air pollution, particularly in urban areas, also harms plants and animals, disrupting ecosystems.

For example, the Yamuna and Ganga rivers are heavily polluted, affecting species like the Ganges river dolphin, while the overuse of pesticides in agricultural regions has led to declines in pollinators such as bees and butterflies.

3. Overexploitation of Resources:

Unsustainable harvesting of natural resources, such as overfishing, poaching, and illegal logging, poses a significant threat to India's biodiversity. Overexploitation of marine resources is depleting fish stocks, while illegal wildlife trade endangers species like the Indian tiger, rhinos, and elephants. Additionally, unsustainable collection of forest products and medicinal plants is threatening species survival in many forest ecosystems.

4. Invasive Species:

The introduction of invasive alien species has severely impacted native biodiversity in India. These species, often introduced accidentally or through trade, compete with native species for resources,

sometimes leading to the extinction of local flora and fauna. For instance, “Lantana camara”, an invasive plant species, has spread across large parts of India, threatening native plant diversity and altering ecosystems. Similarly, the African catfish, introduced for aquaculture, has outcompeted native fish species in many freshwater systems.

5. Climate Change:

Climate change is exacerbating the existing threats to biodiversity by altering habitats, weather patterns, and species' life cycles. Rising temperatures, changing rainfall patterns, and more frequent extreme weather events are shifting ecosystems, affecting both flora and fauna. For example, species in the Himalayan region are shifting to higher altitudes in response to warming temperatures, which puts pressure on their survival.

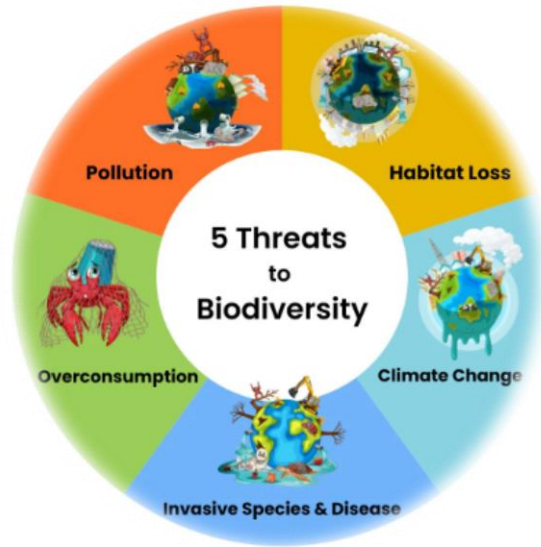
Additionally, coral reefs in India's coastal areas, such as the Andaman and Nicobar Islands, are threatened by coral bleaching caused by rising sea temperatures. Melting glaciers and reduced freshwater availability also impact species dependent on these ecosystems.

6. Weak Enforcement of Environmental Laws:

While India has numerous laws to protect its biodiversity, enforcement remains a challenge. Illegal deforestation, poaching, and habitat encroachment continue to occur despite legal protections. Corruption, lack of resources, and limited awareness also hinder effective biodiversity conservation efforts.

Conclusion:

India's biodiversity is under severe threat from a range of human-induced factors. Addressing these challenges requires a multifaceted approach, including stronger enforcement of environmental laws, sustainable resource management, public awareness campaigns, and greater efforts to combat climate change. Conservation of biodiversity is not just essential for protecting India's natural heritage but also crucial for sustaining the ecosystem services on which millions of people depend.





Name:

Enrolment Number:

Subject: *Environmental Studies*

Subject Code: *AECC*

**Project Topic: Threats of Climate Change on the
Developing World**

Certificate

This is to certify that PRIYOJIT CHATTERJEE (Enrolment Number: 102231230255), a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled: ***The problem of Solid wastes in urban 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 **BSC major curriculum** and was completed with diligence and dedication.

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

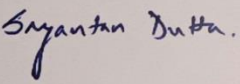
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to PRIYOJIT CHATTERJEE for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

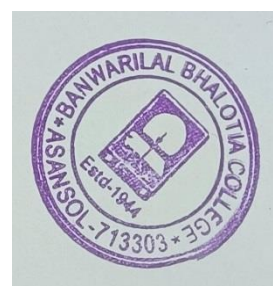
We wish PRIYOJIT CHATTERJEE the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.


MR. SAYANTAN DUTTA



Threats of Climate Change on the Developing World

Climate change poses a significant threat to the developing world, where millions of people face severe vulnerabilities due to limited resources, economic dependence on climate-sensitive sectors, and inadequate infrastructure to withstand extreme weather events. Despite contributing relatively little to global greenhouse gas emissions, developing countries bear the brunt of climate impacts, from rising temperatures and sea levels to shifting rainfall patterns and extreme weather, which jeopardize lives, economies, and ecosystems.

1. Agricultural Instability and Food Security:

Agriculture is a primary economic activity in many developing countries, employing a large portion of the population and often relying on small-scale farming. Climate change directly impacts crop yields due to unpredictable rainfall, droughts, and shifts in temperature. Staple crops like rice, maize, and wheat are particularly susceptible, threatening food security for millions and increasing the risk of famine. Countries across Africa and South Asia, where rain-fed agriculture dominates, are particularly vulnerable to droughts, which lead to crop failures, food shortages, and price spikes that disproportionately impact the poor.

2. Rising Sea Levels and Coastal Risks:

Many developing countries have extensive coastlines and large populations concentrated in low-lying coastal areas, making them highly vulnerable to sea-level rise. Small island nations like the Maldives and countries with vast coastal cities such as Bangladesh face existential threats from rising seas, which lead to erosion, saltwater intrusion, and more frequent flooding. This damages freshwater supplies, reduces arable land, and forces large-scale displacements. For example, in Bangladesh, millions live just meters above sea level, and the country already experiences severe flooding that is expected to worsen due to climate change, displacing communities and disrupting economies.

3. Health Impacts and Disease Proliferation:

Rising temperatures and changing weather patterns have health repercussions, particularly for populations with limited access to healthcare. Heatwaves are becoming more common and intense, leading to heat-related illnesses and deaths, especially among vulnerable groups such as the elderly and those in poverty. Additionally, climate change expands the habitats of disease-carrying vectors, like mosquitoes, resulting in the spread of diseases such as malaria and dengue into new regions. Water scarcity and compromised sanitation, exacerbated by extreme weather, also increase the risk of waterborne diseases, impacting public health in regions where healthcare resources are already stretched.

4. Economic Losses and Poverty Traps:

The economies of developing nations are highly vulnerable to climate impacts, with sectors like agriculture, fishing, and tourism contributing significantly to GDP. Climate-related disruptions in these sectors lead to loss of livelihoods, heightened poverty, and increased income inequality. Natural disasters, which are becoming more frequent and severe, cause immediate economic setbacks and strain government resources. For example, hurricanes and typhoons in the Caribbean and the Philippines have caused billions in damages, pushing these nations into cycles of recovery and debt.

5. Forced Migration and Social Displacement:

Extreme weather events, droughts, and resource scarcity force people to migrate, often internally, but sometimes across borders. Climate-induced migration places additional pressures on urban areas and can lead to conflicts over scarce resources. As regions become uninhabitable, the displaced populations face economic and social challenges, often falling into deeper poverty. This phenomenon is already observable in parts of Africa and South Asia, where environmental degradation has forced people to abandon their homes and move to cities ill-equipped to accommodate them.

Conclusion:

The threats of climate change exacerbate existing vulnerabilities in the developing world, increasing poverty, worsening health outcomes, and stalling economic progress. Addressing these issues requires global cooperation, with developed countries providing financial and technological support for adaptation and resilience building. For the developing world, proactive measures are essential, but without sufficient global support, these nations will continue to face disproportionate impacts of a crisis they did little to create.

SOCIAL AND ECONOMIC IMPACT OF CLIMATE CHANGE



The cost of adapting coastal areas to rising sea levels

Relocation of whole towns



Shrinking productivity of harvests



Loss of the capacity to work due to heat

Prices of basic foodstuffs and consumer goods will rise



More wars to gain access to limited resources

Extreme meteorological phenomena will cause widespread poverty



Fresh water will be in short supply in some areas

Diseases will spread due to higher temperatures





Name:

Enrolment Number:

Subject: *Environmental Studies*

Subject Code: *AECC*

**Project Topic: The importance of Legislature in
maintaining Environmental Quality**

Certificate

This is to certify that MUNNI KUMARI (Enrolment number: 116231110189) , a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled: *The problem of Solid wastes in urban 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 **BCom Major curriculum** and was completed with diligence and dedication.

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

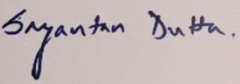
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to MUNNI KUMARI for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

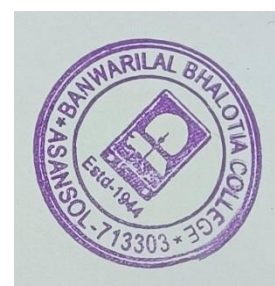
We wish MUNNI KUMARI the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.


MR. SAYANTAN DUTTA



The importance of Legislature in maintaining Environmental Quality

The legislature plays a crucial role in maintaining environmental quality by enacting laws, setting standards, and creating frameworks that govern human interaction with the environment. Through legislation, governments can regulate industries, protect natural resources, enforce pollution controls, and implement policies aimed at sustainable development. This legal foundation is essential in ensuring that both economic growth and environmental conservation are balanced, fostering a healthier, more sustainable future.

1. Framework for Environmental Protection:

Environmental laws and regulations provide a structured approach to protecting natural resources and ecosystems. Legislatures are responsible for defining standards for air and water quality, waste management, and wildlife conservation. These laws set clear guidelines that industries and individuals must follow, establishing a baseline for acceptable environmental practices. For instance, acts such as the Clean Air Act or the Water Pollution Control Act have been fundamental in setting stringent standards for air and water quality, significantly improving environmental conditions in many countries. Such legislation allows for measurable progress in environmental protection and guides other entities, like regulatory agencies, in enforcement.

2. Controlling Pollution and Waste:

One of the primary ways the legislature impacts environmental quality is by creating laws to reduce pollution from industries, transportation, agriculture, and other sectors. Legislators pass laws that control emissions, restrict the use of hazardous substances, and promote cleaner alternatives, thereby minimizing environmental degradation. By introducing policies like carbon taxes or emission trading systems, legislatures can encourage businesses to adopt greener technologies, reducing pollution while fostering innovation. In addition, legislations on waste management – including recycling mandates and restrictions on single-use plastics – help limit the amount of waste that pollutes land, water bodies, and ecosystems.

3. Protecting Biodiversity and Natural Resources:

The legislature plays a vital role in protecting biodiversity through conservation laws, which are critical in preserving habitats, preventing species extinction, and maintaining ecological balance. Laws such as the Endangered Species Act and the establishment of protected areas like national parks and wildlife sanctuaries safeguard biodiversity by regulating human activities in these sensitive areas. Legislators can also enact laws that encourage sustainable use of resources, ensuring that activities such as logging, fishing, and mining are conducted in a manner that doesn't deplete resources or irreversibly damage ecosystems.

4. Promoting Sustainable Development:

Legislation serves as a tool to integrate environmental quality with economic and social development. By enacting laws that support renewable energy development, encourage energy efficiency, and mandate sustainable agricultural practices, legislators create conditions for sustainable growth that minimizes environmental impact. Policies that provide incentives for green technology, such as tax breaks for renewable energy projects or subsidies for electric vehicles, help reduce dependence on fossil fuels, lower greenhouse gas emissions, and support job creation in sustainable industries.

5.Ensuring Accountability and Public Involvement:

Environmental legislation holds individuals, corporations, and even governments accountable for actions that harm the environment. Laws mandating Environmental Impact Assessments (EIAs), for example, ensure that proposed projects consider environmental consequences before approval. Public involvement is also facilitated through legislative measures that require transparency and allow for public comment on environmental decisions. This gives citizens a voice in environmental management and holds authorities accountable for maintaining environmental quality.

6.Global Environmental Governance:

In the context of global environmental challenges, such as climate change, deforestation, and water scarcity, the legislature's role in ratifying international agreements is crucial. Legislatures are responsible for adopting and enforcing international treaties, such as the Paris Agreement, by creating national policies that align with global commitments. This helps countries collectively address global environmental issues and work toward shared sustainability goals.

In conclusion, the legislature is essential to maintaining environmental quality by establishing standards, encouraging sustainable practices, and holding violators accountable. Effective environmental legislation not only protects ecosystems but also promotes public health, economic stability, and social well-being.





Name:

Enrolment Number:

Subject: *Environmental Studies*

Subject Code: *AECC*

**Project Topic: Impact of Noise Pollution on the Health
of Infants and Children**

Certificate

This is to certify that AVIJIT SHAW (Enrolment Number: 116231130048), a student of **Banwarilal Bhalotia College, Asansol** has successfully completed the college project titled: **Impact of Noise Pollution on the Health of Infants and 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.

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

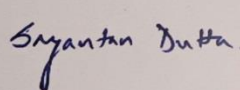
On behalf of **Banwarilal Bhalotia College, Asansol**, we extend our heartiest congratulations to AVIJIT SHAW for the successful completion of this project. The hard work and commitment demonstrated during this endeavour are commendable and reflect the high standards of our institution.

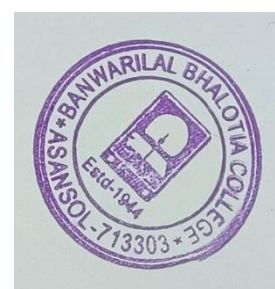
We wish AVIJIT SHAW the best for their future endeavours and have no doubt that they will continue to excel in their academic and professional pursuits.

Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.


MR. SAYANTAN DUTTA



Impact of Noise Pollution on the Health of Infants and Children

Noise pollution, characterized by excessive and unwanted sounds in the environment, has become a growing concern due to its detrimental effects on human health, particularly among vulnerable groups like infants and children. The delicate physiological and psychological development of young individuals makes them especially susceptible to the harmful impacts of noise pollution.

Physiological Effects:

Continuous exposure to high noise levels can negatively affect a child's auditory system. Prolonged noise exposure, particularly above safe thresholds, may lead to hearing loss, including noise-induced hearing loss (NIHL). Infants and children, with their developing auditory mechanisms, are more at risk as their ears are more sensitive to loud sounds. Furthermore, chronic noise pollution can elevate stress hormone levels, such as cortisol and adrenaline, potentially impacting the cardiovascular and endocrine systems over time.

Cognitive and Developmental Impacts:

Noise pollution interferes with cognitive development, particularly in areas such as memory, attention, and learning. Studies have shown that children exposed to high levels of noise, especially in school settings or at home near traffic or industrial areas, experience difficulties in reading comprehension and concentration. Persistent noise can also delay speech and language acquisition in infants, impeding critical developmental milestones.

Sleep Disturbances:

Sleep is crucial for the growth and development of infants and children. Noise pollution disrupts sleep patterns, leading to insufficient and poor-quality rest. This can result in daytime fatigue, irritability, and a decline in academic performance. In infants, disrupted sleep may interfere with brain development and physical growth.

Psychological and Behavioral Effects:

Exposure to noise pollution has been linked to psychological stress, anxiety, and behavioral problems in children. Chronic noise exposure, particularly at high decibel levels, can lead to increased irritability, aggression, and difficulty regulating emotions.

Effects of Noise Pollution

Irritation

Nervousness

*Increased
Stress*



*Sleep
Disturbance*

*Increased
Blood Pressure*

On Human Health



Name:

Enrolment Number:

Subject: *Environmental Studies*

Subject Code: *AECC*

**Project Topic: The importance of Legislature in
maintaining Environmental Quality**

Certificate

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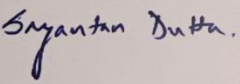
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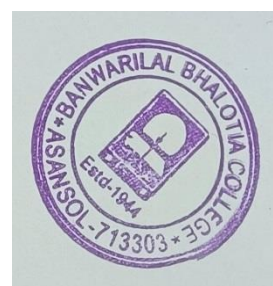
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Mr. Sayantan Dutta

SACT-I,

Dept. of Environmental Science, BB College, Asansol.


MR. SAYANTAN DUTTA



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The legislature plays a vital role in protecting biodiversity through conservation laws, which are critical in preserving habitats, preventing species extinction, and maintaining ecological balance. Laws such as the Endangered Species Act and the establishment of protected areas like national parks and wildlife sanctuaries safeguard biodiversity by regulating human activities in these sensitive areas. Legislators can also enact laws that encourage sustainable use of resources, ensuring that activities such as logging, fishing, and mining are conducted in a manner that doesn't deplete resources or irreversibly damage ecosystems.

4. Promoting Sustainable Development:

Legislation serves as a tool to integrate environmental quality with economic and social development. By enacting laws that support renewable energy development, encourage energy efficiency, and mandate sustainable agricultural practices, legislators create conditions for sustainable growth that minimizes environmental impact. Policies that provide incentives for green technology, such as tax breaks for renewable energy projects or subsidies for electric vehicles, help reduce dependence on fossil fuels, lower greenhouse gas emissions, and support job creation in sustainable industries.

5.Ensuring Accountability and Public Involvement:

Environmental legislation holds individuals, corporations, and even governments accountable for actions that harm the environment. Laws mandating Environmental Impact Assessments (EIAs), for example, ensure that proposed projects consider environmental consequences before approval. Public involvement is also facilitated through legislative measures that require transparency and allow for public comment on environmental decisions. This gives citizens a voice in environmental management and holds authorities accountable for maintaining environmental quality.

6.Global Environmental Governance:

In the context of global environmental challenges, such as climate change, deforestation, and water scarcity, the legislature's role in ratifying international agreements is crucial. Legislatures are responsible for adopting and enforcing international treaties, such as the Paris Agreement, by creating national policies that align with global commitments. This helps countries collectively address global environmental issues and work toward shared sustainability goals.

In conclusion, the legislature is essential to maintaining environmental quality by establishing standards, encouraging sustainable practices, and holding violators accountable. Effective environmental legislation not only protects ecosystems but also promotes public health, economic stability, and social well-being.



BANWARILAL BHALOTIA COLLEGE
Report on Educational Excursion
Department of Botany
Date:- 23.12.2023

Participating Students:- Open to all students of Botany Hons and Program.

5 th Sem Hons list		5 th Sem Program list	
1	Ninad Bagait	1	Sanjana Lal
2	Madhumita Goswami	2	Anshika Yadav
3	Indrani Roy	3	Abhishikta Mondal
4	Priyanka Routa	4	Antara Barua
5	Sayani Mondal	5	Sumitra Gorai
6	Subechhha Karmakar		
7	Kahakasha Naaz		3rd Sem Hons
8	Gurpreet Singh	1	Sayan Mahato
9	Lata Sinha	2	Aqib Javed
10	Simran Khan		

Place:- Topchanchi lake and its surrounding forest cover.

Participating Teachers:- Dr Sanjeev Pandey, Dr Chanchal Kumar Biswas, Dr Animesh Mondal, Dr Siddartha Singh Deo and Dr Sabina Pradhan

Brief Description Of the tour: A one day educational excursion is organized by the Department on 23.12.2023 with all the students. Majority of the students of all semester including hons and program participate in this educational tour. We start our journey nearly 7 am in the morning from the college campus by some hired vehicles.

Description of Place:- Topchanchi Lake is an interesting tourist spot specially for the naturalist and for the students of biological science both of **Botany** and Zoology. The place is situated in the Dhanbad district of Jharkhand on the National Highway 2, it is located at the Golden Quadrilateral. Dhanbad Railway Station is 37 km from the lake and Bokaro is 41 km. Though the lake is an artificial one, its green surrounding amidst forests and hills makes it an ideal picnic spot also. It covers a total area of 214 acres. Parasnath Hills being located close by makes the tourists visit the lake at the same time. Topchanchi Lake is basically a stream which is dammed like a reservoir to supply water to the district and its suburban

areas. Topchanchi Wildlife Sanctuary is spread over 8.75 sq km. The area is small enough yet few harmless animals reside here. The area surrounding the lake is also sought by religious people, specially Jains and Hindus. The diversity in terms of different groups of plant are notable.

Students are observed the natural condition of forest canopy formed by different groups of plants in different height. We also observed and show our students that the different types of interaction among the different plants like the parasitic angiosperms like *Cuscuta reflexa* with its different hosts. We also observed the water body in the lake and also the aquatic plants both free floating and rooted hydrophytes.

After completion of our observation in the lake surrounding and its forest we go a pre planned hotel for our refreshment and after completion we back to our place.



Plate-1:- a Group photograph with students in front of lake.



Plate-2:- a Group photograph with students in front of lake after collection of some aquatic specimen.



Plate-3:- a Group photograph with students while walking within the jungle road.



Plate-4:- a Group photograph with students while walking with in the jungle road from different view.

Banwarilal Bhalotia College, Asansol
Department of Physics

Based on the syllabus of Kazi Nazrul University for BSc Physics (Hons) 3rd semester the Department of Physics, Banwarilal Bhalotia College, Asansol offers the Skill Enhancement Course. It is a practical based project work. The syllabus is appended below.

SKILL ENHANCEMENT COURSE (SEC-I)

(Evaluation is to be done internally)

Course Name: Electrical Circuit Network Skills

Course Code: BSCHPHSSEC 301

Course Type: SEC (Practical)	Course Details: SEC-I		L-T-P: 0-0-8		
Credit: 4	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		30	.....	20	.....

Course Learning Outcomes:

After the completion of course, the students will have ability to:

1. Design and trouble shoots the electrical circuits, networks and appliances through hands-on mode.
2. Choose proper devices depending upon application considering economic and technology up-gradation.

Course Content:

Practical

1. Basic Electricity Principles: Voltage, Current, Resistance, and Power. Ohm's law, Series, parallel, and series-parallel combinations. AC Electricity and DC Electricity, Familiarization with multimeter, voltmeter and ammeter. **(8L)**

2. Understanding Electrical Circuits: Main electric circuit elements and their combination. Rules to analyze DC sourced electrical circuits. Current and voltage drop across the DC circuit elements. Single-phase and three-phase alternating current sources. Rules to analyze AC sourced electrical circuits. Real, imaginary and complex power components of AC source. Power factor. Saving energy and money. **(8L)**

3. Electrical Drawing and Symbols: Drawing symbols. Blueprints. Reading Schematics. Ladder diagrams. Electrical Schematics. Power circuits. Control circuits. Reading of circuit schematics. Tracking the connections of elements and identify current flow and voltage drop. **(8L)**

4. Generators and Transformers: DC Power sources. AC/DC generators. Inductance, capacitance, and impedance. Operation of transformers. **(8L)**

5. Electric Motors: Single-phase, three-phase & DC motors. Basic design. Interfacing DC or AC sources to control heaters & motors. Speed & power of ac motor. **(8L)**

6. Solid-State Devices: Resistors, inductors and capacitors. Diode and rectifiers. Components in Series or in shunt. Response of inductors and capacitors with DC or AC sources. **(8L)**

7. Electrical Protection: Relays. Fuses and disconnect switches. Circuit breakers. Overload devices. Ground-fault protection. Grounding and isolating. Phase reversal. Surge protection. Interfacing DC or AC sources to control elements (relay protection device). **(6L)**

8. Electrical Wiring: Different types of conductors and cables. Basics of wiring-Star and delta connection. Voltage drop and losses across cables and conductors. Instruments to measure current, voltage, power in DC and AC circuits. Insulation. Solid and stranded cable. Conduit. Cable trays. Splices: wirenuts, crimps, terminal blocks, split bolts, and solder. Preparation of extension board. **(6L)**

References/ Suggested Readings:

1. A text book in Electrical Technology - B L Theraja - S Chand & Co.
2. A text book of Electrical Technology - A K Theraja
3. Performance and design of AC machines - M G Say ELBS Edn.

At the commencement of the 3rd semester session a notification with the distribution of students was done for the SEC course. Students were distributed under the supervision of different faculty members according to the following notice assigning different title of the project work to different groups of students.

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







KS
29/8/2023
H.O.D

Department Of Physics

Head

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

Sixteen students were listed for this project work. After the completion of the course the students submitted their project report. Some sample copies of the reports are presented here.

<p>BANWARILAL BHALOTIA COLLEGE</p> <p>Banwarilal Bhalotia College</p>  <p>SKILL ENHANCEMENT COURSE- I</p> <p>TOPIC:- To study the response of Resistor, Capacitor & Inductor to different types of signals</p> <p>SUBMITTED BY:- NAME:- SAMPURNA BANERJEE Discipline:- B.Sc (Physics Hons.) 3rd Sem Reg. No :- 10222122034 Course Name:- Electrical circuit and network skill</p> <p>SESSION :- 2022 - 2025</p>  <p><i>Examined 22/01/2024</i></p>	<p><u>ACKNOWLEDGEMENT</u></p> <p>I would like to express my special thanks and gratitude to my teacher Dr. Koushik Mukherjee, who gave me the golden opportunity to do this SEC project, which also helped me in doing a lot of research and I came to know about the response of resistor, capacitor & inductor to different type of signals. I am really thankful to him.</p> <p>Secondly, I would also like to thank my parents and friends who helped me a lot in finalizing this assignment within the limited time frame.</p> <p>Sampurna Banerjee Sampurna Banerjee 3rd Semester Dept. of Physics Banwarilal Bhalotia College</p>
<p>BANWARILAL BHALOTIA COLLEGE, ASANSOL AFFILIATED TO KAZI NAZRUL UNIVERSITY</p> <p>STUDY OF THE BASIC PRINCIPLES OF ELECTRICITY</p> <p>By, ARNAB DEY REGN. NO- 102221220019 SEMESTER III B.SC PHYSICS</p>  <p>ESTD. 1944</p> <p>Submitted to Department of Physics B.B. College, Asansol</p>  <p><i>Examined 22/01/2024</i></p>	<p>DEPARTMENT OF PHYSICS (PG & UG) Banwarilal Bhalotia College Constituent College of the Kazi Nazrul University Govt. Sponsored (U.G & P.G.) Asansol-713303, West Bengal, India</p> <p>TO WHOM IT MAY CONCERN</p> <p>This is to certify that the project entitled "STUDY OF THE BASIC PRINCIPLES OF ELECTRICITY" submitted by ARNAB DEY having Registration number 102221220019 for the partial fulfillment of B.SC Semester III in Physics under Banwarilal Bhalotia College, Asansol has been carried out under my guidance and supervision. I wish her all success in life.</p> <p>Supervisor Dr. Shrabani Mondal Assistant Professor Department of Physics B.B. College, Asansol</p>

BANWARILAL BHALOTIA COLLEGE

AFFILIATED TO
KAZI NAZRUL UNIVERSITY

STUDY OF THE BASIC PRINCIPLES OF ELECTRICITY

By,

YUBARAJ CHAKRABARTY
REGN. NO- 102221220113
SEMESTER III
B.SC PHYSICS



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



DEPARTMENT OF PHYSICS (PG & UG)

Banwarilal Bhalotia College

Constituent College of the Kazi Nazrul University
Govt. Sponsored (U.G & P.G.)
Asansol-713303, West Bengal, India



TO WHOM IT MAY CONCERN

This is to certify that the project entitled "STUDY OF THE BASIC PRINCIPLES OF ELECTRICITY" submitted by YUBARAJ CHAKRABARTY having Registration number 102221220113 for the partial fulfillment of B.Sc Semester III in Physics under Banwarilal Bhalotia College, Asansol has been carried out under my guidance and supervision.
I wish her all success in life.

Supervisor
Dr. Shrabani Mondal
Assistant Professor
Department of Physics
B.B. College, Asansol

Banwarilal Bhalotia College, Asansol
KAZI NAZRUL UNIVERSITY
B.B. College

TO STUDY THE RESPONSE OF RESISTOR, CAPACITOR
AND INDUCTOR IN DIFFERENT TYPES OF SIGNAL

By,

INDIRA MONDAL
REGN. NO-102221220083
SEMESTER III
B.SC PHYSICS



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



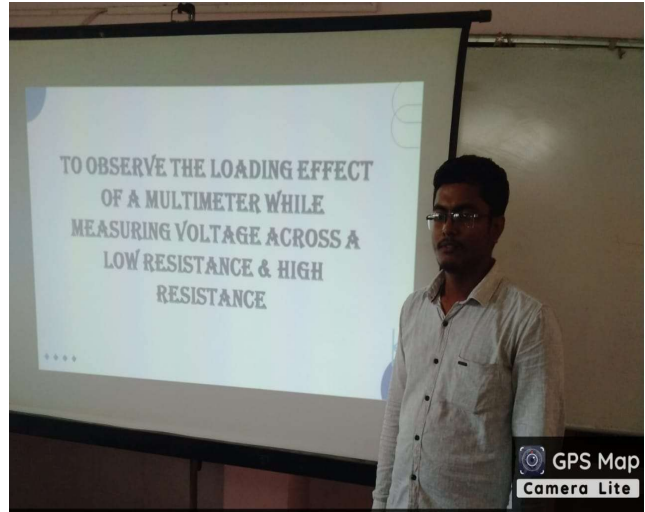
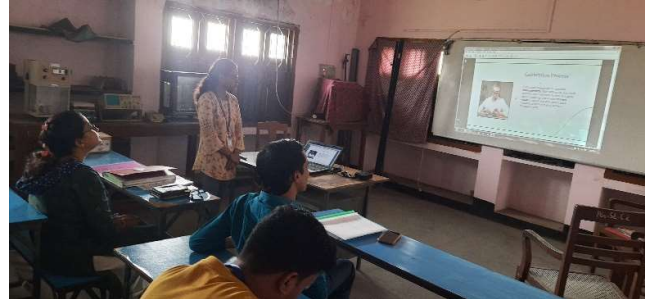
ACKNOWLEDGEMENT

I would like to express my special thanks and gratitude to my teacher Dr. Koushik Mukherjee, who gave me the golden opportunity to do this SEC project, which also helped me in doing a lot of research and I came to know about the response of resistor, capacitor & inductor to different type of signals. I am really thankful to him.

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

Indira Mondal
Indira Mondal
3rd Semester
Dept. of Physics
Banwarilal Bhalotia College

During the time of final practical examination, students presented a seminar on the subject of the assigned project work. On the basis of their submitted project report, presentation and a viva-voce they have been awarded marks on that paper. Some glimpses of the students' presentations are shown below.



**Summary Report of Fieldwork conducted by the Department of Geography, Hindi Shift
(1st September, 2023 to 31st May, 2024)**

The Department of Geography (Hindi Shift), Banwarilal Bhalotia College organized a field trip to Sidhabari, Asansol, West Bengal on 11/10/2023 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 Lava-Rishyap, West Bengal from 27/01/2024 to 01/02/2024 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)

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 Sidhabari, Asansol on 11.10.2023.

A total number of 45 students are 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 teachers and students is tabulated as under:

Sl. No.	Name of the students	Sl. No.	Name of the students	Sl. No.	Name of the students	Sl. No.	Name of the students
1	Aafrin Jawed	12	Karan Burnwal	23	Pawan Kumar Sharma	34	Shahnaz Parween
2	Aman Paswan	13	Khushboo Kumari	24	Pragya Sinha	35	Shama Khatun
3	Anand Roy	14	Kumari Himani	25	Prativa Kumari Singh	36	Shreya Shrivastava
4	Anish Kumar Routh	15	Kumkum Sharma	26	Priya Singh	37	Simran Kumari
5	Astuti Gupta	16	Kundan Mehra	27	Rani Kumari Yadav	38	Sipujan Gope
6	Ayush Yadav	17	Laxmi Kumari Das	28	Raunaq Afroz	39	Suraj Kumar Yadav
7	Bikash Kumar Gupta	18	Manish Verma	29	Rohini Tiwari	40	Sweta Kumari Bharti
8	Divya Mishra	19	Manoj Shaw	30	Roshani Kumari	41	Sweta Rout
9	Guddia Kumari	20	Mantosh Kumar Ram	31	Roshni Kumari Singh	42	Tabbasum Khatun
10	Joy Mukhi	21	Naaz Parween	32	Sanjana Kumari	43	Tannu Shaw
11	Jyoti Kumari	22	Nishat Parween	33	Saraswati Kumari Nonia	44	Tanusree Sharma
						45	Piush Singh

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

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

Phone: 0341-2274842
Fax: 0341-2274529
Mobile : 9932940169

Web: www.bbcollege.ac.in
E-mail: bbcollege1944@gmail.com, naac.hec@gmail.com

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ASANSOL - 713303, WEST BENGAL
(INDIA)

1944

Date: 17/1/2024

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 Lava-Rishyap, West Bengal from 27.01.2024 to 01.02.2024 for the part fulfilment 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	Aafrin Jawed	24	Pragya Sinha
2	Aman Paswan	25	Prativa Kumari Singh
3	Anand Roy	26	Priya Singh
4	Anish Kumar Routh	27	Rani Kumari Yadav
5	Astuti Gupta	28	Raunaq Afroz
6	Ayush Yadav	29	Rohini Tiwari
7	Bikash Kumar Gupta	30	Roshani Kumari
8	Divya Mishra	31	Roshni Kumari Singh
9	Guddia Kumari	32	Sanjana Kumari
10	Joy Mukhi	33	Saraswati Kumari Nonia
11	Jyoti Kumari	34	Shahnaz Parveen
12	Karan Burnwal	35	Shama Khatun
13	Khushboo Kumari	36	Shreya Shrivastava
14	Kumari Himani	37	Simran Kumari
15	Kumkum Sharma	38	Sipujan Gope
16	Kundan Mehra	39	Suraj Kumar Yadav
17	Laxmi Kumari Das	40	Sweta Kumari Bharti
18	Manish Verma	41	Sweta Rout
19	Manoj Shaw	42	Tabbasum Khatun
20	Mantosh Kumar Ram	43	Tannu Shaw
21	Naaz Parveen	44	Tanusree Sharma
22	Nishat Parveen	45	Piush Singh
23	Pawan Kumar Sharma		

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



A. Basu
(PRINCIPAL)
Banwarilal Bhalotia College,
Asansol, West Bengal-713303

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

List of students going for compulsory field trip

Sl. No.	Name of the students
1	Aafrin Jawed
2	Aman Paswan
3	Anand Roy
4	Anish Kumar Routh
5	Astuti Gupta
6	Ayush Yadav
7	Bikash Kumar Gupta
8	Divya Mishra
9	Guddia Kumari
10	Joy Mukhi
11	Jyoti Kumari
12	Karan Burnwal
13	Khushboo Kumari
14	Kumari Himani
15	Kumkum Sharma
16	Kundan Mehra
17	Laxmi Kumari Das
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19	Manoj Shaw
20	Mantosh Kumar Ram
21	Naaz Parween
22	Nishat Parween
23	Pawan Kumar Sharma
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25	Prativa Kumari Singh
26	Priya Singh
27	Rani Kumari Yadav
28	Raunaq Afroz
29	Rohini Tiwari
30	Roshani Kumari
31	Roshni Kumari Singh
32	Sanjana Kumari
33	Saraswati Kumari Nonia
34	Shahnaz Parween
35	Shama Khatun
36	Shreya Shrivastava
37	Simran Kumari
38	Sipujan Gope
39	Suraj Kumar Yadav
40	Sweta Kumari Bharti
41	Sweta Rout
42	Tabbasum Khatun
43	Tannu Shaw
44	Tanusree Sharma
45	Piush Singh

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

KAZI NAZRUL UNIVERSITY



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

Landslide vulnerability zonation and community preparedness
plan - A case study of Algarah and its surrounding areas,
Kalimpong district, West Bengal

SUBMITTED BY –

NAME :- NISHAT PARWEEN

REGISTRATION NO :- 116211220015

SESSION :- 2021-2024

Department Of Geography (Hindi Shift)

Banwarilal Bhalotia College, Asansol



Estd: 1944


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ASANSOL - 713303, WEST BENGAL
(INDIA)

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


Date: 24/05/2024

Certificate for the Completion of Field Report

This is to certify that Mr./Ms. Simman kumari, a student of the Department of Geography (Hindi Shift) bearing Roll No. and Registration No. 116211220059 Session. 2021-22 has successfully completed his/her field report entitled **Landslide vulnerability zonation and community preparedness plan - A case study of Algarah and its surrounding areas, Kalimpong district, West Bengal** for the partial fulfillment of B. Sc. Semester VI Examination, 2024 under the supervision and guidance of the undersigned.


Dr. Manas Pal
Assistant Professor
Department of Geography (Hindi Shift)
Banwarilal Bhalotia College
Asansol




Ms. Sohini Neogy
Assistant Professor
Department of Geography (Hindi Shift)
Banwarilal Bhalotia College
Asansol

KAZI NAZRUL UNIVERSITY



B.S.C. HONOURS SEMESTER VI EXAMINATION

**Disaster Management Project
Work(BSCHGEOC602)**

Landslide vulnerability zonation and community preparedness plan - A case study of Algarah and its surrounding areas, Kalimpong district, West Bengal

NAME: MANTOSH KUMAR RAM
ROLL NO.: 226
REGISTRATION NO.: 116211220022
SESSION: 2021-2024

**DEPARTMENT OF GEOGRAPHY (HINDI SHIFT)
BANWARILAL BHALOTIA COLLEGE, ASANSOL**

KAZI NAZRUL UNIVERSITY



**FIELD TECHNIQUES SURVEYING & RESEARCH METHODS
SEMESTER - V
EXAMINATION-2023-24**

FIELD REPORT

NAME:- ASTUTI GUPTA
REGISTRATION NO. :- 116211220025
SESSION :2021-24

**DEPARTMENT OF GEOGRAPHY (HINDI SHIFT)
BANWARILAL BHALOTIA COLLEGE**

Sample travel tickets for reaching the study area

पूर्व रेलवे / EASTERN RAILWAY



शुभ यात्रा HAPPY JOURNEY

एक कदम स्वच्छता की ओर

Helpline No.139

टिकट नं. TICKET NO.

PNR/Arrival/Departure No.139

पी एन आर नं. / PNR NO.

GAC:996421 GSTIN-IR119AAGM02B9C1ZG STATE OF SUPPLY:19 WEST BENGAL



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रेलवे स्टेशन में जहाँ-तहाँ
बुकना या रेलवे परिसर
अथवा रेल गाड़ी में गंदगी
फैलाना मना है।
रेलवे परिसर की स्वच्छता
को दूषित करने पर
जुर्माना लगेगा।
Littering / Spitting is
strictly
prohibited in Trains /
Platforms / Railway
Premises.
Penalties for activities
affecting cleanliness
and hygiene in the
Railway Premises.

श्रेणी / CLASS

62-6292351

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आसनसोल जं. न्यू माल जं. बर्द्धमान जं.

कोच / COACH

सीट/बर्थ / SEAT/BERTH

लिंग / GENDER

आयु / AGE

यात्रा प्राधिकार / T.AUTHORITY

विवरण / CONC

आ.शु. / R.FEE

स.शु. / S.CH.

सु.अ. / SFCH

वाकचर रु. / VOUCH.Rs.

कु. नकद रु. / T.CASHRs.

तक आरक्षित / RESV. UP TO

रेलवे स्टेशन में जहाँ-तहाँ
बुकना या रेलवे परिसर
अथवा रेल गाड़ी में गंदगी
फैलाना मना है।
रेलवे परिसर की स्वच्छता
को दूषित करने पर
जुर्माना लगेगा।
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शुभ यात्रा HAPPY JOURNEY

एक कदम स्वच्छता की ओर

Helpline No.139

टिकट नं. TICKET NO.

PNR/Arrival/Departure No.139

पी एन आर नं. / PNR NO.

GAC:996421 GSTIN-IR119AAGM02B9C1ZG STATE OF SUPPLY:19 WEST BENGAL



टिकट नं. TICKET NO.

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श्या बर्द्धमान जं. न्यू माल जं.

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 SAC:996421 GSTIN-IR:19AAAGM0289C1ZG STATE OF SUPPLY:19 WEST BENGAL

श्रेणी / CLASS 612-6292673 13149 27-01-2024 534 4 0 तक/से 66248498

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S1	67	UB	M 20	ASN 6326292599		VALID WITH ORIGINAL ID	
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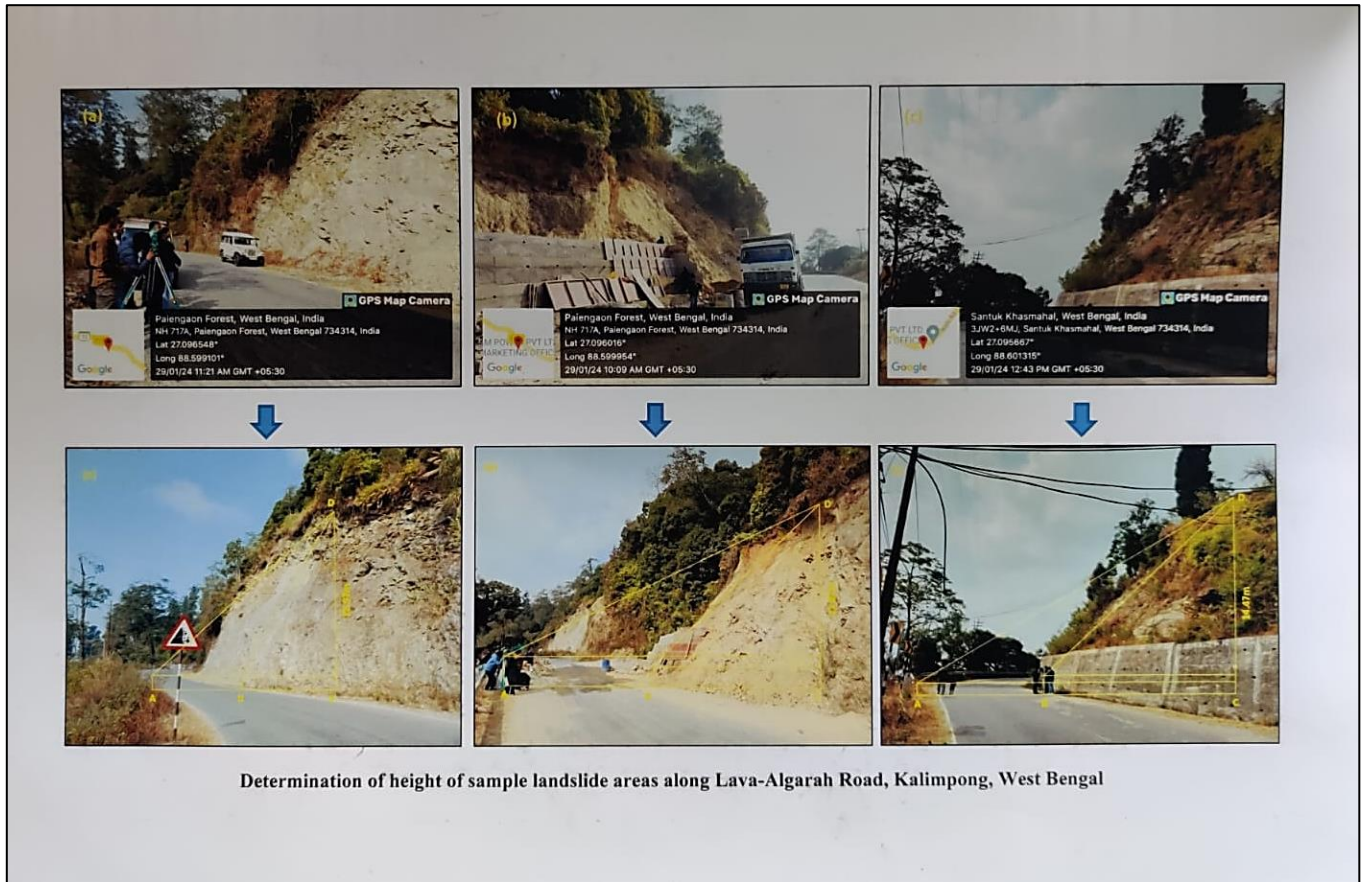
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ATLANTA FORMS

Field Photographs





Group photographs of Landslide survey team, Semester VI, 2024, Lava, Kalimpong, West Bengal



Primary data collection, Algarah and its surroundings, dated 29/01/2024



Structural measures taken to protect landslide areas, Algarah and its surroundings, Kalimpong district, West Bengal

Field Work Documents (1st September,2023 to 31st May,2024)

Department of Geography

The Department of Geography organized one field Survey to Sundarban particularly in Chargheri, Sundarban for the fulfillment of partial requirement of B.Sc 6th semester examinations, 2024. A field report has been prepared on Social Dimension of Disaster in Chargheri Villeg Area, Sundarban for this field survey was 29th January to 2nd February,2024. Relevant documents given below:

Date: 04/01/2024

To
Principal,
Banwarilal Bhalotia College,
Paschim Bardhaman, Asansol-713303

Sub: Permit of field survey to Sundarban, West Bengal from 29th January to 02nd February, 2024 of Geography Department

Sir,

This is to inform you that as the field survey report on disaster management for Semester- V Geography honors is compulsory, field excursion is necessary. So for that Sundarban has been selected as the place of field survey by our department unanimously from 29th January to 2nd February. Therefore, I will be highly obliged if you grant my prayer and permit us for this field survey to Sundarban.

Thanking you.

Sincerely Yours,

Chandana Singha
(Dr Chandana Singha)

Head

Department of Geography

Banwarilal Bhalotia College, Asansol

Permitted
ABM

Part of Syllabus mentioned the concerned topic of Field Survey:

1. Bhat, L.S., (2009): *Geography in India* (Selected Themes). Pearson
2. Bonnett, A., (2008): *What is Geography?* Sage.
3. Dikshit, R. D., (1997): *Geographical Thought: A Contextual History of Ideas*, Prentice-Hall India.
4. Freeman, R., (1970): *Hundred year of Geography*, Hutchinson. London.
5. Hartshorn, R., (1959): *Perspectives of Nature of Geography*, Rand MacNally and Co.
6. Harvey, David., (1969): *Explanation in Geography*, London: Arnold.
7. Holt-Jensen, A., (2011): *Geography: History and Its Concepts: A Students Guide*, SAGE.
8. Hussain, M., (2005): *Bhugolik Chintan Ka Itihas*, Rawat Publications .
9. Johnston, R. J., (1997): *Geography and Geographers*, Anglo-American Human Geography since (1945), Arnold, London.
10. Johnston, R. J., (Ed.): *Dictionary of Human Geography*, Routledge.
11. Kapur, A., (2001): *Indian Geography Voice of Concern*, Concept Publications.
12. Martin Geoffrey J., (2005): *All Possible Worlds: A History of Geographical Ideas*, Oxford.
13. Singh, R.B. (2016): *Progress in Indian Geography*, Indian National Science Academy, New Delhi.
14. Soja, Edward (1989): *Post-modern Geographies*, Verso, London. Reprinted 1997: Rawat Publ., Jaipur and New Delhi.
15. Sudeepta, Adhikari., (2015): *Fundamentals of Geographical Thought*, Orient blackswan private limited.

Course Name: Disaster Management Project Work

Course Code: BSCHGEOC602

Course Type: 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
		30	.....	20	.....

Course Learning Outcomes:

- After the completion of course, the students will have ability to:
1. Understand processes and impact of disaster on empirical basis.
 2. Distinguish both the natural and man-made disaster.
 3. Design and prepare project work on disasters.

Course Content:

The Project Report based on any two field-based case studies among following disasters and one disaster preparedness plan of respective college/locality and district:

1. Flood
2. Drought



UG Learning Outcome Based Curriculum (LOCF) for Geography Hons.

3. Cyclone and Hailstorms
4. Earthquake and Volcanoes
5. Landslides
6. Human Induced Disasters: Fire Hazards, Chemical, Subsidence, Industrial accidents.

Continuous Assessment: Assessment of the project report and Presentation (PPT/ Poster)

i) Practical Record: (Project Report): (15 +15 Marks)

Two Project Reports (case study) based on two different hazards listed above have to be prepared. At least one report has to be based on field study and contain a disaster preparedness plan.

Each Report must be typed on A4 page containing 2000 to 3000 words with necessary maps and diagrams. The total pages of the report have to be within 12 pages.

ii) End Semester Evaluation will be based on project report and viva.

References/ Suggested Readings:

1. Carter, N., (1991): *Disaster Management: A Disaster Manager's Handbook*. Asian Development Bank, Manila.
2. Government of India (2011): *Disaster Management in India*. Ministry of Home Affairs, New Delhi.
3. Government of India (2008): *Vulnerability Atlas of India*. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India
4. Kapur, A., (2010): *Vulnerable India: A Geographical Study of Disasters*, Sage Publication, New Delhi.
5. Mokh, S., (2010): *Managing Natural Disaster: Hydrological, Marine and Geological Disasters*, Macmillan, Delhi.
6. Ramkumar, M., (2009): *Geological Hazards: Causes, Consequences and Methods of Containment*, New India Publishing Agency, New Delhi.
7. Savindra, Singh and Jeetendra, S., (2013): *Disaster Management*, Pravalika Publications, Allahabad
8. Singh Jagbir., (2007): "Disaster Management Future Challenges and Opportunities", 2007. Publisher- I.K. International Pvt. Ltd New Delhi, India.
9. Singh, R. B., (ed.), (2006): *Natural Hazards and Disaster Management: Vulnerability and Mitigation*, Rawat Publications, New Delhi.
10. Singh, R.B., (2005): *Risk Assessment and Vulnerability Analysis*, IGNOU, New Delhi. Chapter 1, 2 and 3
11. Sinha, A., (2001): *Disaster Management: Lessons Drawn and Strategies for Future*, New United Press, New Delhi.
12. Stoltman, J.P., et al. (2004): *International Perspectives on Natural Disasters*, Kluwer Academic Publications. Dordrecht.

Students Name	Gender
ABHISEK GORAI	M
ABIR MUKHERJEE	M
ANINDITA MURMU	F
ANJALI CHOUHAN	F
ANKITA MAJI	F
ARTI MARANDI	F
BIJOY GHOSH	M
BRISTI SARKAR	F
DEBJIT ROY	M
DIBYANGANA SANYAL	F
DIYA GORAI	F
DRAKHASHAN PARWEEN	F
HEMA KORA	F
JHILIK RAJAK	F
KAZI NILUFA HANNAN	F
MADHUMITA MAJI	F
MITA MARANDI	F
PARIMAL HANSDA	M
PAYAL CHATTOPADHYAY	F
PAYAL MAJI	F
PAYEL KHAN	F
PRITY ROY	F
PRIYA YADAV	F
PRIYANKA KUMARI	F
PUJA MAJI	F
RIMLI BANK	F
ROHAN ROY	M
RUPAM KUMARI	F
RUPSA KUMBHAKAR	F
S.RANJITH	M
SABA TABASSUM	F
SHIV SWARAJ RAI	M
SHREYA GOPE	F
SNEHA MUKHERJEE	F
SONALI GHOSH	F

SOUMADEEP NANDI	M
SOUVIK SAHA	M
SUDESNA BHATTACHARYA	F
SUMAN PAUL	M

Name of the Teachers:

1. Dr. Chandana Singha
2. Mrs. Madhumita Mondal
3. Mrs. Disha Sengupta
4. Mrs. Sayantani Roy

Name of the Non-Teaching Staff:

1. Mr. Swarup Sutradhar

KAZI NAZRUL UNIVERSITY



BANWARILAL BHALOTIA COLLEGE



SOCIAL DIMENSION OF DISASTER IN CHARGHERI VILLAGE AREA , SUNDARBAN

REGISTRATION NO :- KNU102211220267
SEMESTER :- VI
COURSE NAME :- DISASTER MANAGEMENT
PROJECT WORK
EDUCATION
COURSE CODE :- BSCHGEOC602
SESSION :- 2021-2024

CERTIFIED BY

ACKNOWLEDGEMENT

I would like to extend my sincere and heartfelt obligation toward all those who have helped me in making this project. Without their active guidance, help, cooperation & encouragement, I would not have been able to present the project on time.

I am extremely thankful and pay my gratitude to my teacher Mrs. Disha Sengupta for her valuable guidance and support for completion of this assignment.

We also take the opportunity to acknowledge the contribution of Mrs. Chandana Singha (HOD), Mrs. Sayantani Roy & Mrs. Madhumita Mondal for their full support & inspiration during the assignment.

We also do not like to miss the opportunity to acknowledge the contribution of non-teaching staff Swarup Sutradhar of the Department for his kind cooperation during the development of the assignment.

Last, we acknowledge our friends for their contribution in the completion of the project.

KAZI NILUFA HANNAN

REG NO – KNU102211220267

DEPARTMENT OF GEOGRAPHY

KAZI NAZRUL UNIVERSITY



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DEPARTMENT OF GEOGRAPHY

To Whom It May Concern

This is to certify that Mr./Miss. KAZI NILUFA HANNAN a student of semester VI of this department having Registration No.102211220267 , has prepared this project report (Core Course-14: Disaster Management Project Work) on SOCIAL DIMENSION OF DISASTER IN CHARGHERI VILLEGE AREA, SUNDARBAN to fulfil the partial requirement of Bsc. 6th Semester Examinations, 2024.

I wish him/her every success in life.

Atankupla
30.05.2024

Supervisor



KAZI NAZRUL UNIVERSITY



**"SOCIAL DIMENSIONS OF DISASTER
IN CHARGHERI VILLAGE AREA, SUNDERBAN"**

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

Submitted By

KAZI NILUFA HANNAN

Registration No.-KNU102211220267

Under the Guidance of

MRS. DISHA SENGUPTA

DEPARTMENT OF GEOGRAPHY

BANWARILAL BHALOTIA COLLEGE

ASANSOL-713303

2023 - 2024

KAZI NAZRUL UNIVERSITY



**A project Report on
SOCIAL DIMENSIONS OF DISASTER IN CHARGHERI
VILLAGE AREA, SUNDARBAN**

**Submitted In The Partial Fulfilment
of The Requirements For The Award of The Degree
BACHELOR IN SCIENCE IN GEOGRAPHY**

**Submitted By
SUMAN PAUL**

**Registration No
102211220241**

**Roll No
DSH-151/21**

**Under the Guidance of
MRS. DISHA SENGUPTA
DEPARTMENT OF GEOGRAPHY
BANWARILAL BHALOTIA COLLEGE
ASANSOL-713303**









An initiative was taken by the Department of Geography, B.B.College, Asansol to plant Mangrove saplings in collaborations with Purbasha, Eco Helpline Society, Sundarban at Chargheri Village, 2024 as a step to Save Mangrove and Help Sundarban

Link of the Project Report:

https://drive.google.com/file/d/1H7s_xpRXPX2GrRG8Y2XBW0Y1G6-VJj4/view?usp=drive_link

FIELD WORK DOCUMENTS (1ST SEPTEMBER,2023 TO 31ST MAY, 2024)

DEPARTMENT OF GEOGRAPHY

The department of Geography organized one day field survey to Onda, Bankura District, West Bengal for the fulfillment of partial requirement of B.sc 6th semester examination, 2024. A fields report has been prepared on soil fertility improvement method. This survey was held on -12th March, 2024. Relevant documents given below:

To

Date: 05/03/2024

Principal,

Banwarilal Bhalotia College,

Paschim Bardhaman, Asansol-713303

Sub: Permit of field survey to Onda, Bankura District of West Bengal on 12th March, 2024 of Geography Department

Sir,

This is to inform you that as the field survey report on Soil Fertility Improvement Methods for Semester- VI Geography honors is compulsory, field excursion is necessary. So for that Onda, Bankura District has been selected as the place of field survey by our department unanimously on 12th March, 2024. Therefore, I will be highly obliged if you grant my prayer and permit us for this field survey to Onda, Bankura District.

Thanking you.

Sincerely Yours,

(Dr Chandana Singha)

Head

Department of Geography

Banwarilal Bhalotia College, Asansol



Permitted
A. Basu
15/3/24
DR. AMITAVA BASU
Principal, B. B. College
Ushagram, Asansol, P. Bardhaman
West Bengal - 713303

Students Name	Gender
ABHISEK GORAI	M
ABIR MUKHERJEE	M
ANINDITA MURMU	F
ANJALI CHOUHAN	F
ANKITA MAJI	F
ARTI MARANDI	F
BIJOY GHOSH	M
BRISTI SARKAR	F
DEBJIT ROY	M
DIBYANGANA SANYAL	F
DIYA GORAI	F
DRAKHASHAN PARWEEN	F
HEMA KORA	F
JHILIK RAJAK	F
KAZI NILUFA HANNAN	F
MADHUMITA MAJI	F
MITA MARANDI	F
PARIMAL HANSDA	M
PAYAL CHATTOPADHYAY	F
PAYAL MAJI	F
PAYEL KHAN	F
PRITY ROY	F
PRIYA YADAV	F
PRIYANKA KUMARI	F
PUJA MAJI	F
RIMLI BANK	F
ROHAN ROY	M
RUPAM KUMARI	F
RUPSA KUMBHAKAR	F
S.RANJITH	M
SABA TABASSUM	F
SHIV SWARAJ RAI	M
SHREYA GOPE	F
SNEHA MUKHERJEE	F

SONALI GHOSH	F
SOUMADEEP NANDI	M
SOUVIK SAHA	M
SUDESNA BHATTACHARYA	F
SUMAN PAUL	M

Name of the Teachers:

1. Dr. Chandana Singha
2. Mrs. Madhumita Mondal
3. Mrs. Disha Sengupta
4. Mrs. Sayantani Roy

Name of the Non-Teaching Staff:

1. Mr. Swarup Sutradhar



UG Learning Outcome Based Curriculum (LOCF) for Geography Hons.

11. Sassen, S., (2001): *The Global City: New York, London and Tokyo*, Princeton University Press.
12. Singh, R.B., (Ed.) (2015): *Urban development, challenges, risks and resilience in Asian megacities*, Advances in Geographical and Environmental Studies, Springer
13. Singh, R.B., (Eds.) (2001): *Urban Sustainability in the Context of Global Change*, Science Pub., Inc., Enfield (NH), USA and Oxford & IBH Pub., New Delhi.
14. Sharma, Poonam and Rajput, Swati (Eds.) (2017) *Sustainable Smart Cities in India: Challenges and Future Perspectives*, Springer.
15. Sharma, Vishwa Raj and Chadrakanta, (2019): *Making Cities Resilient*, Springer.

Course Name: Soil Geography

Course Code: BSCHGEODSE605

Course Type: Discipline Specific Elective (Theoretical)	Course Details: DSEC-3 or DSEC -4		L-T-P: 5 - 1 - 0		
Credit: 6	Full Marks : 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		...	10	.....	40

Course Learning Outcomes:

After the completion of course, the students will have ability to:

1. Understand the concepts related to soil.
2. To know the soil diversities and importance of their preservation
3. To know about soil fertility and its significance

Course Content:

1. Concept of soil, pedology, and pedogenic processes, soil functions, Physical and chemical properties of soil: Texture, Structure, pH, Organic matter
2. Factors of soil development, Concept of soil profile, profile development of zonal soils: Laterite, Chernozem and Podzol
3. Concept of soil fertility, factors affecting fertility and fertility improvement methods.
4. Soil erosion, soil degradation, need and strategies of soil conservation, distribution and characteristics of Indian soils
5. USDA classification of Soils, types of soil survey

Continuous assessment: Assignment on fertility improvement methods based on the survey of a rural Mouza.

References/ Suggested Readings:

1. Biswas, T.D. and Mukherjee, S.K. 1987, *Text book of Soil Science*. Tata-McGraw-Hill.
2. Brady. N.C. and Weil. R.R. 1996, *The Nature and Properties of Soil*. 11th edition. Longman. London.
3. Floth. H.D. 1990, *Fundamentals of Soil Science*, 8th edition. John Wiley and Sons. New York.
4. Morgan. R.P.C. 1995, *Soil Erosion and Conservation*, 2nd edition. Longman. London.
5. Schwab. G.O. Fandmeir. D.D. and Eliot, W.J. 1996, *Soil and Water Management Systems*, 4th edition, John Wiley and Sons Inc. New York.
6. Young. A. 2000, *Land Resources: Now and for the Future*, Cambridge University Press. Cambridge.

KAZI NAZRUL UNIVERSITY



Assignment of fertility improvement method in Onda, Bankura District, west Bengal



SUBMITTED BY:-

KAZI NILUFA HANNAN

REGISTRATION NO : 102211220267

DEPARTMENT OF GEOGRAPHY

BANWARILAL BHALOTIA COLLEGE

USHAGRAM, ASANSOL -713303

SEASON : 2021 - 2022



Estd: 1944

Banwarilal Bhalotia College

Affiliated to KAZI NAZRUL UNIVERSITY, Asansol
(GOVT. SPONSORED UG & PG College)

ASANSOL – 713303, WEST BENGAL
(INDIA)

Phone: 0341-2274842

Fax :0341-2274529

Web:www.bbcollege.ac.in

Date: 24/06/2024

Certificate for the Completion of Field Report

This is to certify that Mr./Ms. Kazi Nilufa Hanman, a student
of the Department of Geography (Day Shift) bearing Roll No. DAU-258/21 and
Registration No. 102211220267 Session 2021-2022 has successfully
completed his/her field report (DSE 4 - Soil Geography)
on Fertility Improvement Method in
Anda, Bankura District, West Bengal
to the partial fulfillment of B. Sc. Semester VI Examination, 2024.

Department of Geography (Day Shift)
Banwarilal Bhalotia College
Asansol

ACKNOWLEDGEMENT

It give us a great sense of pleasure to present the report of soil undertaken during our Geography (Hons) final year. We express our gratitude to the honourable principle of Banwarilal Ahalolia college up, Amtava Nawa for this constant support and throughout the course of this work. Our deepest thanks to my Assignment guide Mrs. Sayantani Roy for guiding and connecting various document of our attention and care. His only her cognizant efforts that our endeavours have seen light of the day. We acknowledge her advice and help as a consultant source of inspiration during the development of the entire assignment. We also take opportunity to acknowledgement Dr. Chandana singha, Mrs. Malhumita Mondal

Mrs. Diha Sengupta for their full support and inspiration during the development of the assignment.

Then we like to offer our gratitude to our non-teaching staff especially our mother for his sincere help which he provide during the survey. They lead to good comfortable and successful survey. Last but not the least, we acknowledge our friend for their contribution in the completion of the project.

Kazi Safa Humam
Date: 24/12/2024



GPS Map Camera



Indra, West Bengal, India
46GH+CJ9, Bankura - Bishnupur Rd, Indra, West Bengal
722144, India
Lat 23.126281°
Long 87.230255°
12/03/24 11:53 AM GMT +05:30

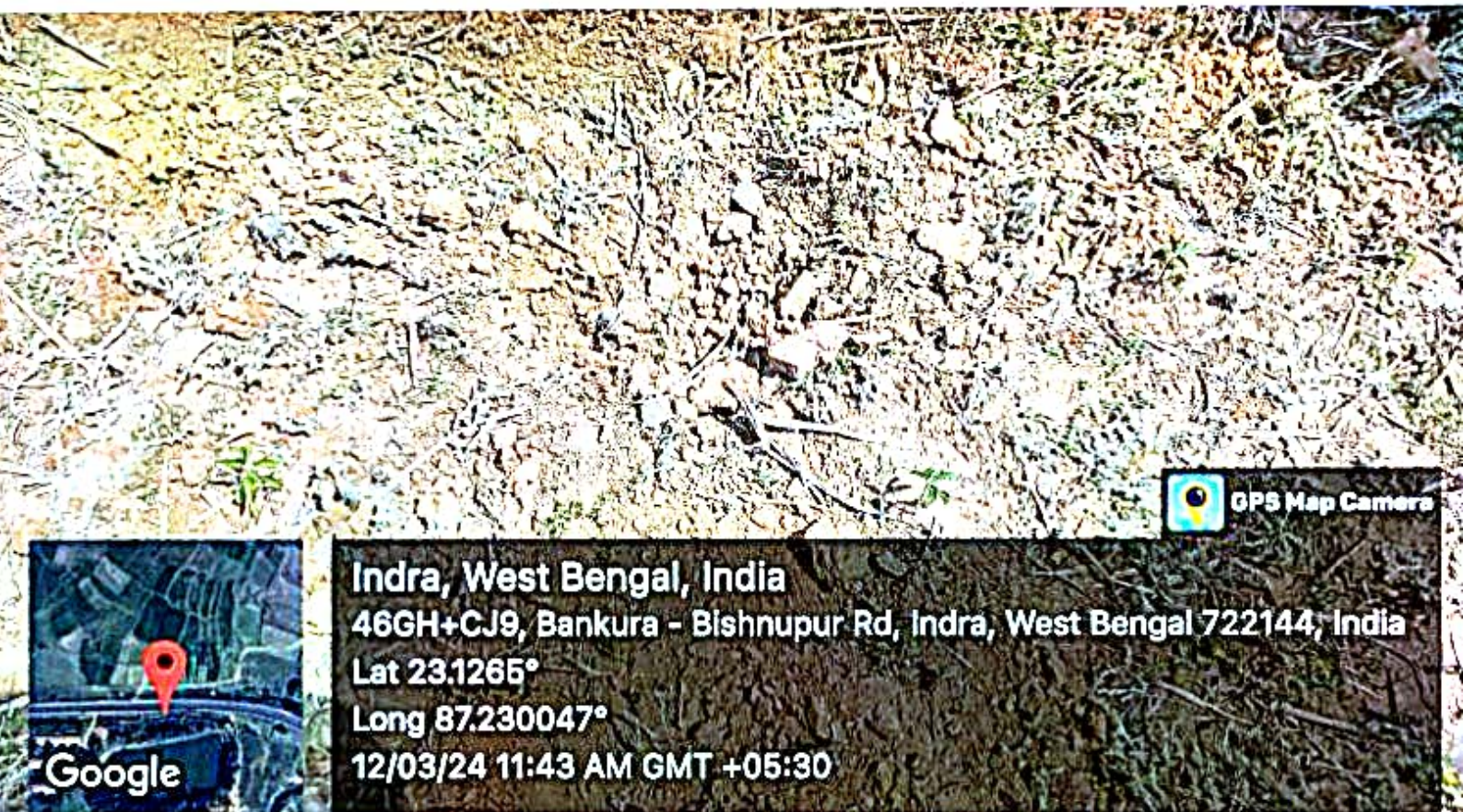


GPS Map Camera

Asansol, West Bengal, India
Srijani Apartment, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681369°
Long 86.99767°
08/04/24 02:34 PM GMT +05:30



Google



GPS Map Camera

Indra, West Bengal, India
46GH+CJ9, Bankura - Bishnupur Rd, Indra, West Bengal 722144, India
Lat 23.1265°
Long 87.230047°
12/03/24 11:43 AM GMT +05:30



Google



GPS Map Camera



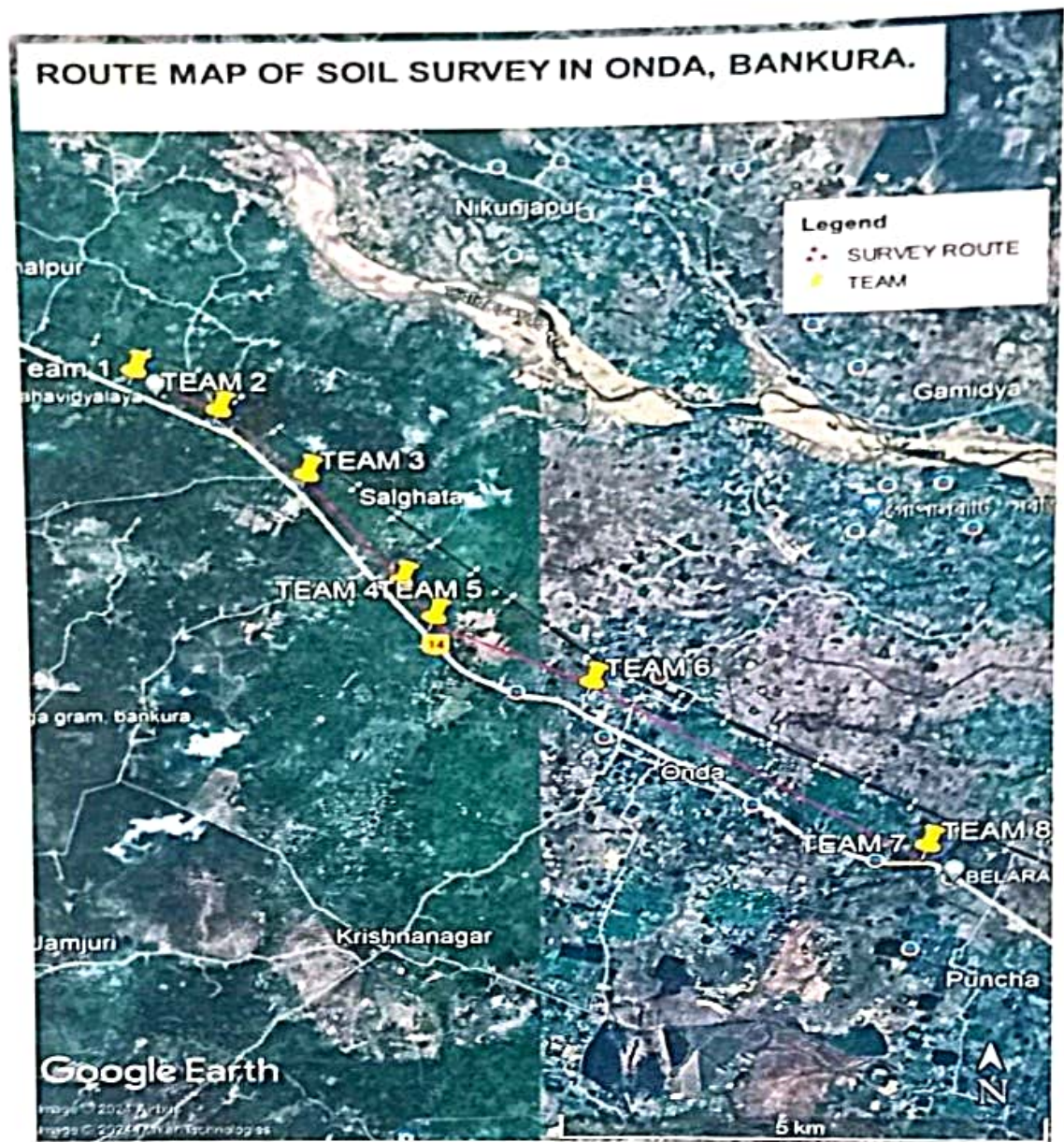
Asansol, West Bengal, India
Srijani Appartment, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681452°
Long 86.998077°
08/04/24 02:34 PM GMT +05:30



GPS Map Camera



Asansol, West Bengal, India
Srijani Appartment, Ushagram, Asansol, West Bengal 713303, India
Lat 23.68111°
Long 86.99765°
01/04/24 02:54 PM GMT +05:30



LINK OF THE FIELD REPORT

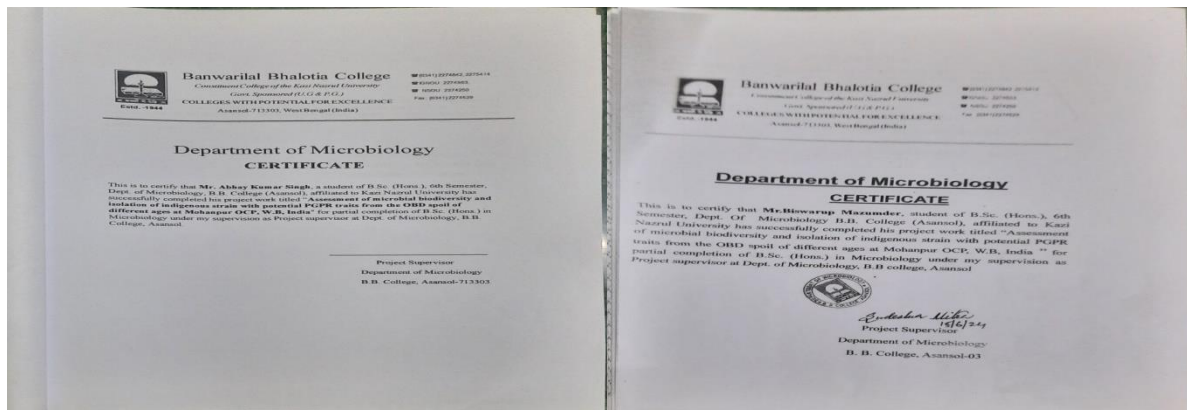
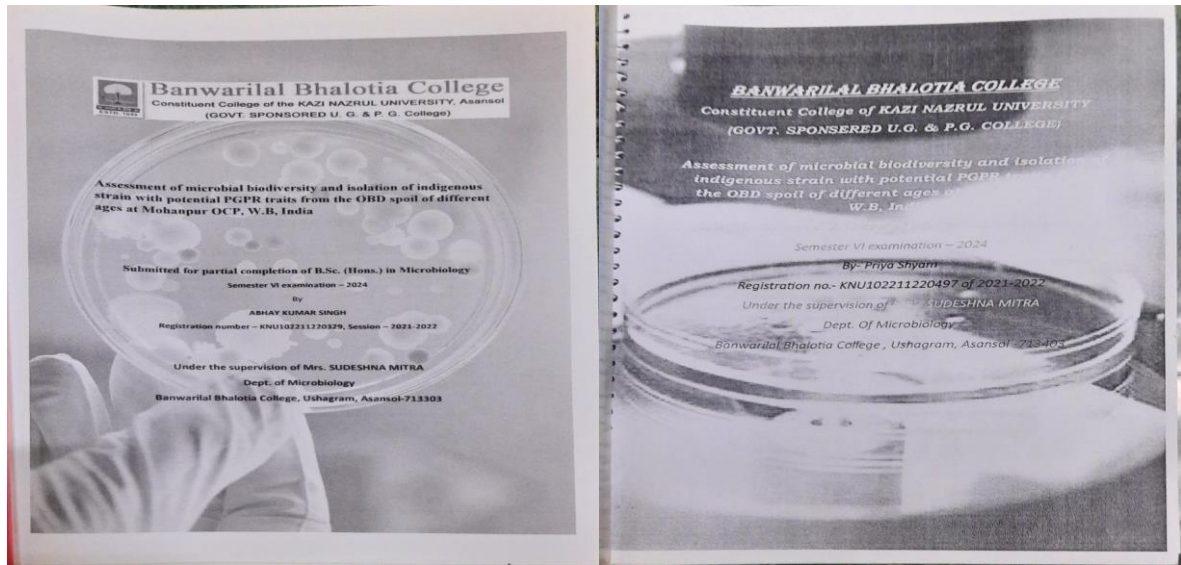
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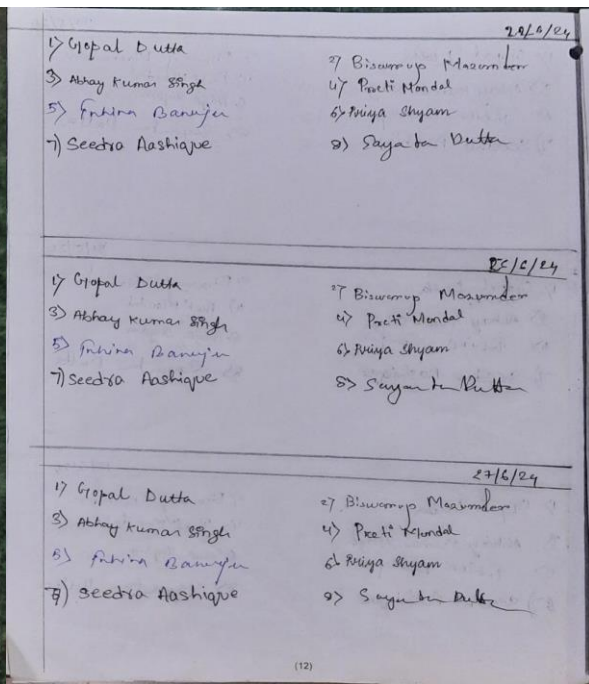
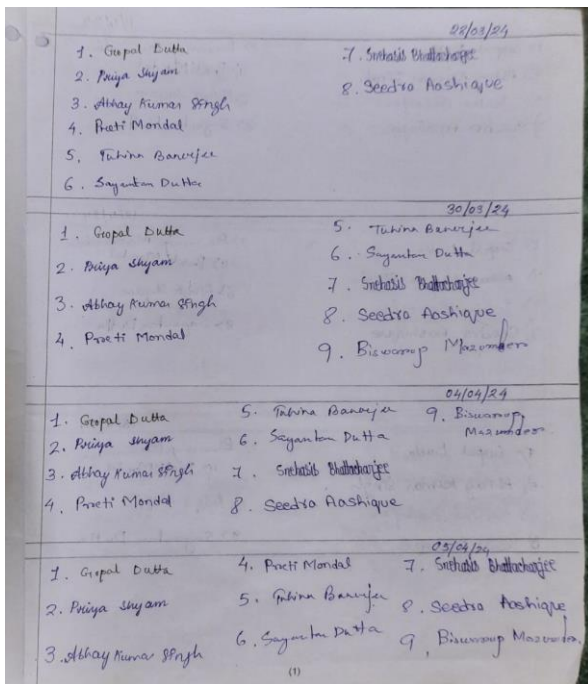
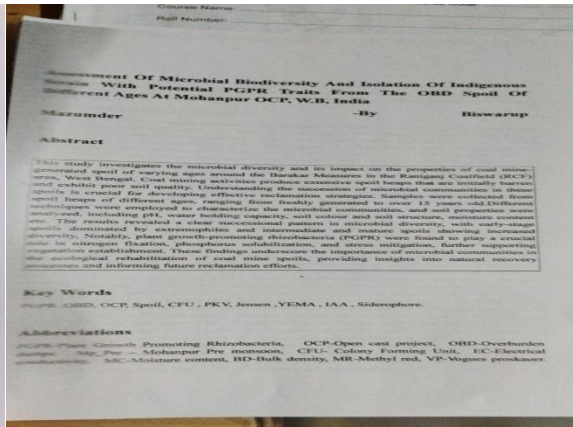
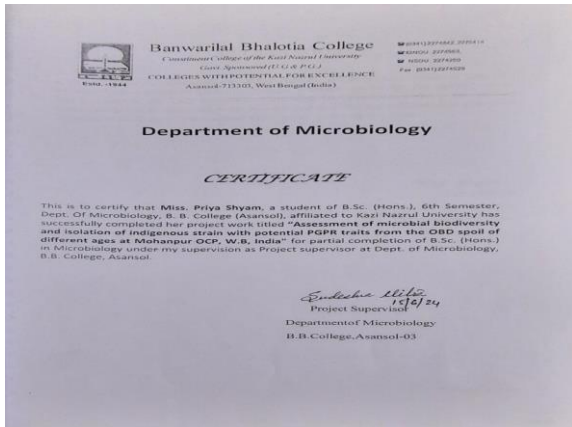
SUDESHNA MITRA

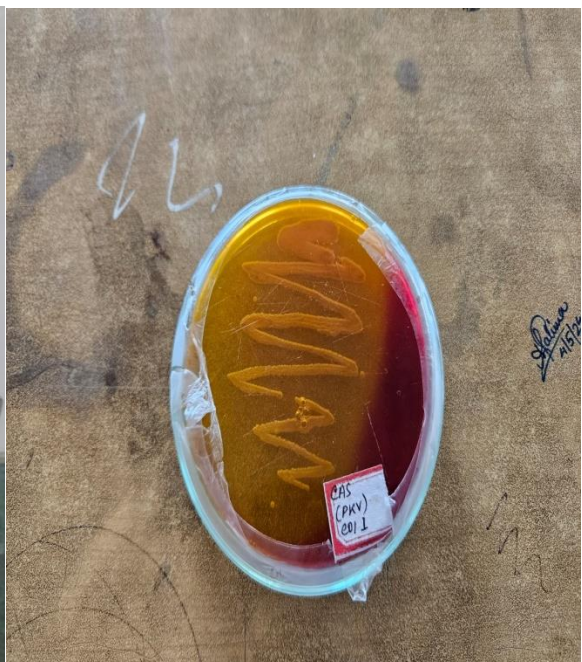
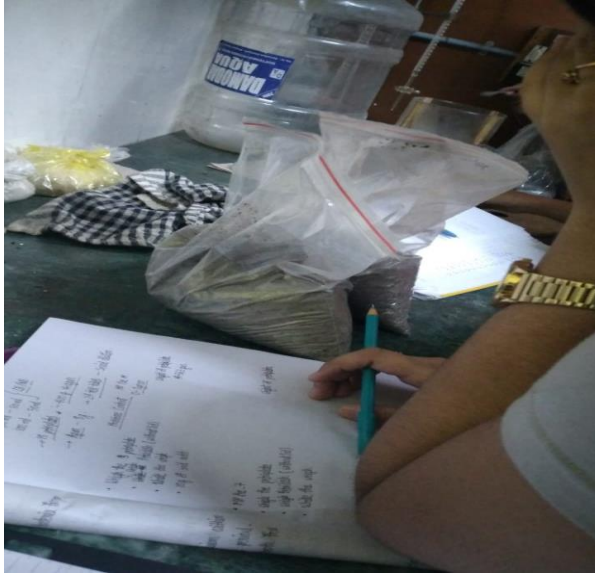
PROJECT REPORT

This scientific small scale research project is a part of the curriculum of semester 6 that partially fulfill the criteria of completion of B.Sc. (Hons.) in Microbiology as per the framed syllabus of Kazi Nazrul University. The research topic was chosen by keeping in mind the social and environmental impact of its outcome. As self-indicative the project “Assessment of microbial biodiversity and isolation of indigenous strain with potential PGPR traits from the OBD spoil of different ages at Mohanpur OCP, W.B, India” employ isolation of bacteria as well as fungi from the spoiled soil of Mohanpur opencast coalmine project that were naturally present in the soil before coal elevation, and aided the destroyed land to restore their fertile nature. Various physical, chemical, biochemical and biological tests of mine spoils were done to specifically isolate some microbes with potent plant growth promoting, soil reclamation, pollutant degradation and plant pathogen antagonistic properties. As this is a short term project species identification couldn't have done but this can be extended further in next term. If microbes of desired properties could be isolated they can be used commercially for organic fertilizer production.

PROJECT DOCUMENTS







PROJECT REPORT

SANGHAMITA DASGUPTA

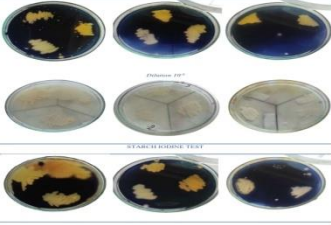
ISOLATION AND SCREENING OF AMYLASE PRODUCING BACTERIA FROM DIFFERENT SOIL SOURCES AND EFFECT OF DIFFERENT PHYSIO-CHEMICAL PARAMETERS ON AMYLASE ACTIVITY.

A short term project is given as a part of curriculum of 6th semester students to develop basic skills for data retrieval ,representation, analysis and interpretation, This project topic was chosen to investigate and identify the bacterial isolates from different those can produce the amylase. Different physical properties of the different soil samples were studied. Six amylase producing microorganisms were identified (by observing the clear zone on starch agar plates). Various biochemical tests were performed to observe the nature of those six isolates, Crude amylase enzyme was extracted (via centrifugation method). Amylase activity was calculated. Effect of different pH,temperature and heavy metals on amylase activity was observed. The main goal of isolating amylase producing bacteria from different soil samples to find microorganisms those can produce large amount of amylase in a variety of industries through the further studies in future.

LIST OF THE STUDENTS PARTICIPATED IN THIS PROJECT

SUDIPTA ROY
DHIRAJ SEN
DEBOLINA SINHA
ARINDAM CHATTERJEE
JAYITA DAS
PRIYA BANERJEE
DEBESH RANJAN DEY
ARNAB MUKHERJEE





1/6/24
 1) Arindam Chatterjee
 2) Anand Mahajan Das
 3) Jayita Das
 4) Anand Chatterjee Anand Mahajan
 5) Pragna Banerjee
 6) Indrajit Sen
 7) Swadipa Roy

2/4/24
 1) Jayita Das
 2) Anand Mahajan
 3) Debolina Sinha
 4) Anand Chatterjee
 5) Pragna Banerjee
 6) Indrajit Sen
 7) Arindam Chatterjee

02/04/24
 1) Pragna Banerjee
 2) Arindam Chatterjee
 3) Jayita Das
 4) Anand Chatterjee
 5) Anand Mahajan

20/05/24
 1) Jayita Das
 2) Arindam Chatterjee

01/06/24
 1) Pragna Banerjee
 2) Swadipa Roy
 3) Arindam Chatterjee
 4) Anand Chatterjee Das
 5) Anand Mahajan
 6) Indrajit Sen
 7) Jayita Das

22/6/24
 1) Arindam Chatterjee
 2) Pragna Banerjee
 3) Anand Mahajan
 4) Debolina Sinha
 5) Indrajit Sen
 6) Anand Chatterjee Das
 7) Jayita Das
 8) Swadipa Roy

ISOLATION AND SCREENING OF AMYLASE PRODUCING BACTERIA FROM DIFFERENT SOIL SOURCES AND EFFECT OF DIFFERENT PHYSIO-CHEMICAL PARAMETERS ON AMYLASE ACTIVITY.

Submitted for partial completion of B.Sc. (Hons) in Microbiology Semester VI Examination-2024

Submitted by:
 ARINDAM CHATTERJEE
 Registration no. : KNU102211220224 of 2021-22
 Session: 2021-2024

Under the supervision of Mrs. Saughamita Dasgupta of DEPARTMENT OF MICROBIOLOGY

B.B. COLLEGE
 Ushagram, Asansol-713303

Banwarilal Bhalotia College
 Constituent College of the Kazi Nazimuddin University
 (Grant Sponsored U.G. & P.G.)
 COLLEGE WITH POTENTIAL FOR EXCELLENCE
 Approved by UGC, West Bengal (India)
 ESTD. 1944

Department of Microbiology

CERTIFICATE

This is to certify that Mr. Arindam Chatterjee, a student of B.Sc. (Hons), 6th Semester, Dept. Of Microbiology, B. B. College (Asansol), affiliated to Kazi Nazimuddin University has successfully completed his project work titled "ISOLATION AND SCREENING OF AMYLASE PRODUCING BACTERIA FROM DIFFERENT SOIL SOURCES AND EFFECT OF DIFFERENT PHYSIO-CHEMICAL PARAMETERS ON AMYLASE ACTIVITY" for partial completion of B.Sc. (Hons) in Microbiology under my supervision as Project supervisor at Dept. of Microbiology, B.B. College, Asansol.

Saughamita Dasgupta
 26/07/24
 Project Supervisor

Department of Microbiology
 B. B. College, Asansol-03

ASSESSMENT OF ANTIOXIDANT AND ANTIBACTERIAL ACTIVITY OF PIPER BETEL LEAVES

MAHUA SINHA CHAKRABORTY

This comprehensive study has thoroughly investigated the phytochemical profile and evaluated the antimicrobial and antioxidant potential of sequential betel leaf extracts against a panel of clinically relevant microbial strains and using multiple in-vitro assays. Quantitative analysis revealed significant protein content (using Lowry's method), flavonoids (via aluminum chloride colorimetric assay), steroids (extracted with chloroform and sulphuric acid), and alkaloids (using picric acid). Antioxidant activities were assessed through DPPH inhibition and FRAP assays. Phenolic compounds (via Folin-Ciocalteu method) and ascorbic acid levels (titration) further validated health benefits. Antimicrobial activity was evaluated with the Agar Cup Assay against various bacterial strains. This comprehensive analysis supported the health-promoting properties of betel leaves, emphasizing their potential in nutraceutical and pharmaceutical applications.

Name of the students participated in this project:

- Subhajit Roy
- Tripti Das
- Soumyabrata Pal
- SuranjanKesh
- AntaraMondal
- Ashish Kumar Yadav
- Rohan Prasad Hela
- Supriya Ray
- AisaSarkar





Attendance (02/04/24)

Name	Signature
Tripti Das	Tripti Das
Subhojit Roy	Subhojit Roy
Rohan Prasad Hela	Rohan Prasad Hela
Ashish Kumar Ladan	Ashish Kumar Ladan
Antara Mondal	Antara Mondal
Aisha Sarkar	Aisha Sarkar
Supriya Ray	Supriya Ray
Suranyan Kesh	Suranyan Kesh

Date 02/04/24

3/4/24	
Tripti Das	Tripti Das
Subhojit Roy	Subhojit Roy
Supriya Ray	Supriya Ray
Soumabrata Pal	Soumabrata Pal

Date 03/04/24

4/4/24	
Tripti Das	Tripti Das
Subhojit Roy	Subhojit Roy
Aisha Sarkar	Aisha Sarkar
Antara Mondal	Antara Mondal
Suranyan Kesh	Suranyan Kesh
Soumabrata Pal	Soumabrata Pal
Supriya Ray	Supriya Ray
Rohan Prasad Hela	Rohan Prasad Hela

Date 4/4/24

(1)

21/5/24

Tripti Das	Tripti Das
Subhojit Roy	Subhojit Roy
Soumabrata Pal	Soumabrata Pal
Ashish Kumar Ladan	Ashish Kumar Ladan
Suranyan Kesh	Suranyan Kesh
Aisha Sarkar	Aisha Sarkar
Supriya Ray	Supriya Ray
Antara Mondal	Antara Mondal

**“Assessment Of Antioxidant
And Antibacterial Activity Of
Piper betel Leaves”**

**Submitted for partial completion
of B.Sc. (Hons.)**

**Microbiology Semester VI
examination - 2024**

Submitted by :

SURANJAN KESH

Registration No. : 102211220105 of 2021 - 22

**Under the Supervision of
Dr. Mahua Sinha Chakraborty
DEPARTMENT OF MICROBIOLOGY**

B.B. COLLEGE Ushagram, Asansol, 713303





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Constituent College of the Kazi Nazrul University

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Asansol-713303, West Bengal (India)

☎ (0341) 2274842, 2275414

☎ KNOU: 2274963

☎ NSOU: 2274250

☎ Fax: (0341) 2274529

Department of Microbiology

CERTIFICATE

This is to certify that **Mr. Suranjan Kesh**, 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 "**Assessment of Antioxidant and Antibacterial Activity of *Piper betel* Leaves**" for partial completion of B.Sc. (Hons.) in Microbiology under my supervision as Project supervisor at Dept. of Microbiology, B.B. College, Asansol.



Dr. K. 26/06/24

Project Supervisor

Department of Microbiology

B. B. College, Asansol-03

PROJECT REPORT ON

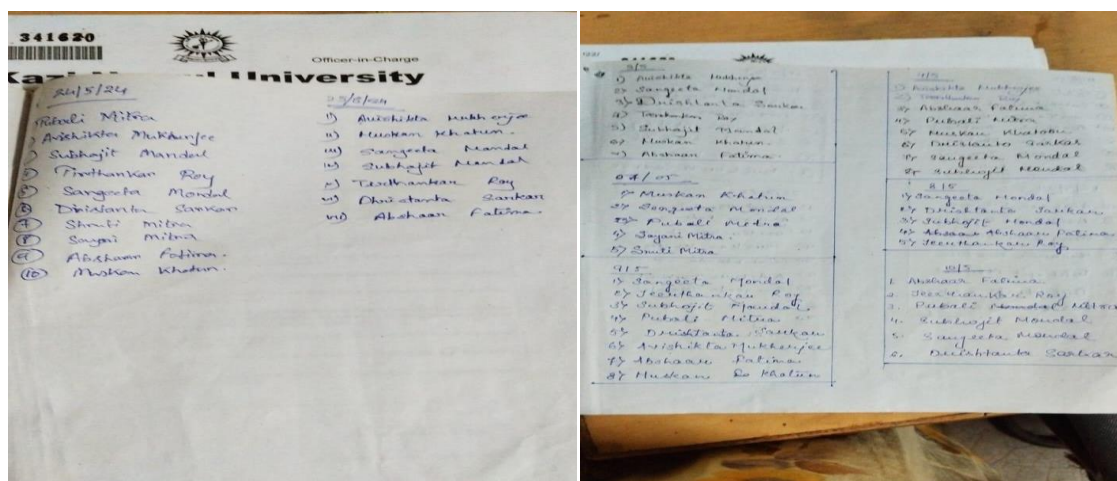
“ISOLATION & CHARACTERISATION OF PHOSPHATE SOLUBILIZING & NITROGEN FIXING BACTERIA AS BENEFICIAL PGPR FROM RHIZOSPHERIC SOIL OF EDIBLE CROPS”

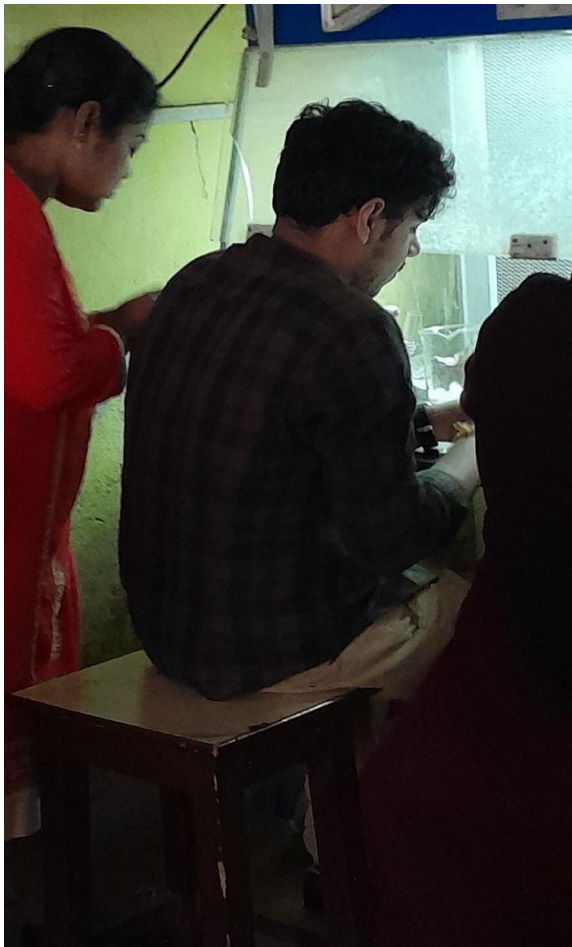
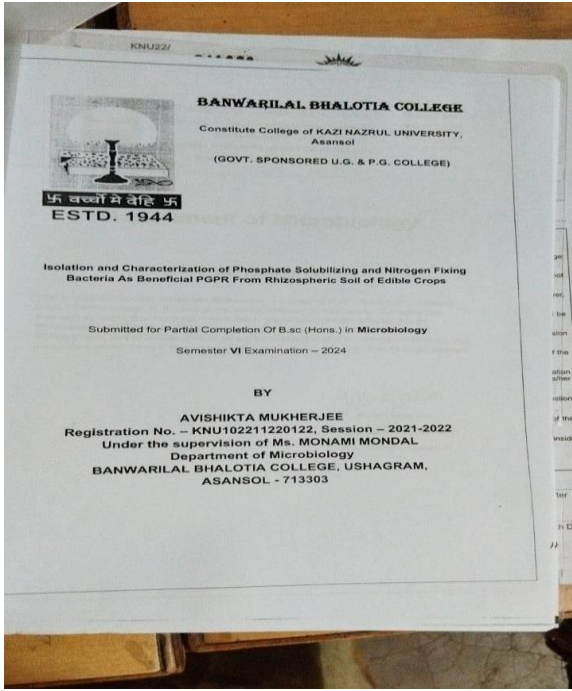
BY MONAMI MONDAL

This brief laboratory based research project was framed as part of the current LOCF curriculum plan of the 6th semester students for their partial completion of B.Sc Honours in Microbiology of Kazi Nazrul University. The objective of this project work includes the assessment of both the physicochemical properties of different soil samples as well as to understand the nature of different bacterial species present in the soil samples. As the project work was restricted for a specific time period thus we could only assay the various phosphate solubilizing & nitrogen fixing bacteria present in soil samples collected from 3 different agricultural fields of Asansol. The aim of the work was to examine the relationship between the microorganisms and plants, focusing on how the microorganisms contribute and play a beneficial role in plant growth and development by synthesizing various phytohormones. Through various tests, it was thus concluded that all the tested soil samples contained a good number of organisms and played adequate beneficial roles. The future perspective of the work leaves the door open for further analysis of selected organisms and implementing methods to enhance their activities thus making them essential biofertilizers. Also it influences societal awareness among farmers to decrease the usage of chemical fertilizers reducing soil pollution.

LIST OF STUDENTS UNDER THIS GROUP:

1. AVISHIKTA MUKHERJEE
2. SANGEETA MONDAL
3. MUSKAN KHATUN
4. PUBALI MITRA
5. ABSHAAR FATIMA
6. DRISHTANTA SARKAR
7. SUBHAJIT MANDAL
8. TEERTHANKAR ROY
9. SRUTI MITRA
10. SAYANI MITRA







Educational Tour Report

Department of Microbiology, Banwarilal Bhalotia College, Asansol, West Bengal organized an industrial visit to “Annapurna Biscuits Private Limited, Asansol” on 20th March, 2024 as a part of curriculum of students of semester IV. The purpose of this trip was to gain insight into the operations and processes involved in a biscuit manufacturing facility; our aim was to aware students about food safety also. The students were given a practical exposure to formulation, production section, packaging and quality control. Moreover, various large-scale biscuit manufacturing equipment and its applications were also keenly observed by the students. This tour helped students to broaden their educational experience, exposed them to a world outside their own, helped them gain deeper understanding through observation as well as made them more tolerant and understanding.



LIST OF THE 4TH SEMESTER STUDENTS

1	Anirudhya Dey
---	---------------

2	Anjali Kumari Tanti
3	Anjali Nayak
4	Arijit Chakraborty
5	Avishek Manna
6	Ayesha Khanam
7	Debanjaly Chatterjee
8	Debleena Sengupta
9	Ishita Paul
10	Jit Ghosh
11	Kalpana Chawla
12	Lajasree sarkar
13	Mahatab Hussain

14	Manisha Bhattacharjee
15	Megha Das
17	Neelanjana Pal
18	Nilmay Patra
19	Nirmal hari
20	Ria Muraw
21	Sayan Mukherjee
22	Shalini Kumari
23	Subhrajit Mishra
24	Supravo Roy Chowdhury
25	Tithi Mondal
26	Sanghamitra Ankuria
27	Ananta Gorai



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

Dr Amitava Basu, M Com, Ph D
Principal

Ref:

Dated : 11.03.2024

To
The Director
Annapurna Biscuits Pvt. Ltd.
Asansol

SUBJECT: Permission for students' educational visit

Sir,

With due respect this is to inform you that Department of Microbiology, Banwarilal Bhalotia College, Asansol, West Bengal is going to organize an educational tour on 20/03/2024 at Kalyanpur, Asansol as part of their UG semester IV syllabus under Kazi Nazrul University. Students need to visit your manufacturing and quality control unit for their practical experience in order to fulfill their educational tour that is the part of their curriculum.

The total number of students is 26 along with 4 faculties. It will be immensely helpful to us if we get the permission of visit on 20/03/2024.

It is a humble request to kindly consider the case as urgent and do the needful and oblige.

Thanking you in anticipation



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

Phone: 0341-2274842
Fax: 0341-2274529
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Web: www.bbcollege.ac.in
E-mail: bbcollege1944@gmail.com, naac.hec@gmail.com

KAZI NAZRUL UNIVERSITY
BANWARILAL BHALOTIA COLLEGE, ASANSOL

**DEPARTMENT OF
MICROBIOLOGY**

SUBMITTED BY:
NEELANJANA PAL
B.Sc Honours Microbiology
SEMESTER:4
REGISTRATION NO:102221220187
of session 2022-23
ROLL NO:1022204122026021
COURSE NAME: Industrial Microbiology
COURSE CODE: BSCHMCBC405



**EXCURSION TOUR
REPORT**
[ASANSOL]



Banwarilal Bhalotia College

Constituent College of the Kazi Nazrul University
Govt Sponsored (U. G P. G.)

COLLEGES WITH POTENTIAL FOR EXCELLENCE

Estd. - 1944

Asansol-713303, West Bengal (India)

Department of Microbiology

CERTIFICATE

This is to certify that NEELANJANA PAL, a student of B.Sc. (Hons.), 4th Semester, Dept. Of Microbiology, B. B. College (Asansol), affiliated to Kazi Nazrul University has successfully completed her educational tour organized by the department of Microbiology, B.B. College, Asansol and submitted a report for the same for partial completion of B.Sc. (Hons.) in Microbiology.



Sanghamita Dasgupta
Faculty

Department of
Microbiology

DEPARTMENT OF BUSINESS ADMINISTRATION

B.B. COLLEGE, ASANSOL

INTRODUCTION TO BBA PROJECT WORK

Course Name: Project work

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

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 (60 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

NAME OF INTERNAL GUIDES:

1. Gunamoy Hazra, (Specialization Area - Finance)
2. Buddha Prasad Ghatak, (Specialization Area -Marketing)
3. Dr. Souvik Dutta,(Specialization Area -Human Resource) and
4. Partha Ghosh (Specialization Area -Marketing).

LIST OF STUDENTS OF 2023-2024 SESSION –

AABIR ROY.	DIPU KUMAR.	SAHIL MANDAL
ABDULLAH ANWAR.	GAYTRI GUPTA.	SALEHEEN PARWEEN.
ADARSH KUMAR SHAW.	GURPREET KAUR.	SANJEEV CHOWDHARY.
AISHARYA GOSWAMI.	HEMANT PRASAD.	SAYAN MITRA.
AMIT KUMAR VERMA.	INDRANIL GHOSH.	SAYAN GHOSHAL.
ANANYA MONDAL.	ISHITA AGARWAL.	SHREYASI VERMA.
ANANYA SARKAR.	KAIF WASI	SHRUTI JAISWAL.
ANIRBAN MUKHERJEE.	KARAN KUMAR PASWAN.	SHRUTI MONDAL.
ANIRUDDHA KAR.	KARISHMA SINGH.	SHRYANSHU BANERJEE.
ANKIT MAZUMDER.	KAUSTAV SEN.	SIKHA MONDAL.
ANKIT PRASAD.	KOUSHIK GORAI.	SIMRAN KHAN
ANKITA CHATTERJEE.	KUNAL DAS.	SK. REHAN HAQUE.
ANMOL SINGH.	KUNAL SHAW.	SMRITI RAJ.
ANUPRIYA SARKAR.	MD RAYEESUDDIN.	SMRITILEKHA BHATTACHARYA.
ANURAG CHANDA.	MD SHARIQUE SIDDIQUI.	SNEHA SHAW.
ANUSHKA MAITRA.	MD TANWEER ALAM.	SOBHAN GORAI.
ANKAN DEY.	MEDHA MAJUMDAR.	SOHAIL QURESHI.
ARBAZ ANSARI.	NIDHI KUMARI.	SOUMYADEB SENGUPTA.
ARINDAM CHOWDHURY.	NILOTPAL SENGUPTA	SOUMYADIP DAS.
ARJU SEKH.	OM SINGH.	SREYA ROY.
ARNAB BANERJEE.	PAYEL CHAKRABORTY.	SRINJAN CHAKRABORTY.
ARNAB CHATTARAJ.	PRIYA KUMARI.	SUBHAM TANTUBAI.
ARYAN SHAW.	PRIYANSHU TAPADAR.	SUBRATA MAJI
AVISHEK BANERJEE.	RAHUL KUMAR SINGH.	SUKHWINDAR KOUR.
AYAN MISHRA.	RAHUL MONDAL.	SUSMITA MITRA NEOGY.
BALAJI GANGULY.	RAINAK BID.	SWADHIN CHATTERJEEE
BALARAM MAJHI.	RAKESH HOSSAIN.	TANNU KUMARI.
BIKASH KUMAR MAHATO.	RENU SASMAL.	TAPOMOY DAS
BITTU SHARMA.	RINTU GUPTA.	CHOWDHURY.
BOLBOM KUMAR RAWANI.	ROHIT KAR.	VISHAL KUMAR SINGH.
DEBJANI MUKHERJEE.	ROHIT BOURI.	
DEBSISU BAIRAGI.	RUPAM KUMARI.	

CHAYANIKA DAIRY MART

(A DISTRIBUTOR OF AMUL DAIRY, CHOCOLATES AND ICE CREAM PRODUCTS)

STATION ROAD, KALNA, PURBA BARDHAMAN, WEST BENGAL

REF NO. – CDM/2024/

DATE – May 16th, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to be certified that Miss TANNU KUMARI, student of B.B. College Asansol KNU Registration No. - 102211280091 successfully completed her internship in the field of Human Resource Management from 02.04.2024 to 02.05.2024.

During the entire period of internship her performance is satisfactory. We wish her a bright future.

The Taste of India

For

CHAYANIKA DAIRY MART
KALNA, BARDHAMAN

CHAYANIKA DAIRY MART

(A DISTRIBUTOR OF AMUL DAIRY, CHOCOLATES AND ICE CREAM PRODUCTS)

STATION ROAD, KALNA, PURBA BARDHAMAN, WEST BENGAL

REF NO. – CDM/2024/

DATE – May 16th, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to be certified that Miss GURPREET KAUR, student of B.B. College Asansol KNU Registration No. - 102211280103 successfully completed her internship in the field of Human Resource Management from 02.04.2024 to 02.05.2024.

During the entire period of internship her performance is satisfactory. We wish her a bright future.

The Taste of India

For

CHAYANIKA DAIRY MART
KALNA, BARDHAMAN

CHAYANIKA DAIRY MART

(A DISTRIBUTOR OF AMUL DAIRY, CHOCOLATES AND ICE CREAM PRODUCTS)

STATION ROAD, KALNA, PURBA BARDHAMAN, WEST BENGAL

REF NO. – CDM/2024/

DATE – May 16th, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to be certified that Mr SUBRATA MAJI, student of B.B. College Asansol KNU Registration No. – 102211280104 successfully completed his internship in the field of Marketing Management from 02.04.2024 to 02.05.2024.

During the entire period of internship his performance is satisfactory. We wish him a bright future.

The Amul logo is displayed in white, stylized script font on a red rectangular background.The slogan "The Taste of India" is written in white, bold, sans-serif font on a green rectangular background.

For

CHAYANIKA DAIRY MART
KALNA, BARDHAMAN

CHAYANIKA DAIRY MART

(A DISTRIBUTOR OF AMUL DAIRY, CHOCOLATES AND ICE CREAM PRODUCTS)

STATION ROAD, KALNA, PURBA BARDHAMAN, WEST BENGAL

REF NO. – CDM/2024/

DATE – May 16th, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to be certified that Mr BITTU SHARMA, student of B.B. College Asansol KNU Registration No. – 102211280060 successfully completed his internship in the field of Marketing Management from 02.04.2024 to 02.05.2024.

During the entire period of internship his performance is satisfactory. We wish him a bright future.

The Amul logo is displayed in white, stylized script font on a red rectangular background.The slogan "The Taste of India" is displayed in white, bold, sans-serif font on a green rectangular background.

For

CHAYANIKA DAIRY MART
KALNA, BARDHAMAN



Date of Issue: 22nd May, 2024

PROJECT COMPLETION CERTIFICATE

This is to certify that **KAIF WASI** bearing Trainee Id **897217** student of “**Banwarilal Bhalotia College**” KNU Registration No. - **102211280131** has completed the project in the field of marketing at **Siliguri** under the guidance of Mr. P. B Jana from **16th April 2024** to **15th May 2024** for academic requirements of his graduation. We have observed that his work was satisfactory and we appreciate his sincere learning.

We wish him all the best for all his future endeavors. This letter is issued based on the request of the candidate.

Yours sincerely, For **Bajaj Auto**

A handwritten signature in black ink, appearing to read 'Gaurav Karmakar', written over a horizontal line.

Gaurav Karmakar
Branch Manager

Ref No: 897217

Confidential

Registered. Office: Bajaj Auto Siliguri City Center AMR Plaza (734001), India. Tel: 91-80-784578, Fax: 91-80-2844 0054 Webs: www.Bajajauto.com, Email: info@bajajautoexp.com, CIN No. L32102KA1945PLC020800



Date of Issue: 22nd May, 2024

PROJECT COMPLETION CERTIFICATE

This is to certify that **NILOTPAL SENGUPTA bearing ID897218** student of “**Banwarilal Bhalotia College**” KNU Registration No. - **102211280111** has completed the project in the field of marketing at **Siliguri** under the guidance of Mr. P. B Jana from **16th April 2024** to **15th May 2024** for academic requirements of his graduation. We have observed that his work was satisfactory and we appreciate his sincere learning.

We wish him all the best for all his future endeavors. This letter is issued based on the request of the candidate.

Yours sincerely, For **Bajaj Auto**

A handwritten signature in black ink, appearing to read 'Gaurav Karmakar', written over a horizontal line.

Gaurav Karmakar
Branch Manager

Ref No: 897218

Confidential

Registered. Office: Bajaj Auto Siliguri City Center AMR Plaza (734001), India. Tel: 91-80-784578, Fax: 91-80-2844 0054 Webs: www.Bajajauto.com, Email: info@bajajautoexp.com, CIN No. L32102KA1945PLC020800



Date of Issue: 22nd May, 2024

PROJECT COMPLETION CERTIFICATE

This is to certify that **MD RAYEESUDDIN bearing ID 897215** Student of “**Banwarilal Bhalotia College**” KNU Registration No. - **102211280107** has completed the project in the field of marketing at **Siliguri** under the guidance of Mr. P. B Jana from **16th April 2024 to 15th May 2024** for academic requirements of his graduation. We have observed that his work was satisfactory and we appreciate his sincere learning.

We wish him all the best for all his future endeavors. This letter is issued based on the request of the candidate.

Yours sincerely, For **Bajaj Auto**

A handwritten signature in black ink, appearing to read 'Gaurav Karmakar', written over a horizontal line.

Gaurav Karmakar

Branch Manager

Ref No: 897215

Confidential

Registered. Office: Bajaj Auto Siliguri City Center AMR Plaza (734001), India. Tel: 91-80-784578, Fax: 91-80-2844 0054 Webs: www.Bajajauto.com, Email: info@bajajautoexp.com, CIN No. L32102KA1945PLC020800



Date of Issue: 22nd May, 2024

PROJECT COMPLETION CERTIFICATE

This is to certify that **SMRITI RAJ bearing Training ID 897219** student of “**Banwarilal Bhalotia College**” KNU Registration No. - **102211280142** has completed the project in the field of HRM at **Siliguri** under the guidance of Mr. S. Neogi from **16th April 2024** to **15th May 2024** for academic requirements of her graduation. We have observed that her work was satisfactory and we appreciate his sincere learning.

We wish her all the best for all her future endeavors. This letter is issued based on the request of the candidate.

Yours sincerely, For **Bajaj Auto**

A handwritten signature in black ink, appearing to read 'Gaurav Karmakar', written over a horizontal line.

Gaurav Karmakar
Branch Manager

Ref No: 897219

Confidential

Registered. Office: Bajaj Auto Siliguri City Center AMR Plaza (734001), India. Tel: 91-80-784578, Fax: 91-80-2844 0054 Webs: www.Bajajauto.com, Email: info@bajajautoexp.com, CIN No. L32102KA1945PLC020800

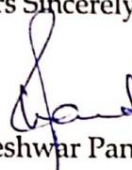
**PROF UMESHWAR PANDEY
DIRECTOR**

SUB: INTERNSHIP COMPLETION LETTER

WE ARE GLAD TO INFORM YOU THAT MR. SANJEEV CHOWDHARY KNU
REGISTRATION NO. – 102211280057 HAS SUCCESSFULLY COMPLETED HIS
INTERNSHIP IN THE FIELD OF MARKETING RESEARCH.

WE FOUND HIM HARD WORKING. WE WISH HIM A SUCCESSFUL CAREER.

Yours Sincerely,


Umeshwar Pandey



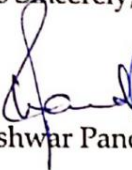
**PROF UMESHWAR PANDEY
DIRECTOR**

SUB: INTERNSHIP COMPLETION LETTER

WE ARE GLAD TO INFORM YOU THAT MR. KARAN KUMAR PASWAN KNU
REGISTRATION NO. – 102211280055 HAS SUCCESSFULLY COMPLETED HIS
INTERNSHIP IN THE FIELD OF MARKETING RESEARCH.

WE FOUND HIM HARD WORKING. WE WISH HIM A SUCCESSFUL CAREER.

Yours Sincerely,


Umeshwar Pandey



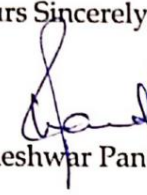
**PROF UMESHWAR PANDEY
DIRECTOR**

SUB: INTERNSHIP COMPLETION LETTER

WE ARE GLAD TO INFORM YOU THAT MR. SUBHAM TANTUBAI KNU
REGISTRATION NO. – 102211280032 HAS SUCCESSFULLY COMPLETED HIS
INTERNSHIP IN THE FIELD OF MARKETING RESEARCH.

WE FOUND HIM HARD WORKING. WE WISH HIM A SUCCESSFUL CAREER.

Yours Sincerely,


Umeshwar Pandey



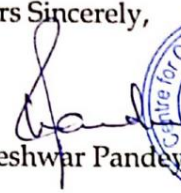
**PROF UMESHWAR PANDEY
DIRECTOR**

SUB: INTERNSHIP COMPLETION LETTER

WE ARE GLAD TO INFORM YOU THAT MR. SUSMITA MITRA NEOGY KNU
REGISTRATION NO. – 102211280067 HAS SUCCESSFULLY COMPLETED HIS
INTERNSHIP IN THE FIELD OF MARKETING RESEARCH.

WE FOUND HIM HARD WORKING. WE WISH HIM A SUCCESSFUL CAREER.

Yours Sincerely,


Umeshwar Pandey



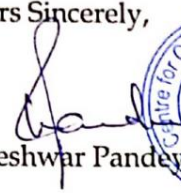
**PROF UMESHWAR PANDEY
DIRECTOR**

SUB: INTERNSHIP COMPLETION LETTER

WE ARE GLAD TO INFORM YOU THAT MR. SAYAN MITRA KNU
REGISTRATION NO. – 102211280085 HAS SUCCESSFULLY COMPLETED HIS
INTERNSHIP IN THE FIELD OF MARKETING RESEARCH.

WE FOUND HIM HARD WORKING. WE WISH HIM A SUCCESSFUL CAREER.

Yours Sincerely,


Umeshwar Pandey



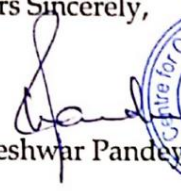
**PROF UMESHWAR PANDEY
DIRECTOR**

SUB: INTERNSHIP COMPLETION LETTER

WE ARE GLAD TO INFORM YOU THAT MR. ANKAN DEY KNU REGISTRATION NO. – 102211280082 HAS SUCCESSFULLY COMPLETED HIS INTERNSHIP IN THE FIELD OF MARKETING RESEARCH.

WE FOUND HIM HARD WORKING. WE WISH HIM A SUCCESSFUL CAREER.

Yours Sincerely,


Umeshwar Pandey



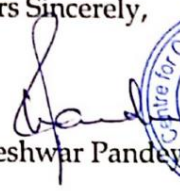
**PROF UMESHWAR PANDEY
DIRECTOR**

SUB: INTERNSHIP COMPLETION LETTER

WE ARE GLAD TO INFORM YOU THAT MR. BALAJI GANGULY KNU
REGISTRATION NO. – 102211280114 HAS SUCCESSFULLY COMPLETED HIS
INTERNSHIP IN THE FIELD OF MARKETING RESEARCH.

WE FOUND HIM HARD WORKING. WE WISH HIM A SUCCESSFUL CAREER.

Yours Sincerely,


Umeshwar Pandey



Certificate of Internship

This is to certify that

Mr. ADARSH KUMAR SHAW
KNU REGISTRATION NO. – 102211280133
Has successfully completed project internship
from 2nd April, 2024 to 2nd May, 2024

as Social Media Marketing Intern
at Evers Ecommerce Pvt. Ltd.
We wish you all the best for future !

Date-
10/05/2024



Bhojraj Jadhav
Founder, CEO

Evers Ecommerce Pvt. Ltd.
Tukai Darshan, Front of Datta Temple, Lane No. 12, Pune (MH) 412308



Certificate of Internship

This is to certify that

Mr. ARJU SEKH
KNU REGISTRATION NO. – 102211280023
Has successfully completed project internship
from 2nd April, 2024 to 2nd May, 2024

as Social Media Marketing Intern
at Evers Ecommerce Pvt. Ltd.
We wish you all the best for future !

Date-
10/05/2024



Bhojraj Jadhav
Founder, CEO

Evers Ecommerce Pvt. Ltd.
Tukai Darshan, Front of Datta Temple, Lane No. 12, Pune (MH) 412308



Certificate of Internship

This is to certify that

Mr. BIKASH KUMAR MAHATO
KNU REGISTRATION NO. – 102211280129
Has successfully completed project internship
from 2nd April, 2024 to 2nd May, 2024

as Social Media Marketing Intern
at Evers Ecommerce Pvt. Ltd.
We wish you all the best for future !

Date-
10/05/2024



Bhojraj Jadhav
Founder, CEO

Evers Ecommerce Pvt. Ltd.
Tukai Darshan, Front of Datta Temple, Lane No. 12, Pune (MH) 412308



Certificate of Internship

This is to certify that

Mr. OM SINGH
KNU REGISTRATION NO. – 102211280108
Has successfully completed project internship
from 2nd April, 2024 to 2nd May, 2024

as Social Media Marketing Intern
at Evers Ecommerce Pvt. Ltd.
We wish you all the best for future !

Date-
10/05/2024



Bhojraj Jadhav
Founder, CEO

Evers Ecommerce Pvt. Ltd.
Tukai Darshan, Front of Datta Temple, Lane No. 12, Pune (MH) 412308



Certificate of Internship

This is to certify that

Miss SRUTI JAISWAL
KNU REGISTRATION NO. – 102211280113
Has successfully completed project internship
from 2nd April, 2024 to 2nd May, 2024

as Social Media Marketing Intern
at Evers Ecommerce Pvt. Ltd.
We wish you all the best for future !

Date-
10/05/2024



Bhojraj Jadhav
Founder, CEO

Evers Ecommerce Pvt. Ltd.
Tukai Darshan, Front of Datta Temple, Lane No. 12, Pune (MH) 412308



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

SAYAN GHOSAL

UNIVERSITY REGISTRATION NO. - 102211280109

Student of

Bachelor of Business Administration (BBA), Banwarilal Bhalotia College

In recognition of his/her dedication and hard work as a **Digital Marketing Intern**.
It was a 30-days work-from-home internship. During the period of this internship
he/she has shown sincerity and dedication.

We wish him/her best of luck for future endeavors.



SADHVI MISHRA
(HEAD COORDINATOR)
HANDOUT FOUNDATION

DATE : 25.05.2024



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

ROHIT KAR

UNIVERSITY REGISTRATION NO. - 102211280148


Student of

Bachelor of Business Administration (BBA), Banwarilal Bhalotia College

In recognition of his/her dedication and hard work as a **Digital Marketing Intern.**

It was a 30-days work-from-home internship. During the period of this internship he/she has shown sincerity and dedication.

We wish him/her best of luck for future endeavors.



SADHVI MISHRA
(HEAD COORDINATOR)
HANDOUT FOUNDATION

DATE : 25.05.2024



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

ARNAB BANERJEE

UNIVERSITY REGISTRATION NO. - 102211280146

Student of


Bachelor of Business Administration (BBA), Banwarilal Bhalotia College

In recognition of his/her dedication and hard work as a **Digital Marketing Intern.**

It was a 30-days work-from-home internship. During the period of this internship

he/she has shown sincerity and dedication.

We wish him/her best of luck for future endeavors.



SADHVI MISHRA
(HEAD COORDINATOR)
HANDOUT FOUNDATION

DATE : 25.05.2024



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

SOHAIL QURESHI

UNIVERSITY REGISTRATION NO. – 102211280143


Student of

Bachelor of Business Administration (BBA), Banwarilal Bhalotia College

In recognition of his/her dedication and hard work as a **Digital Marketing Intern.**

It was a 30-days work-from-home internship. During the period of this internship he/she has shown sincerity and dedication.

We wish him/her best of luck for future endeavors.



SADHVI MISHRA
(HEAD COORDINATOR)
HANDOUT FOUNDATION

DATE : 25.05.2024



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

KAUSTAV SEN

UNIVERSITY REGISTRATION NO. – 102211280092


Student of

Bachelor of Business Administration (BBA), Banwarilal Bhalotia College

In recognition of his/her dedication and hard work as a **Digital Marketing Intern.**

It was a 30-days work-from-home internship. During the period of this internship he/she has shown sincerity and dedication.

We wish him/her best of luck for future endeavors.



SADHVI MISHRA
(HEAD COORDINATOR)
HANDOUT FOUNDATION

DATE : 25.05.2024



CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

SHOBHAN GORAI

UNIVERSITY REGISTRATION NO. - 102211280122


Student of

Bachelor of Business Administration (BBA), Banwarilal Bhalotia College

In recognition of his/her dedication and hard work as a **Digital Marketing Intern.**

It was a 30-days work-from-home internship. During the period of this internship he/she has shown sincerity and dedication.

We wish him/her best of luck for future endeavors.



SADHVI MISHRA
(HEAD COORDINATOR)
HANDOUT FOUNDATION

DATE : 25.05.2024



Date of Issue: MAY 18th, 2024

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that following student of 6th Semester, B.B.A. Department of B. B. College, Asansol has undergone a four week internship programme under the guidance of Mr. C.R Ghosh for academic requirements.

Name of the student – ANUSHKA MAITRA

UNIVERSITY Registration No. - 102211280121

During the internship her performance was satisfactory.

We wish all the best for her future endeavors.

Yours truly,

For **YAMAHA MOTORS**

Rahul Niketan
Manager



Date of Issue: MAY 18th, 2024

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that following student of 6th Semester, B.B.A. Department of B. B. College, Asansol has undergone a four week internship programme under the guidance of Mr. C.R Ghosh for academic requirements.

Name of the student - ANKIT MAZUMDER

UNIVERSITY Registration No. - 102211280059

During the internship his performance was satisfactory.

We wish all the best for his future endeavors.

Yours truly,

For **YAMAHA MOTORS**

Rahul Niketan
Manager



Date of Issue: MAY 18th, 2024

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that following student of 6th Semester, B.B.A. Department of B. B. College, Asansol has undergone a four week internship programme under the guidance of Mr. C.R Ghosh for academic requirements.

Name of the student - MD RAYEESUDDIN

UNIVERSITY Registration No. – 102211280107

During the internship his performance was satisfactory.

We wish all the best for his future endeavors.

Yours truly,

For **YAMAHA MOTORS**

Rahul Niketan
Manager



Date of Issue: MAY 18th, 2024

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that following student of 6th Semester, B.B.A. Department of B. B. College, Asansol has undergone a four week internship programme under the guidance of Mr. C.R Ghosh for academic requirements.

Name of the student - AMIT KUMAR VERMA

UNIVERSITY Registration No. - 102211280058

During the internship his performance was satisfactory.

We wish all the best for his future endeavors.

Yours truly,

For **YAMAHA MOTORS**

Rahul Niketan
Manager

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).



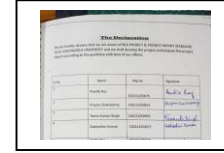

End Semester Evaluation: Presentation (20marks) and Vivavoce (20marks).





Banwarilal Bhalotia College, Asansol

Project & Practical Examination 2024

Date: 16.11.2024

List of Candidates of BCA 6th. Semester Final Project and Practical Examination 2024

Group Name	Candidates Name	Registration No.	Project Guide	Topic Name	
A	Santosh Kumar	102211250017	Prosenjit Chattopadhyay	Crime Record Management System	
	Sankar Dhibar	102211250067			
	Tuhin Subhra Biswas	102211250041			
	Rohit Tantubay	102211250032			
B	Tannu Kumari	102211250060	Manas Kumar Ray	Fact Forum – A Web-Based Knowledge Community Platform	
	Ankita Banerjee	102211250049			
	Arnab Sen	102211250068			
	Deboparna Mahatto	102211250064			
	Sahil Bhakat	102211250042			
C	Prantik Roy	102211250075	Parijat Hazra	Wildlife Sanctuary	
	Sridip Das	102211250046			
	Priyam Chakraborty	102211250012			
	Tannu Kumari Singh	102211250053			
	Subhashini Kumari	102211250071			
D	Raj Ranjan	102211250065	Prosenjit Chattopadhyay	Blood Bank Management System	
	Pratap Singh	102211250016			
	Gourav Gupta	102211250051			
	Amandip Singh	102211250024			
	Md. Samnaan Raza Khan	102211250001			

E	Arun Mondal	102211250019	Manas Kumar Ray	Car Price Prediction Using Linear Regression	
	Deep Mahanta	102211250015			
	Manish Marandi	KNU20102005995			
	Vicky Tiwari	102211250074			
	Inderpal Singh	102211250070			
F	Anirban Das	102211250003	Parijat Hazra	Online Clothing Store (V Cart)	
	Saptarishi Gandhi	102211250006			
	Purba Mondal	102211250009			
	Mainak Chatterjee	102211250034			
	Sougata Pal	102211250005			
G	Md. Kaif Hossain	102211250062	Prosenjit Chattopadhyay	Online Medical Facility	
	Rishi Barnwal	102211250044			
	Sourav Mudi	102211250023			
	Suman Burnwal	102211250061			
	Ujala Bharti	102211250047			
H	Sirjoon Mandi	102211250025	Manas Kumar Ray	Techo Pedia Online Video Course Platform	
	Joydeep Ruidas	102211250002			
	Anwasha Dawn	102211250018			
	Akash Ruidas	102211250029			
	Koushik Paul	102211250035			



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Department of Computer Science

Project Related Details:

SEMESTER	IV
COURSE NAME	Web Programming
COURSE CODE	BSCHCOSSE402
COURSE TYPE	SE(PRACTICAL)
COURSE CONTENTS	HTML, CSS, JS, PHP AND MYSQL
PROJECT'S MENTOR NAME	MR. SAMRAT KUNDU
EXTERNAL EXAMINATION DATE	17.07.2024
SESSION	2022-2025

Course Learning Outcomes of Project (SEC-2) IV Semester:

1. Understanding of Web Development Basics

Define the core concepts of web development, including the structure, behavior, and styling of web pages.
Explain how the internet and web technologies work, including HTTP, DNS, and hosting.

2. Frontend Development Skills

Create and style web pages using HTML5 and CSS3.

Build interactive web interfaces using JavaScript and modern frameworks (e.g., React, Vue.js, or Angular).

Optimize web pages for responsiveness and cross-browser compatibility.

3. Backend Development Skills

Develop server-side applications using languages like Node.js, Python (Django/Flask), or PHP.

Implement RESTful APIs for data communication between client and server.

Manage databases (SQL and NoSQL) and perform CRUD operations.

4. Version Control and Collaboration

Use Git and GitHub for version control and collaboration.

Manage project workflows using branching strategies and pull requests.



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5. Web Application Security

Identify common web application security threats (e.g., SQL injection, XSS, CSRF).

Implement basic security measures like authentication, authorization, and data encryption.

6. Deployment and Hosting Deploy web applications to cloud platforms (e.g., AWS, Heroku, Netlify, Vercel).

Configure and manage domain names, SSL certificates, and continuous integration/continuous deployment (CI/CD) pipelines.

Project Status Report of B.SC (Hons.) in Computer Science IV Semester:

SL NO.	PROJECT TITLE	GROUP MEMBERS NAMES WITH REG. NO.	PROJECT DESCRIPTION
1.	SNKR-IN Ecommerce Shoe Website	<ul style="list-style-type: none">● Kunal Pratap Singh (102221220333)● Gourav Anand (102221220322)● Rohit Das (102221220383)● Ankit Kumar Tiwari (102221220098)	SNKR-IN is an Ecommerce website for shoes where shoe retailers can sell their products online. It offers easy navigation, secure checkout, Tracking product and invoice features. It also offers an Admin Panel for the shoe retailer to keep track of the users, orders, payment and product updation. We have used HTML, CSS and JS for Frontend and PHP for Backend in this project.
2.	TravaGo	<ul style="list-style-type: none">● Md. Mohsin Alam (102221220087)● Adesh Kumar Mondal	TravaGo is a Travel Website to assist people travel better, particularly in India, to make such experiences more accessible, we offer a



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		<p>(102221220174)</p> <ul style="list-style-type: none">• Jiban Shaw (102221220337)• Aman Verma (102221220245)	<p>comprehensive choice of trip packages and destination insight. It offers many tour packages all around India with secure checkout like features.</p> <p>HTML, CSS and JS for Frontend and PHP for Backend are used in this project.</p>
3.	SSSS Jewellery Shop	<ul style="list-style-type: none">• Sourav Dey (102221220026)• Sourobroto Pal (102221220179)• Souvik Sannigrahi (102221220176)• Sayantan Kar (102221220189)	<p>SSSS Jewellery Shop is an online jewellery shop website that offers a variety of exquisite jewellery collections, personalized service and conflict-free sourcing. It offers features like secure checkout, friendly UI and an overall premium experience. HTML, CSS and JS for Frontend and PHP for Backend are used in this project.</p>
4.	BookEscapeFree	<ul style="list-style-type: none">• Nayana Mahato (102221220169)• Riya Shaw (102221220103)• Arfah Mallick (102221220054)• Shilpi Shaw (102221220242)	<p>BookEscapeFree is a comprehensive online platform dedicated to providing users with access to a wide range of novels across various genres, completely free of charge. It offers a user-friendly interface, easy navigation, high-quality book recommendations, and downloadable PDFs for offline reading. HTML, CSS and JS for Frontend and PHP for Backend are used in this project.</p>
5.	Savaari Car Rental Services	<ul style="list-style-type: none">• Md. Junaid Raza (102221220238)	<p>Savaari Car rental services provide vehicles for individuals or groups for</p>



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		<ul style="list-style-type: none"> ● Pankaj Kumar Rawat (102221220037) ● Sudipto Maji (102221220108) ● Priyanshu Gupta (102221220309) 	<p>short-term use, typically ranging from a few hours to several weeks. Its services include Travel, special events, business use, etc. It offers a convenient and flexible transportation solution to diverse customer needs. HTML, CSS and JS for Frontend and PHP for Backend are used in this project.</p>
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PROJECT RELATED DOCUMENTS:

Course Name: Web Programming
Course Code: BSCHCOSSE402

Course Type: SE (Practical)	Course Details: SEC-2		L-T-P: 0 - 0 - 8		
Credit: 4	Full Marks: 50	CA Marks		ESE Marks	
		Practical	Theoretical	Practical	Theoretical
		30	-----	20	-----

Course Learning Outcomes:

(After the completion of course, the students will have ability to):

1. To understand basics of the Internet and World Wide Web
2. To acquire knowledge and skills for creation of web site considering both client and server-side programming
3. To learn basic skill to develop responsive web applications
4. To understand different web extensions and web services standards
5. To understand basic concepts of Search Engine Basics.
6. To learn Web Service Essentials.
7. To learn Rich Internet Application Technologies.
8. To understand and get acquainted with Web Analytics 2.0

Course Content:

Practical

Students are directed to do a minor project based on the contents of the course below (UNIT I to UNIT VI) for internal and ESE evaluation.

UNIT I. (Introduction to World Wide Web) -Internet Standards, Introduction to WWW and WWW Architecture, Internet Protocols, Overview of HTTP, HTTP request – response, Generations of dynamic web pages.

UNIT II. (User Interface Design) Introduction to HTML and HTML5, TML Tags, Formatting and Fonts, Commenting Code, Anchors, Backgrounds, Images, Hyperlinks, Lists,

Tables, Frames, HTML Forms. The need for CSS, Introduction to CSS, Basic syntax and structure, Inline Styles, Embedding Style Sheets, Linking External Style, Backgrounds, Manipulating Text, Margins and Padding, Positioning using CSS.

UNIT III. (Java Programming) Java Script, Introduction, Core features, Data types and Variables, Operators, Expressions, Functions, Objects, Array, Date and Math related Objects. JAVA Networking classes, TCP/IP Protocol Suite, File Transfer Protocol (FTP), Java Environment [Setup for Web Applications, JavaBean, Application Builder Tool, Bean Developer Kit (BDK), The Java Beans API, Introduction to EJB

UNIT IV. (Database) Database basics, SQL, MySQL, PostgreSQL, JDBC API, Driver Types, Two-tier and Three-tier Models, Connection Overview, Transactions, Driver Manager Overview, Statement Overview, Result Set Overview, Types of Result Sets, Concurrency Types, Prepared Statement Overview

UNIT V. (Java Applet and JSP) Java Web Programs and Applets, Web Application, Servlet, Servlet Life Cycle, Servlet Programming, Introduction to JSP, Life Cycle of a JSP Page, Translation and Compilation, Creating Static Content, Response and Page Encoding, Creating Dynamic Content, Using Objects within JSP Pages, JSP Programming

UNIT VI. (Dot Net Framework) Introduction to Dot Net, Dot Net framework and its architecture, CLR, Assembly, Components of Assembly, DLL hell and Assembly Versioning, Overview to C#, Introduction to ASP.net, Asp.net Programming.



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SEMESTER - IV
SESSION : 2022-25

WEB PROGRAMMING
PROJECT NAME - SNKR IN
(E-COMMERCE SNEAKERS WEBSITE)

SNKR IN
slay it

NAME - KUNAL PRATAP SINGH
DISCIPLINE - COMPUTER SCIENCE
HONS.
REGISTRATION NO. - 102221220333
COURSE CODE - BSCHCOSSE402

KAZI NAZRUL UNIVERSITY
BANWARILAL BHALOTIA COLLEGE
SESSION: 2023-2024

TRAVAGO
Explore
THE INDIA

Department: Computer Science
WEB PROGRAMMING
PROJECT NAME : TRAVAGO
(Online Travel and Tourism System)

NAME: MD MOHSIN ALAM
REGISTRATION NUMBER : 102221220087
SESSION ROLL NUMBER: 1022204122011009
DISCIPLINE: COMPUTER SCIENCE (B.Sc Hons)
SEMESTER: 4TH SEMESTER
COURSE NAME: WEB PROGRAMMING
COURSE CODE: BSCHCOSSE402

KAZI NAZRUL UNIVERSITY
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SESSION: 2023-2024



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Department of Computer Science

Kazi Nazrul University

Banwarilal Bhalotia College
computer science hons.
semester IV

Academic year – 2022-23
Student Name – Pankaj Kumar Rawat
Registration No. – 102221220037

SUBJECT – WEB PROGRAMMING
GROUP NAME – SAWARI
PROJECT NAME – ONLINE CAR RENTAL
(ONLINE CAR RENTAL SERVICE)

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TRAVEL TO INDIA

EXPLORING CULTURE, GUISINE, AND LANDSCAPES



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Department of Computer Science



BANWARILAL BHALOTIA COLLEGE



DEPARTMENT: COMPUTER SCIENCE

NAME OF ASSIGNMENT: JEWELLERY SHOP MANAGEMENT SYSTEM

Full Name: SOURAV DEY.

Department: COMPUTER SCIENCE.

Registration no. : 102221220026.

Subject: WEB PROGRAMMING.

Subject code: BSCHCOSSE402.