



KATWA COLLEGE

(Affiliated to the University of Burdwan)

Principal's Office,

P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN: 713130, India.

Mobile: +918101078393

॥ विद्यया विन्दतेऽमृतम् ॥

KISAN MITRA CELL, KATWA COLLEGE

The agricultural sector in India is a vital component of the country's economy and livelihoods, but it faces a mix of challenges and opportunities. Agriculture contributes around 17-18% to India's GDP and employs nearly 50% of the workforce. India is a major producer of various crops, including rice, wheat, pulses, fruits, and vegetables, playing a crucial role in ensuring food security for its large population.

The Kisan Mitra Cell, also known as Farmers' Friend Cell is an initiative typically established by government agencies or non-governmental organizations to support farmers by providing them with essential information, assistance, and resources. The main goal of these cells is to improve the livelihoods and productivity of farmers by addressing their various needs and challenges.

Our Katwa College is located beside the lower basin of Bhagirathi, surrounded by lots of villages. Most of the pupils are coming from surrounding as well as remotely rural areas with a farming background. So a common interest about agriculture has been noticed among the students. In this connotation some form of community engagement centered on the farmers' interests or support program addressing the concerns of the farmers would have been a great contribution on behalf of our respected Principal Dr. Nirmalendu Sarkar and the HOD madam Smt. Madhumita Sen of Geography department of Katwa College.

Organization of Kisan Mitra Cell at Katwa College

Among the numerous controlling factors, agricultural productivity is highly affected by the physical and chemical composition of the farmland soil. That's why frequent soil testing is necessary to good crop and soil health. This could be conducted in the Geography department's laboratory at this college, where we possess soil testing kits. The college has resolved to support farmers in the surrounding regions by providing free soil testing facilities for their agricultural lands. To implement this initiative continuously, the Kisan Mitra Cell at Katwa College was created on 08.01.2019. Side by side a special committee has been formed to fruitfully achieve the aforementioned goals by the guidance of IQAC Coordinator, Katwa College Sir Utpal Das.

After the formation of Kisan Mitra Cell Committee, a meeting has been arranged among the active participation of committee members with the presence of our honorable principal Sir within college premises on 10.05.2019.



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Date: 11.01.2019

NOTICE Kisan Mitra Cell Meeting

This is informed to all the Committee members of Kisan Mitra Cell, Katwa College that a meeting has been scheduled on 15.01.2019 to be held at the principal's chamber at 11.30 AM to discuss the following agenda:

1. Select the village in the surroundings of Katwa College to collect soil samples and interact with farmers.
2. Make a blueprint about the entire activities.
3. Discussion and distribution of the workloads.
4. Miscellaneous.

NSKAR
Principal.
Katwa College
11/01/2019
Principal
KATWA COLLEGE



Shah
11/01/2019
Convener
Kisan Mitra Cell
Katwa College

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
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Meeting No:

Date: 15.01.2019

Venue: Principal's Chamber, Katwa College

Time: 11.30 A.M.

Proceedings of the meeting/Resolution

With active participation of all the committee members and respected principal sir Dr. Nirmalendu Sarkar, Katwa College chairs the meeting. Apart from the Committee members the IQAC coordinator Mr. Utpal Das also present in the meeting. The Principal addresses all the members present at the meeting. Item-wise decisions on the agenda are as under:

Item-1: Select the village in the surroundings of Katwa College to collect soil samples and interact with farmers.

Resolution: Our committee members suggested a few names of surrounding villages, such as Jaghigram, Bandhra, Panuhat, Nutangram, Khajuridighi etc. to collect soil samples and known the villagers about such great initiatives. At the end of the discussion Khajuridighi village, very close to Katwa Municipality, was selected and confirmed unanimously.

Item-2: Make a blueprint about the entire activities.

Resolution: It is the very first meeting of Kisan Mitra Cell. To successfully complete the programme, it is segmented into two halves, first, **Soil Sample Collection** with guidance of teachers and departmental students soil samples are collected randomly plot by plot from selected areas and properly leveled with latitude and longitude reading. Then processed the collected samples and determined the Chemical properties. Such as Soil pH, organic Carbon, Soil macronutrients Nitrate Nitrogen, Ammonical Nitrogen, Potassium (K) and Phosphorus (P) etc. in college soil laboratory by Kit method. Second, **Awareness cum outreach in the Village**, the overall result of different soil properties are Expressed among the selected village. Also, represent the amelioration process of soil acidity and alkalinity, advantages of use of organic fertilizer, selection of appropriate plants or crops in various pH levels, optimum use of irrigated water, crop rotation, use of modern technology and apps to measures crop health and diagnosis of diseases and weather conditions also, that may help to create a sustainable agriculture system.

Item-3: Discussion and distribution of the workloads.

Resolution: The principal places the agendum for discuss, after thorough discussion it resolves unanimously as under:

Sl No.	Division of total programme	Entrusted the charge with
01	Soil sample collection	Mr. Toton Ghosh and Departmental students.
02	Processed and tested samples in laboratory	Mr. Toton Ghosh, Mr. Suvendu Pal and Mr. Biswajit Hansda.
03	Making report card of soil in selected plots	Mr. Suvendu Pal, Mr. Biswajit Hansda.
04	Use of plantix apps and maintain crop health	Mr Suvendu Pal and Departmental Students.

Item-4: Miscellaneous

Resolution: Convener of this committee requested the principal to make a banner about this great inspiration. It was also approved and granted unanimously.



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Date: 22/01/2019

NOTICE

Soil sample collection and Community based awareness programme at Khajurdihi to promote Sustainable Agriculture.

In reference to the decisions taken unanimously at the Kisan Mitra Cell Committee meeting dated 15.01.2019, and in view to reach the local farmers and collection of samples to know soil and crops health, our Kisan Mitra Cell committee, Katwa College is going to be organized a Soil sample collection and Community based awareness programme at nearby Khajurdihi village (Sheet No.1) on 28.01.2019 at 11.00 AM and 05/02/2019 at 12.00 noon. Said programme will be conducted in the guidance of Mr. Toton Ghosh, Mr. Suvendu Pal & faculty members of our college.

All the students of Geography, Botany, and Chemistry department are directed to contact the respective teachers regarding the aforementioned programme on or before 27.01.2019.

1858/KW
Principal 22/01/2019
Katwa College
Principal
KATWA COLLEGE



S. Pal
22/01/2019
Convener
Kisan Mitra Cell
Katwa College

[Signature]
Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

1858/KW
Signature of the Principal

Principal
Katwa College



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Kisan Mitra Cell Report

As per a decision taken by the meeting resolution on 15.09.2019, Kisan Mitra Cell committee conducted Soil Sample Collection and Community based awareness programme on 28.01.2019 and 05.02.2019. The Mouza located under Katwa police station, JL Number 28. Students of Semester V Honours of geography department participated in a one-day field visit to the nearby selected village (Khajurdighi) along with the teachers and staff. Students collected the soil sample from the spot with the help of Cadastral map & GPS location, then they analyzed soil sample in the laboratory, determined the NPK status, pH level, Organic Carbon and made a report card for selected plots. The result was offered to the farmer for their welfare and enrichment. Farmers also gained knowledge about modern technology and different apps that may be able to determine the crop diseases, deficiency of nutrients in plants and related solutions. Our respected teachers emphasized more use of bio-fertilizer, crop rotation among the cultivators. Below very few remedies are mentioned which may develop sustainable farming.

Soil Sample Plots, their Present condition and Chemical Properties, Khajurdighi, Katwa, Purba Bardhaman.									
Plot No.	Latitude	Longitude	Present Condition	pH	Organic Carbon	Nitrate	Ammonical	Phosphorus	Potassium
2108	23°35'36.59"N	88° 6'39.38"E	Shale	6.5	0.5-0.75	45	65	50-65	100-250
2144	23°35'32.60"N	88° 6'45.77"E	Do	7.0	Above 0.75	45	180	Above 65	250-350
2158	23°35'29.41"N	88° 6'38.88"E	Shale	6.5	0.5-0.75	45	180	Above 65	Below 100
2163	23°35'32.29"N	88° 6'34.98"E	Shuna	6.5	Above 0.75	18	180	Above 65	100-250
2219	23°35'26.28"N	88° 6'31.92"E	Pukur Par	5.5	Below 0.5	9	13	20-50	Below 100
2238	23°35'20.64"N	88° 6'35.07"E	Shale	6.5	0.5-0.75	18	65	50-65	100-250
2260	23°35'24.13"N	88° 6'31.72"E	Doba	7.0	0.5-0.75	45	180	Above 65	100-250
2348	23°35'18.03"N	88° 6'30.80"E	Shale	7.0	0.5-0.75	45	65	Above 65	250-350
2367	23°35'17.58"N	88° 6'35.60"E	Shale	6.5	Above 0.75	18	65	20-50	Below 100
2432	23°35'24.07"N	88° 6'42.29"E	Shale	6.5	Above 0.75	45	180	Above 65	100-250
2444	23°35'28.67"N	88° 6'46.44"E	Shale	7.0	0.5-0.75	45	65	50-65	Below 100
2515	23°35'19.54"N	88° 6'50.28"E	Bagan	6.5	Above 0.75	45	180	Above 65	100-250
2527	23°35'25.92"N	88° 6'52.60"E	Shale	7.0	0.5-0.75	18	65	50-65	100-250
2657	23°35'35.30"N	88° 6'55.42"E	Do	6.5	Above 0.75	18	65	50-65	Below 100
2667	23°35'33.77"N	88° 6'58.90"E	Do	6.5	Above 0.75	45	180	Above 65	250-350
2836	23°35'25.25"N	88° 7'19.42"E	Shale	7.0	Above 0.75	45	65	50-65	Below 100
2997	23°35'26.28"N	88° 7'36.80"E	Do	6.5	0.5-0.75	45	180	Above 65	100-250
3058	23°35'21.87"N	88° 7'34.59"E	Shuna	6.5	Above 0.75	45	180	50-65	Below 100
3077	23°35'20.59"N	88° 7'38.14"E	Shale	7.0	0.5-0.75	18	65	20-50	Below 100
3325	23°35'17.96"N	88° 7'45.08"E	Shale	7.0	Above 0.75	18	65	50-65	100-250



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



KATWA COLLEGE

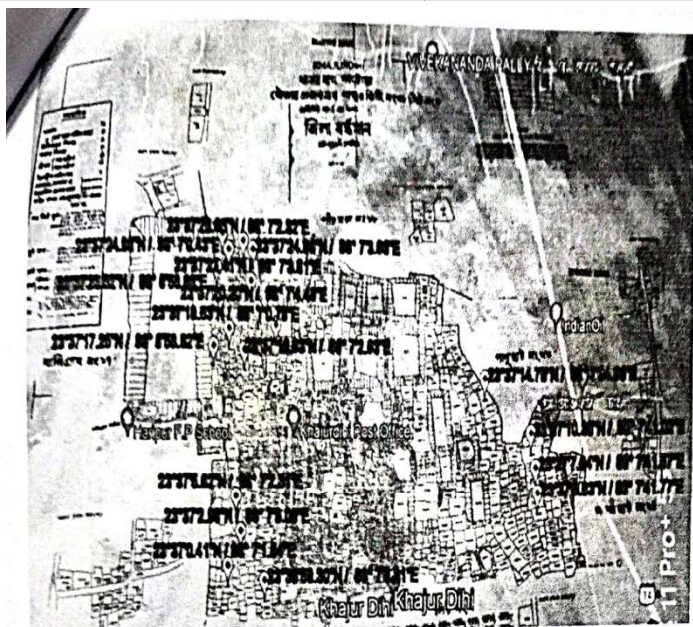
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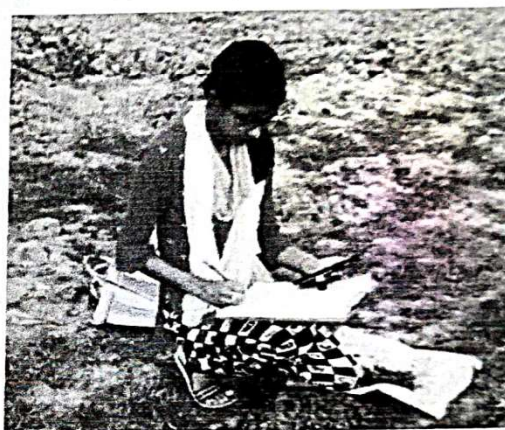
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Location of the Plots in Khajurdihi Mouza Map



Soil Sample Collection



Soil Test in Laboratory



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Katwa College

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Soil reaction (pH) preference of crop plants.

Crops	Optimum range of pH
Paddy	4.0-6.0
Wheat	6.0-7.5
Maize	6.0-7.5
Potato	5.0-5.5
Sugarcane	5.0-6.5
Mustard Oil Seed	6.0-7.5
Jute	6.0-7.5
Peas	5.5-6.0

Dose of Limestone for different Soil Texture

Soil pH	Limestone used lbs per acre	
	Loam soil Texture	Clay loam soil Texture
5.0	1687	2625
5.2	1462	2275
5.4	1237	1923
5.6	1012	1575
5.8	787	1225
6.0	562	885
6.2	337	525

Impact of Soil Acidity, Reclamation of Acidity and Alkalinity

Effects of Acidity on Plants	Reclamation of Acidity	Reclamation of Alkalinity
*Toxic effects on plant root tissue, less branching and short in length.	*Addition of liming Materials, *Use of basic fertilizer such as Sodium Nitrate, Basic Slag etc., *Planted highly acid loving plant such as Potato, Paddy, Sweet Potato etc.	*Adequate Drainage

Nutrients and their Role in Plant Health

Nutrients	Deficiency Symptoms in Plants	Control of Deficiency
Nitrogen (N)	*Stunted plant growth, *Shedding of leaves and fruits *Lower leaves turn yellow	*Use of Nitrogen fertilizer and spray of Urea
Phosphorus (P)	*Leaves become smaller, *Stems and leaves are purple colour, *Stunted growth and delay maturity	*Application of Phosphatic fertilizer such as Superphosphate.
Potassium (K)	*Margin of leaves turn brown and dry, *Stunted growth.	*Use Potassic fertilizer in soil e.g. Muriate of Potash.



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EVIDENCE OF SUCCESS

The entire event was an enormous triumph, exceeding our expectations. The villagers' behavior was courteous, and their enthusiasm was remarkable. They invited our students for similar programs in the future as it brought a fresh perspective to their routine lives, and the students' enthusiasm was evident. It was a distinctive experience for the students to perform outside classroom laboratories and apply their theoretical knowledge to practical life.



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Students Attendance Sheet)

Sl. No.	Name Of Students	Semester	Department	Signature
1	Tushar Saha		Geography	Tushar Saha
2	Shreya Pal		Geography	Shreya Pal
3	Sayan Banerjee		Geography	Sayan Banerjee
4	Dey Mitra		Political Sci.	Dey Mitra
5	Rupankar Kole		Geography	Rupankar Kole
6	Munna Das		Geography	Munna Das
7	Ashutosh Das		Geography	Ashutosh Das
8	Sayantika Pradhan		Geography	Sayantika Pradhan
9	Pooja Ray		Geography	Pooja Ray
10	Anisha Ghosh		Geography	Anisha Ghosh
11	Amrita Mondal		Geography	Amrita Mondal
12	Bristi Pradhan		Geography	Bristi Pradhan
13	Ankita Ghosh.		Geography	Ankita Ghosh.
14	Tiyasa Bhattacharjee		Geography	Tiyasa Bhattacharjee
15	Megha Saha		Geography	Megha Saha
16	Nitu Baruah		Geography	Nitu Baruah
17	Shreya Ghosh		Geography	Shreya Ghosh
18	Subhiti Ghosh		Geography	Subhiti Ghosh
19	Tanusree Kar		Botany	Tanusree Kar
20	Baidahi Ghosh.		Geography	Baidahi Ghosh.
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Signature of Principal

Katwa College
28/01/2019
Principal
KATWA COLLEGE




Signature of IQAC, Coordinator

Katwa College


Signature of Kisan Mitra Cell Convener

Katwa College

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College
(Attendance Sheet)

Sl No	Name	Contact Number	Signature
1	बाबुल साहा	—	बाबुल साहा
2	Doyal Saha	9609552389	Doyal Saha
3	Sandip Ghosh	6298667291	Sandip Ghosh
4	SAHADEB PAL	933909781	Sahadeb Pal
5	Bipul Sankar	8670629507	Bipul Sankar
6	অরুণ কুমল	9265387201	অরুণ কুমল
7	অজিত কুমল	9654335890	অজিত কুমল
8	সুমন সাহা	9233904550	সুমন সাহা
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[Signature]
Signature of Principal
Katwa College
05/02/2019
Principal
KATWA COLLEGE



[Signature]
Signature of IQAC Coordinator
Katwa College

[Signature]
Signature of Kisan Mitra Cell Convener
Katwa College

[Signature]
Signature of the IQAC Coordinator
Coordinator
IQAC
Katwa College

[Signature]
Signature of the Principal
Principal
Katwa College



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Date: 09.07.2019

NOTICE Kisan Mitra Cell Meeting

It is informed to all the Committee members of Kisan Mitra Cell, Katwa College that a Meeting has been scheduled on 16.07.2019 to be held at the principal's chamber at 11.00 AM to discuss the following agenda:

1. Confirmation of previous meeting.
2. Select the study area for collecting soil samples and communicate with cultivators.
3. Make a blueprint about the entire activities.
4. Discussion and distribution of the workloads.
5. Essential requirements to complete the programme successfully.

NSK
Principal.
Katwa College
09/07/2019
Principal
KATWA COLLEGE



Shah
09/07/2019
Convener
Kisan Mitra Cell
Katwa College

NSK
Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

NSK
Signature of the Principal

Principal
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Meeting No:

Date: 16.07.2019

Venue: Principal's Chamber, Katwa College

Time: 11.00A.M.

Proceedings of the meeting/Resolution

With the active involvement of all committee members and esteemed Principal Dr. Nirmalendu Sarkar, Katwa College presides over the meeting. Apart from the Committee members the IQAC coordinator Mr. Utpal Das also present in the meeting. The Principal greetings all the members present at the meeting. Item-wise decisions on the agenda are as under:

Item-1: Confirmation of previous meeting

Resolution: The principal shared the decisions of previous meetings in the official WhatsApp group from time to time. As all the members are well aware of these, decisions / minutes of said meetings are confirmed unanimously.

Item-2: Select the study area for collecting soil samples and communicate with cultivators.

Resolution: we select and confirm unanimously the remaining portion of Khajurdihi Mouza (Sheet No. 2), to complete our goals.

Item-3: Make a blueprint about the entire activities.

Resolution: As like the previous meeting of Kisan Mitra Cell, Katwa College, to successfully complete the programme, it is categories into two halves, first, **Soil Sample Collection** with guidance of teachers and departmental student's soil samples are collected randomly plot by plot from selected areas and properly leveled with latitude and longitude reading. Then processed the collected samples and determined the Chemical properties. Such as Soil pH, organic Carbon, Soil macronutrients Nitrate Nitrogen, Ammonical Nitrogen, Potassium (K) and Phosphorus (P) etc. in college soil laboratory by Kit method. Second, **Awareness cum outreach in the Village**, the overall result of different soil properties are Expressed among the selected village. Also, represent the amelioration process of soil acidity and alkalinity, advantages of use of organic fertilizer, selection of appropriate plants or crops in various pH levels, optimum use of irrigated water, crop rotation, use of modern technology and apps to measures crop health and diagnosis of diseases and weather conditions also, that may help to create a sustainable agriculture system.

Item-4: Discussion and distribution of the workloads.

Resolution: There are no changes in previous duties and workload so it is remember among the committee members by our respected IQAC coordinator sir Utpal Das.

Item-5: Essential requirements to complete the programme successfully.

Resolution: An extra Soil Testing Kit Box and Some Soil sample Collection Instrument Auger is necessary to smoothly run the Kisan Mitra Cell, Katwa College. Our respected principal Sir assured ourselves to solve the crisis immediately.



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
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Date: 22/07/2019

NOTICE

Soil sample collection and Community based awareness programme at Khajurdihi (Sheet No.2) to promote Sustainable Agriculture.

In reference to the decisions taken unanimously at the Kisan Mitra Cell Committee meeting dated 16.07.2019, and in view to reach the local farmers and collection of samples to know soil and crops health, our Kisan Mitra Cell committee, Katwa College is going to be organized a Soil sample collection and Community based awareness programme at nearby Khajurdihi (Sheet No.2) village on 26.07.2019 at 11.00 AM and 19/08/2019 at 12.00 noon. Said programme will be conducted in the guidance of Mr. Toton Ghosh, Mr. Suvendu Pal & faculty members of Katwa College.

All the students of Geography, Botany, and Chemistry department are directed to contact the respective teachers regarding the aforementioned programme on or before 26.07.2019.

Principal
Principal
Katwa College
26/07/2019
Principal
KATWA COLLEGE



Convener
22/07/2019
Convener
Kisan Mitra Cell
Katwa College

Signature
Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature
Signature of the Principal

Principal
Katwa College



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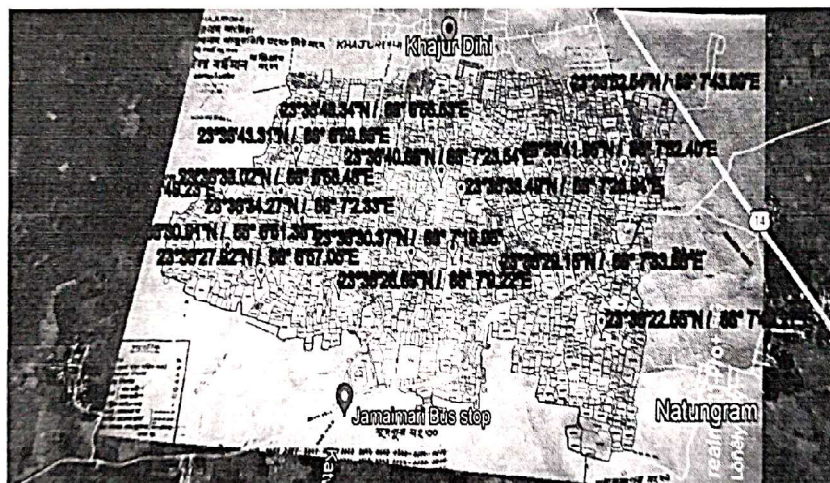
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REPORT OF KISAN MITRA CELL, KATWA COLLEGE

As per a decision taken by the meeting resolution on 15.09.2019, Kisan Mitra Cell committee conducted Soil Sample Collection and Community based awareness programme on 26.07.2019 and 19.08.2019. The Mouza located under Katwa police station, JL Number 28. Students of Geography, Chemistry and Botany department participated in a one-day field visit to the nearby selected village (Khajurdihi) along with the teachers and staff. Students collected the soil sample from the spot with the help of Cadastral map & GPS location, then they analyzed soil sample in the laboratory, determined the NPK status, pH level, Organic Carbon and made a report card for selected plots. The result was offered to the farmer for their welfare and enrichment. Farmers also gained knowledge about modern technology and different apps that may be able to determine the crop diseases, deficiency of nutrients in plants and related solutions. Our respected teachers emphasized more use of bio-fertilizer, crop rotation among the cultivators.



Location of Khajurdihi Mouza (Sheet No.:2)



Signature of the IQAC Coordinator

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Soil Sample Plots, their Present condition and Chemical Properties, Khajurdigi, Katwa, Purba Bardhaman.									
Plot No.	Latitude	Longitude	Present Condition	pH	Organic Carbon	Nitrate	Ammonical	Phosphorus	Potassium
1816	23°35'36.59"N	88° 6'39.38"E	Shale	7	Above 0.75	45	65	50-65	250-350
1905	23°35'32.60"N	88° 6'45.77"E	Shale	7	Above 0.75	18	180	Above 65	250-350
1928	23°35'29.41"N	88° 6'38.88"E	Not Found	7	0.5-0.75	45	180	Above 65	Below 100
2015	23°35'32.29"N	88° 6'34.98"E	Shale	6.5	Above 0.75	18	180	Above 65	100-250
1961	23°35'26.28"N	88° 6'31.92"E	Shale	5.5	Above 0.75	18	180	20-50	Below 100
1833	23°35'20.64"N	88° 6'35.07"E	Shale	6.5	0.5-0.75	18	65	50-65	100-250
1820	23°35'24.13"N	88° 6'31.72"E	Shale	7	Above 0.75	45	180	Above 65	100-250
1885	23°35'18.03"N	88° 6'30.80"E	Shale	7	0.5-0.75	45	180	Above 65	250-350
2127	23°35'17.58"N	88° 6'35.60"E	Shale	6.5	Above 0.75	18	65	Above 65	250-350
2165	23°35'24.07"N	88° 6'42.29"E	Shale	7	Above 0.75	18	180	Above 65	100-250
3226	23°35'28.67"N	88° 6'46.44"E	Not Found	7	0.5-0.75	18	65	50-65	Below 100
2995	23°35'19.54"N	88° 6'50.28"E	Shale	7	Above 0.75	45	180	Above 65	100-250
3004	23°35'25.92"N	88° 6'52.60"E	Shale	7	0.5-0.75	18	180	Above 65	100-250
3016	23°35'35.30"N	88° 6'55.42"E	Shale	6.5	Above 0.75	18	65	50-65	250-350
3176	23°35'33.77"N	88° 6'58.90"E	Shale	6.5	Above 0.75	45	180	Above 65	250-350
2736	23°35'25.25"N	88° 7'19.42"E	Shale	7	Above 0.75	18	65	50-65	Below 100
2864	23°35'26.28"N	88° 7'36.80"E	Do	6.5	0.5-0.75	45	180	Above 65	100-250
2837	23°35'21.87"N	88° 7'34.59"E	Shuna	6.5	Above 0.75	18	180	50-65	250-350
2669	23°35'20.59"N	88° 7'38.14"E	Do	7	0.5-0.75	18	65	Above 65	250-350
3519	23°35'17.96"N	88° 7'45.08"E	Shale	7	Above 0.75	18	180	Above 65	100-250



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



KATWA COLLEGE

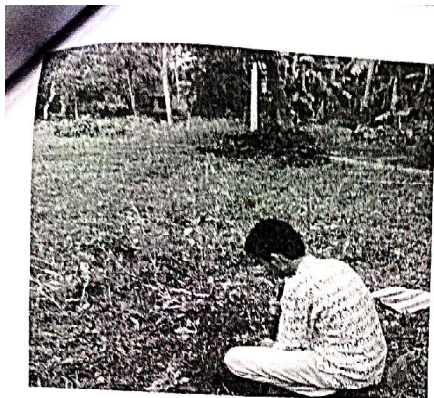
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P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN: 713130, India.

Mobile: +918101078393

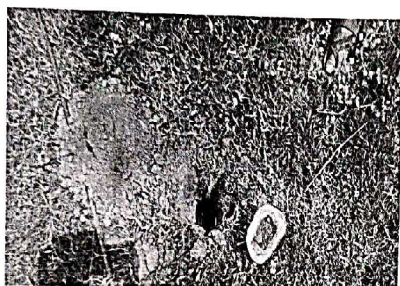
॥ विद्यया विन्दतेऽमृतम् ॥



Soil Collection



Irrigation in Paddy Field



Soil Collection



Interaction with People



Soil Test by Students



Interaction with People



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College
(Students Attendance Sheet)

Sl. No.	Name Of Students	Semester	Department	Signature
1	Bristi Pradhan		Geography	Bristi Pradhan
2	Falguni Mallik		Geography	Falguni Mallik
3	Saifunnesa Khatun		Geography	Saifunnesa Khatun
4	Shreyas Pal		Geography	Shreyas Pal
5	Megha Saha		Geography	Megha Saha
6	Rimpi Ghosh		Geography	Rimpi Ghosh
7	Ankita Ghosh		Geography	Ankita Ghosh
8	Suvom Rudra		Geography	Suvom Rudra
9	Anisha Ghosh		Geography	Anisha Ghosh
10	Pallabi Biswas		Geography	Pallabi Biswas
11	Babul Saha		Geography	Babul Saha
12	Saheli Sarkar		Geography	Saheli Sarkar
13	Smritikanta Ghosh		Geography	Smritikanta Ghosh
14	Tiyasa Bhattacharjee		Geography	Tiyasa Bhattacharjee
15	Priya Dutta		Geography	Priya Dutta
16	Amrita Mondal		Geography	Amrita Mondal
17	Sumita Samanta		Geography	Sumita Samanta
18	Sonia Khatun		Geography	Sonia Khatun
19	Pusti Roy		Geography	Pusti Roy
20	Munna Dajadan		Geography	Munna Dajadan
21	Poulami Bhattacharya		Geography	Poulami Bhattacharya
22	Baidahi Ghosh		Geography	Baidahi Ghosh
23	Soumyajit Bandhu		Chemistry	Soumyajit Bandhu
24	Hirannmoy Ghosh		Chemistry	H. Ghosh
25	Subhadurip Roy		Botany	S. Roy
26	Koushik Biswas		Geography	K. Biswas
27	Fazul Sekh		Geography	F. Sekh
28	Amitabon Roy		Geography	Amitabon Roy
29	CHAYAN MONDAL		Geography	Chayan Mondal
30				

Signature of Principal

Signature of IQAC, Coordinator

Signature of Kisan Mitra Cell Convener

Katwa College
Principal
KATWA COLLEGE

Katwa College

Katwa College



Signature of the IQAC Coordinator

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Attendance Sheet)

Sl No	Name	Contact Number	Signature
1	Asoke Kumar Saha	9732248927	Asoke Kumar Saha
2	Eudib Kumar Saha	8509409109	Eudib Kumar Saha
3	Tarak Dabadar	8371854454	Tarak Dabadar
4	Amaresh Adhikari	8145992050	Amaresh Adhikari
5	Pranab Ghosh	9083257197	Pranab Ghosh
6	Salfuddin SK	8670197493	Salfuddin SK
7	Rafiq Mallik	7908661605	Rafiq Mallik
8	কালম উদ্দিন স্ক	9609696626	কালম উদ্দিন স্ক
9	kalam uddin SK	9564960230	kalam uddin SK
10	Ranjay Sankari	9734249579	Ranjay Sankari
11	পরাশ ভিষ্ম	9734580556	পরাশ ভিষ্ম
12	Ranjay Dey	9851699758	Ranjay Dey
13	Ayan Das	-	Ayan Das
14	Palash Biswas	-	Palash Biswas
15	Rita DEY	-	Rita DEY
16	Rupa Debnath	-	Rupa Debnath
17	Rupankar Kole	9735320237	Rupankar Kole
18	Shreya Ghosh	-	Shreya Ghosh
19	Rajasri Gaikot	-	Rajasri Gaikot
20	Soumita sandar	-	Soumita sandar
21			
22			
23			
24			
25			

Signature of Principal

Katwa College
4/9/18/2019
Principal
KATWA COLLEGE

Signature of IQAC Coordinator

Katwa College

Signature of Kisan Mitra Cell Convener

Katwa College



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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KATWA COLLEGE

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Principal's Office

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PURBA BARDHAMAN

Mob.- +91 8101078393

E-mail: katcoll2009@gmail.com

Website: www.katwacollege.ac.in

Date: 03.06.2022

NOTICE

Kisan Mitra Cell Meeting

All the Committee members of Kisan Mitra Cell, Katwa College are hereby informed that a meeting has been scheduled on 07.06.2022 to be held at the principal's chamber at 11.00 AM to discuss the following agenda:

1. Confirmation of previous meeting
2. Select the study area for collecting soil samples and communicate with cultivators.
3. Prepare a schedule to complete the upcoming Kisan Mitra Cell programme.

Principal
Katwa College
Principal
Katwa College



Convener
Kisan Mitra Cell
Katwa College

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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PURBA BARDHAMAN

Mob.- +91 8101078393

E-mail: katcoll2009@gmail.com

Website: www.katwacollege.ac.in


Date: 13/06/2022

NOTICE

Soil sample collection and Community based awareness programme at Ekaihat Mouza to promote Sustainable Agriculture.

In reference to the decisions taken unanimously at the Kisan Mitra Cell Committee meeting dated 03.06.2022 and in view to reach the local farmers and collection of samples to know soil and crops health, our Kisan Mitra Cell committee, Katwa College is going to be organized a Soil sample collection and Community based awareness programme at nearby Ekaihat Mouza, Nutangram village on 20.06.2022 at 12.00 Noon and 12/07/2022 at 1.00 P.M. Said programme will be conducted in the guidance of Mr. Toton Ghosh, Mr. Suvendu Pal & Mr. Biswajit Hansda, faculty members of our college.

All the students of Geography, Botany and Chemistry department are directed to contact the respective teachers regarding the aforementioned programme on or before 19.06.2022.


Principal 13/06/2022
Katwa College
Principal
Katwa College




13/06/2022
Convener
Kisan Mitra Cell
Katwa College

Signature of the IQAC Coordinator


Coordinator
IQAC
Katwa College

Signature of the Principal


Principal
Katwa College



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Meeting No: 01/06/2022

Date: 07.06.2022

Venue: Principal's Chamber, Katwa College

Time: 11.00A.M

Minutes of the meeting/Resolution

Present of all committee members and esteemed Principal Dr. Nirmalendu Sarkar, Katwa College conducts the meeting. Besides the Committee members, the IQAC coordinator Mr. Utpal Das is also present at the meeting. The Principal greets all the members present. Item-wise decisions on the agenda are as follows:

Item-1: Confirmation of previous meeting

Resolution: The principal shared the outcomes of previous meetings in the official WhatsApp group periodically. As all the members are well informed of these and there are not any queries among the present members, minutes of the said meetings are accepted unanimously.

Item-2: Select the study area for collecting soil samples and communicate with cultivators.

Resolution: We select and confirm unanimously the Ekaihat Mouza, under Katwa Police station, to complete our entire activities of Kisan Mitra Cell.

Item-3: Make a blueprint about the entire activities.

Resolution: As like the previous meeting of Kisan Mitra Cell, Katwa College, to successfully complete the programme, it is categories into two halves, first, **Soil Sample Collection** with guidance of teachers and departmental students soil samples are collected randomly plot by plot from selected areas and properly leveled with latitude and longitude reading. Then processed the collected samples and determined the Chemical properties. Such as Soil pH, organic Carbon, Soil macronutrients Nitrate Nitrogen, Ammonical Nitrogen, Potassium (K) and Phosphorus (P) etc. in college soil laboratory by Kit method. Second, **Awareness cum outreach in the Village**, the overall result of different soil properties are Expressed among the selected village. Also, represent the reclamation process of soil acidity and alkalinity, advantages of use of organic fertilizer, selection of appropriate plants or crops in various pH levels, optimum use of irrigated water, crop rotation, use of modern technology and apps to measures crop health and diagnosis of diseases and weather conditions also, that may help to create a sustainable agriculture system.

Item-3: Prepare a schedule to complete the upcoming Kisan Mitra Cell programme.

Resolution: There are no modifications in previous responsibilities and workload, so it is recalled among the committee members by our esteemed IQAC coordinator, Mr. Utpal Das.



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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REPORT OF KISAN MITRA CELL, 2022

In accordance with the decision made by the meeting resolution on 03.06.2022, the Kisan Mitra Cell committee carried out Soil Sample Collection and a Community-based awareness program on 20.06.2022 and 12.07.2022. The Mouza located under Katwa police station, JL Number 28. Students of Geography, Chemistry and Botany department participated in a one-day field visit to the nearby selected village (Nutangram) along with the teachers and staff to achieve a great success. Students collected the soil sample from the spot with the help of Cadastral map & GPS location, then they analyzed soil sample in the laboratory, determined the NPK status, pH level, Organic Carbon and made a report card for selected plots. The result was offered to the farmer for their welfare and enrichment. Farmers also gained knowledge about modern technology and different apps that may be able to determine the crop diseases, deficiency of nutrients in plants and related solutions. Our respected teachers emphasized more use of bio-fertilizer, crop rotation among the cultivators and stopping the burning of crop residues, because it creates a fatal problem in soil microbial performance.

EVIDENCE OF SUCCESS

The entire event was an enormous triumph, exceeding our expectations. The villagers' behavior was courteous, and their enthusiasm was remarkable. They invited our students for similar programs in the future as it brought a fresh perspective to their routine lives, and the students' enthusiasm was evident. It was a distinctive experience for the students to perform outside classroom laboratories and apply their theoretical knowledge to practical life.



Soil sample collection stations



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Soil Sample Plots, their Present condition and Chemical Properties, Nutangram, Ekaihat Mouza Katwa, Purba Bardhaman.									
Plot No	Latitude	Longitude	Present Condition	pH	Organic carbon	Nitrate	Ammonical	Phosphorus	Potassium
4596	23°36'34.75"N	88° 8'0.18"E	Shale	6.5	Above 0.75	45	65	50-65	100-250
5102	23°36'34.29"N	88° 8'11.79"E	Shale	7.0	Above 0.75	18	180	Above 65	250-350
5012	23°36'30.87"N	88° 8'6.64"E	Shale	6.5	0.5-0.75	45	65	50-65	100-250
4973	23°36'24.62"N	88° 8'3.60"E	Shuna	7.0	Above 0.75	18	180	Above 65	100-250
4646	23°36'22.90"N	88° 7'55.66"E	Do	6.5	Above 0.75	45	65	50-65	250-350
4749	23°36'12.09"N	88° 8'0.24"E	Shale	7.0	Above 0.75	45	180	50-65	100-250
5367	23°36'9.99"N	88° 8'7.20"E	Shale	6.5	0.5-0.75	45	180	Above 65	100-250
5354	23°36'12.34"N	88° 8'9.90"E	Shale	7.0	Above 0.75	45	65	50-65	100-250
5414	23°36'11.28"N	88° 8'15.70"E	Shale	7.0	Above 0.75	45	180	20-50	100-250
5403	23°36'7.26"N	88° 8'18.81"E	Shale	6.5	Above 0.75	45	180	Above 65	100-250
5477	23°36'11.14"N	88° 8'24.76"E	Shale	7.0	0.5-0.75	45	65	50-65	Below 100
5555	23°36'8.27"N	88° 8'29.43"E	Pukur Par	7.0	Above 0.75	45	180	Above 65	100-250
5576	23°36'19.56"N	88° 8'14.71"E	Shale	6.5	0.5-0.75	45	65	50-65	250-350
5296	23°36'21.97"N	88° 8'19.13"E	Do	7.0	Above 0.75	45	180	Above 65	250-350
5463	23°36'18.24"N	88° 8'25.69"E	Shale	6.5	Above 0.75	45	180	Above 65	250-350
5319	23°36'16.46"N	88° 8'16.57"E	Shale	7.0	Above 0.75	18	180	Above 65	100-250
4999	23°36'29.10"N	88° 8'9.49"E	Do	6.5	0.5-0.75	45	65	Above 65	100-250
5242	23°36'26.95"N	88° 8'17.14"E	Do	7.0	Above 0.75	18	180	50-65	100-250
5147	23°36'42.65"N	88° 8'18.76"E	Shale	7.0	Above 0.75	45	180	Above 65	Below 100
5162	23°36'47.33"N	88° 8'23.20"E	Shale	6.5	Above 0.75	45	180	50-65	100-250
5191	23°36'35.03"N	88° 8'23.49"E	Shale	7.0	0.5-0.75	45	65	Above 65	250-350
4513	23°36'43.69"N	88° 7'59.42"E	Shale	7.0	Above 0.75	18	180	Above 65	100-250
4513	23°36'43.69"N	88° 7'59.42"E	Shale	7.0	Above 0.75	45	180	Above 65	250-350
4566	23°36'41.31"N	88° 7'57.96"E	Shale	7.0	Above 0.75	45	180	Above 65	250-350
4524	23°36'44.78"N	88° 8'4.24"E	Do	7.0	0.5-0.75	18	180	50-65	250-350
5090	23°36'39.87"N	88° 8'13.32"E	Shale	7.0	Above 0.75	45	180	Above 65	250-350



SOIL SAMPLE COLLECTION



SOIL SAMPLE COLLECTION



SOIL TEST



INTERACTION WITH PEOPLE



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Students Attendance Sheet)

Sl. No.	Name Of Students	Semester	Department	Signature
1	Shreya Pal		Geography	Shreya Pal
2	Anisha Ghosh		Geography	Anisha Ghosh
3	Sania Khatun		Geography	Sania Khatun
4	Subodip Roy		Botany	Subodip Roy
5	Monisha Molla		Botany	Monisha Molla
6	Surom Rudra		Geography	Surom Rudra
7	Sumona Biswas		Botany	Sumona Biswas
8	Priya Dutta		Geography	Priya Dutta
9	Rimpi Ghosh		Geography	Rimpi Ghosh
10	Sudip Hazra		Chemistry	Sudip Hazra
11	Bristi Pradhan		Geography	Bristi Pradhan
12	Debanjana Roy		Chemistry	Debanjana Roy
13	Babul Saha		Geography	Babul Saha
14	Hiranmoy Ghosh		Chemistry	H. Ghosh
15	Panchanan Roy		Chemistry	Panchanan Roy
16	Baidahi Ghosh		Geography	Baidahi Ghosh
17	Sumita Pal		Botany	Sumita Pal
18	Sourajit Bandhu		Chemistry	Sourajit Bandhu
19	CHAYAN MONDAL		Geography	Chayan Mondal
20	Sathi Debnath		Geography	Sathi Debnath
21	Anish Singha		Geography	Anish Singha
22	Munna Dajadar		Geography	Munna Dajadar
23	Paulami Bhattacharya		Geography	Paulami Bhattacharya
24	Saheli Sarkar		Geography	Saheli Sarkar
25				
26				
27				
28				
29				
30				

Signature of Principal

Katwa College
Principal
Katwa College



Signature of IQAC, Coordinator

Katwa College

Signature of Kisan Mitra Cell Convener

Katwa College

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Attendance Sheet)

Sl No	Name	Contact Number	Signature
1	Debabrata Dey	7047594586	Debabrata Dey
2	Tamal Dey	7063094220	Tamal Dey
3	Tapas kr. Saha	9882921377	Tapas kr. Saha
4	Ganesh Ch. Kole	9735320237	Ganesh Ch. Kole
5	Gangaram Majhi	8209229418	Gangaram Majhi
6	SAKSHI Gopal Barnerjee	7797649336	Sakshi Gopal Barnerjee
7	Bulal Chandra Das	9378171003	Bulal Ch Das
8	Tulsi Pradhan	9749351950	Tulsi Pradhan
9	Bhuban Kumar Ghosh	8134068761	Bhuban Kumar Ghosh
10	Sanjoy Kumar Nandi	7797607427	Sanjoy Kumar Nandi
11	Sanjoy Samanta	9749110552	Sanjoy Samanta
12	Amit Singha.	8798107141	Amit Singha.
13	Islam Dafadan	8145665803	Islam Dafadan
14	Susanta Deb Nath	9922222560	Susanta Deb Nath
15	Rakesh Dutta	8637890589	Rakesh Dutta
16			
17			
18			
19			
20			
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22			
23			
24			
25			

Signature of Principal

Katwa College
Principal
Katwa College



Signature of IQAC Coordinator

Katwa College

Signature of Kisan Mitra Cell Convener

Katwa College

12/09/2022

Signature of the IQAC Coordinator

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Signature of the Principal

Principal
Katwa College



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Mob.- +91 8101078393

E-mail: katcoll2009@gmail.com

Website: www.katwacollege.ac.in

Date: 30.06.2023

NOTICE

Kisan Mitra Cell Meeting

All the Committee members of Kisan Mitra Cell, Katwa College are hereby informed that a meeting has been scheduled on 05.07.2023 to be held at the principal's chamber at 1.00 PM to discuss the following agenda:

1. Confirmation of previous meeting
2. Select the study area for collecting soil samples and communicate with cultivators.
3. Reschedule to complete the upcoming Kisan Mitra Cell programme.
4. Miscellaneous.

Principal
Principal.
Katwa College

Principal
KATWA COLLEGE



Convener
30/06/2023
Convener
Kisan Mitra Cell
Katwa College

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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PURBA BARDHAMAN

Mob.- +91 8101078393

E-mail: katcoll2009@gmail.com

Website: www.katwacollege.ac.in


Date: 17/07/2023

NOTICE


Soil sample collection and Community based awareness programme at Panchghara to promote Sustainable Agriculture.

In reference to the decisions taken unanimously at the Kisan Mitra Cell Committee meeting dated 05.07.2023, and in view to reach the local farmers and collection of samples to know soil and crops health, our Kisan Mitra Cell committee, Katwa College is going to be organized a Soil sample collection and Community based awareness programme at nearby Panchghara village on 03.08.2023 at 12.00 Noon and 18/08/2023 at 1.00 PM. Said programme will be conducted in the guidance of Mr. Toton Ghosh, Mr. Suvendu Pal & Mr. Biswajit Hansda, faculty members of our college.

All the students of Geography, Botany and Chemistry department are directed to contact the respective teachers regarding the aforementioned programme on or before 02.08.2023.



Principal
Katwa College 17/07/2023
Principal
KATWA COLLEGE




17/07/2023
Convener
Kisan Mitra Cell
Katwa College


Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College


Signature of the Principal

Principal
Katwa College



KATWA COLLEGE

(Affiliated to the University of Burdwan)

Principal's Office,

P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN: 713130, India.

Mobile: +918101078393

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Meeting No:

Date: 05.07.2023

Venue: Principal's Chamber, Katwa College

Time: 1.00PM

Minutes of the meeting/Resolution

Due to the pandemic of COVID-19, our entire teaching learning process has been completed in virtual mode. That's why our Kisan Mitra Cell was not able to continue the activities. After a long break, with participation of all committee members and esteemed Principal Dr. Nirmalendu Sarkar, Katwa College conducts the meeting. Besides the Committee members, the IQAC coordinator Mr. Utpal Das is also present at the meeting. The Principal welcomed all the members present. Item-wise decisions on the agenda are as follows:

Item-1: Confirmation of previous meeting

Resolution: The principal shared the outcomes of previous meetings in the official WhatsApp group periodically. As all the members are well informed of these and there are not any queries among the present members, minutes of the said meetings are accepted unanimously.

Item-2: Select the study area for collecting soil samples and communicate with cultivators.

Resolution: We select and confirm unanimously the very nearest Panchghara Mouza, under Katwa Police station, to complete our entire activities of Kisan Mitra Cell.

Item-3: Reschedule to complete the upcoming Kisan Mitra Cell programme.

Resolution: As like the previously scheduled Kisan Mitra Cell, Katwa College, to successfully complete the programme, estimated one day for **Soil Sample Collection** with guidance of Committee members. Soil samples are collected randomly plot by plot from selected areas and properly leveled with GPS reading. Then processed the collected samples and determined the Chemical properties. Such as Soil pH, Organic Carbon, Soil macronutrients Nitrate Nitrogen, Ammonical Nitrogen, Potassium (K) and Phosphorus (P) etc. in College soil laboratory by Kit method. Another day our all Kisan Mitra Cell will organize **Awareness cum outreach in the Village**, the overall result of different soil properties are expressed among the selected village. Also, represent the reclamation process of soil acidity and alkalinity, advantages of use of organic fertilizer, selection of appropriate plants or crops in various pH levels, optimum use of irrigated water, crop rotation, use of modern technology and apps to measure crop health and diagnosis of diseases and weather conditions also, that may help to create a sustainable agriculture system.

Item-4: Miscellaneous

Resolution: Convener of Kisan Mitra Cell requested the principal to purchase some indicators and reagents such as Distilled water, Indicator Number-10, Test tube etc. which are essential to determine the soil chemical properties. Respected Sir assured us to meet the needs immediately.



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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REPORT OF KISAN MITRA CELL, 2023

In accordance with the decision made by the meeting resolution on 05.07.2023, the Kisan Mitra Cell committee carried out Soil Sample Collection and a Community-based awareness program on 03.08.2023 and 18.08.2023. The Mouza located under Katwa police station, JL Number 18. Students of Geography, Chemistry and Botany department participated in a one-day field visit to the nearby selected village (Panchghara) along with the teachers and staff to achieve a great success. Students collected 15 soil samples from the spot with the help of Cadastral map & GPS location, then they analyzed soil samples in the laboratory, determined the NPK status, pH level, Organic Carbon and made a report card for selected plots. The result was offered to the farmer for their welfare and enrichment. Farmers also gained knowledge about modern technology and different apps that may be able to determine crop diseases, deficiency of nutrients in plants and related solutions. Our respected teachers emphasized more use of bio-fertilizer, crop rotation among the cultivators and stopping the burning of crop residues, because it creates a fatal problem in soil microbial performance.

Soil Sample Plots, their Present Condition and Chemical Properties, Panchghara, Katwa, Purba Bardhaman										
Sl.No	Plot No	Latitude	Longitude	Present Condition	pH	Organic Carbon	Nitrate	Ammonical	Phosphorus	Potassium
1	37	23°37'51.07"N	88° 6'44.30"E	Shale	6.5	0.5-0.75	18	180	50-65	100-250
2	44	23°37'53.66"N	88° 6'50.51"E	Shale	7.0	Above 0.75	45	180	Above 65	250-350
3	111	23°37'55.84"N	88° 7'6.80"E	Shale	7.0	0.5-0.75	45	180	Above 65	250-350
4	115	23°37'59.02"N	88° 7'6.75"E	Shale	6.5	Above 0.75	18	180	Above 65	100-250
5	143	23°37'53.46"N	88° 7'0.97"E	Shale	7.0	Above 0.75	45	65	50-65	250-350
6	190	23°37'53.06"N	88° 7'15.71"E	Shale	6.5	Above 0.75	18	65	50-65	100-250
7	207	23°37'57.36"N	88° 7'15.79"E	Shale	7.0	Above 0.75	45	180	Above 65	100-250
8	233	23°38'1.66"N	88° 7'20.93"E	Shale	7.0	0.5-0.75	45	65	Above 65	250-350
9	281	23°37'51.71"N	88° 7'20.37"E	Shale	6.5	Above 0.75	18	65	Above 65	100-250
10	513	23°37'33.65"N	88° 6'59.37"E	Shale	7.0	Above 0.75	45	180	Above 65	100-250
11	545	23°37'34.27"N	88° 7'3.12"E	Shale	7.0	0.5-0.75	45	65	50-65	100-250
12	582	23°37'36.84"N	88° 7'9.37"E	Shale	6.5	Above 0.75	45	180	Above 65	100-250
13	623	23°37'31.11"N	88° 7'14.93"E	Shale	7.0	0.5-0.75	18	65	50-65	100-250
14	724	23°37'25.03"N	88° 7'22.40"E	Shale	7.0	Above 0.75	18	65	Above 65	250-350
15	742	23°37'36.34"N	88° 7'25.07"E	Shale	6.5	Above 0.75	45	180	Above 65	250-350



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Soil Sample Collection Points at Panchgrara



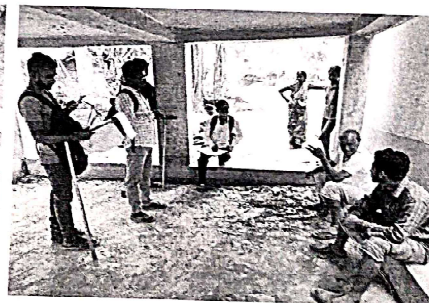
Soil Collection Group



Soil Properties Test



Sample Collection from Field



Interaction with Local People



Signature of the IQAC Coordinator

**Coordinator
IQAC
Katwa College**

Signature of the Principal

**Principal
Katwa College**



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EVIDENCE OF SUCCESS

The entire event was an enormous triumph, exceeding our expectations. The villagers' behavior was courteous, and their enthusiasm was remarkable. They invited our students for similar programs in the future as it brought a fresh perspective to their routine lives, and the students' enthusiasm was evident. It was a distinctive experience for the students to perform outside classroom laboratories and apply their theoretical knowledge to practical life.



Signature of the IQAC Coordinator

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IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Students Attendance Sheet)

Sl. No.	Name Of Students	Semester	Department	Signature
1	Anisha Ghosh		Geography	Anisha Ghosh
2	Rimpi Ghosh		Geography	Rimpi Ghosh
3	Supriya Dafadar		Geography	Supriya Dafadar
4	Tanmoy Dey		Geography	Tanmoy Dey
5	Lithi Ghosh		Geography	Lithi Ghosh
6	Lala Dey		Geography	Lala Dey
7	Sathi Saha		Geography	Sathi Saha
8	Shibapriya Chakraborty		Geography	Shibapriya Chakraborty
9	Shisha Saha		Geography	Shisha Saha
10	Saheli Sankari		Geography	Saheli Sankari
11	Pallabi Biswas		Geography	Pallabi Biswas
12	Smritikana Ghosh		Geography	Smritikana Ghosh
13	Tushar Saha		Geography	Tushar Saha
14	Sania Khatun		Geography	Sania Khatun
15	Falguni Mallik		Geography	Falguni Mallik
16	Saifunnesa Khatun		Geography	Saifunnesa Khatun
17	Tanmoy Das		Geography	Tanmoy Das
18	Mamodipa Ghosh		Geography	Mamodipa Ghosh
19	Sandip Maishi		Geography	Sandip Maishi
20	Ankita Adhikari		Geography	Ankita Adhikari
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Signature of Principal

Katwa College
03/08/2023
Principal
KATWA COLLEGE



Signature of IQAC, Coordinator

Katwa College

Signature of Kisan Mitra Cell Convener

Katwa College

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Attendance Sheet)

Sl No	Name	Contact Number	Signature
1	Madhab Ch. Mondal,	9250916830	Madhab Ch. Mondal.
2	Jamin Ali Sekh	8944096472	Jamin Ali Sekh
3	Sukhen Sankar	8670551186	Sukhen Sankar
4	Goutam Modak	9691906683	Goutam Modak
5	Goutam Pal	9933345274	Goutam Pal
6	সুখেন সান্কার	9679262928	Sukhen Sankar
7	জামিন আলী	9935078173	Jamin Ali Sekh
8	অজয় গুপ্ত	7047060920	Ajoy Ghosh
9	Ajoy Ghosh	8001624580	Ajoy Ghosh
10	SANJOY MONDAL	9153405738	Sanjoy Mondal
11	Sahadeb Pradhan	8918703655	Sahadeb Pradhan
12	RAM KATSHNA PAL	6234838025	Ram Koushna Pal
13	অজয় সান্কার চৌধুরী	9444116502	Ajoy Sankar Choudhury
14	জিৎস্না রায়	7063038278	Jitnsna Roy
15	Ahindra Roy	9064626667	Ahindra Roy
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22			
23			
24			
25			

Signature of Principal

Katwa College
18/08/2023
Principal

KATWA COLLEGE



Signature of IQAC Coordinator

Katwa College

Signature of Kisan Mitra Cell Convener

Katwa College

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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PURBA BARDHAMAN

Mob.- +91 8101078393

E-mail: katcoll2009@gmail.com

Website: www.katwacollege.ac.in

Date: 14.05.2024

NOTICE

Kisan Mitra Cell Meeting

All the Committee members of Kisan Mitra Cell, Katwa College are hereby informed that a meeting has been scheduled on 17.05.2024 to be held at the principal's chamber at 11.00 AM to discuss the following agenda:

1. Confirmation of previous meeting
2. Select the study area for collecting soil samples and communicate with cultivators.
3. Make a blueprint about the entire activities.
4. Discussion and distribution of the workloads.


Principal,
Katwa College

14/05/2024
Principal
KATWA COLLEGE


14/05/2024
Convener
Kisan Mitra Cell
Katwa College



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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PURBA BARDHAMAN

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E-mail: katcoll2009@gmail.com

Website: www.katwacollege.ac.in

Date: 21/06/2024

NOTICE

Soil sample collection and Community based awareness programme at Sudpur (Sheet No.2) to promote Sustainable Agriculture.

In reference to the decisions taken unanimously at the Kisan Mitra Cell Committee meeting dated 17.05.2024, and in view to reach the local farmers and collection of samples to know soil and crops health, our Kisan Mitra Cell committee, Katwa College is going to be organized a Soil sample collection and Community based awareness programme at nearby Sudpur village on 02.07.2024 at 11.00 AM and 26/07/2024 at 12.00 noon. Said programme will be conducted in the guidance of Mr. Toton Ghosh, Mr. Suwendu Pal & Mr. Biswajit Hansda, faculty members of our college.

All the students of Geography, Botany and Chemistry department are directed to contact the respective teachers regarding the aforementioned programme on or before 01.07.2024.


Principal
Katwa College

21/06/2024
Principal

KATWA COLLEGE




21/06/2024

Convener
Kisan Mitra Cell
Katwa College



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College



Signature of the Principal

Principal
Katwa College



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Meeting No:

Date: 17.05.2024

Venue: Principal's Chamber, Katwa College

Time: 11.00AM

Minutes of the meeting/Resolution

With the active participation of all committee members and esteemed Principal Dr. Nirmalendu Sarkar, Katwa College conducts the meeting. Apart from the Committee members, the IQAC coordinator Mr. Utpal Das is also present at the meeting. The Principal welcomes all the members in attendance. Item-wise resolutions on the agenda are as follows:

Item-1: Confirmation of previous meeting

Resolution: The principal shared the outcomes of previous meetings in the official WhatsApp group periodically. As all the members are well informed of these, decisions/minutes of the said meetings are ratified unanimously.

Item-2: Select the study area for collecting soil samples and communicate with cultivators.

Resolution: we select and confirm unanimously the Sudpur Mouza, under Katwa Police station, to complete our entire activities.

Item-3: Make a blueprint about the entire activities.

Resolution: As like the previous meeting of Kisan Mitra Cell, Katwa College, to successfully complete the programme, it is categories into two halves, first, **Soil Sample Collection** with guidance of teachers and departmental students soil samples are collected randomly plot by plot from selected areas and properly leveled with latitude and longitude reading. Then processed the collected samples and determined the Chemical properties. Such as Soil pH, organic Carbon, Soil macronutrients Nitrate Nitrogen, Ammonical Nitrogen, Potassium (K) and Phosphorus (P) etc. in college soil laboratory by Kit method. Second, **Awareness cum outreach in the Village**, the overall result of different soil properties are Expressed among the selected village. Also, represent the amelioration process of soil acidity and alkalinity, advantages of use of organic fertilizer, selection of appropriate plants or crops in various pH levels, optimum use of irrigated water, crop rotation, use of modern technology and apps to measures crop health and diagnosis of diseases and weather conditions also, that may help to create a sustainable agriculture system.

Item-4: Discussion and distribution of the workloads.

Resolution: There are no modifications in previous responsibilities and workload, so it is recalled among the committee members by our esteemed IQAC coordinator, Mr. Utpal Das.



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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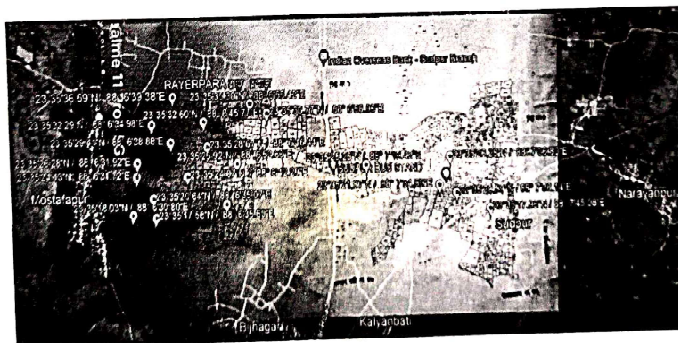
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REPORT OF KISAN MITRA CELL, 2024

In accordance with the decision made by the meeting resolution on 17.05.2024, the Kisan Mitra Cell committee carried out Soil Sample Collection and a Community-based awareness program on 02.07.2024 and 26.07.2024. The Mouza located under Katwa police station, JL Number 30. Students of the Geography, Botany and Chemistry department participated in a one-day field visit to the nearby selected village (Sudpur) along with the teachers and staff. Students collected 20 soil samples from the spot with the help of Cadastral map & GPS location, then they analyzed soil samples in the laboratory, determined the NPK status, pH level, Organic Carbon and made a report card for selected plots. The result was offered to the farmer for their welfare and enrichment. Farmers also gained knowledge about modern technology and different apps that may be able to determine the crop diseases, deficiency of nutrients in plants and related solutions. Our respected teachers emphasized more use of bio-fertilizer, crop rotation among the cultivators.

EVIDENCE OF SUCCESS

The entire event was an enormous triumph, exceeding our expectations. The villagers' behavior was courteous, and their enthusiasm was remarkable. They invited our students for similar programs in the future as it brought a fresh perspective to their routine lives, and the students' enthusiasm was evident. It was a distinctive experience for the students to perform outside classroom laboratories and apply their theoretical knowledge to practical life.



Soil Sample Collection stations



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Soil Sample Plots, their Present condition and Chemical Properties, Sudpur, Katwa, Purba Bardhaman.									
Plot No	Latitude	Longitude	Present Condition	pH	organic carbon	Nitrate	Ammonical	Phosphorus	Potassium
2108	23°35'36.59"N	88° 6'39.38"E	Shale	7.0	Above 0.75	45	180	50-65	250-350
2144	23°35'32.60"N	88° 6'45.77"E	Do	7.0	Above 0.75	18	180		250-350
2158	23°35'29.41"N	88° 6'38.88"E	Shale	6.5		45	65	50-65	100-250
2163	23°35'32.29"N	88° 6'34.98"E	Shuna	7.0	Above 0.75	18	180		100-250
2219	23°35'26.28"N	88° 6'31.92"E	Pukur par	7.0	Above 0.75	45	180	20-50	250-350
2238	23°35'20.64"N	88° 6'35.07"E	Shale	7.0	Above 0.75	18	180	50-65	100-250
2260	23°35'24.13"N	88° 6'31.72"E	Doba	7.0	Above 0.75	45	180		100-250
2348	23°35'18.03"N	88° 6'30.80"E	Shale	7.0	Above 0.75	45	65	50-65	250-350
2367	23°35'17.58"N	88° 6'35.60"E	Shale	7.0	Above 0.75	18	180	20-50	100-250
2432	23°35'24.07"N	88° 6'42.29"E	Shale	6.5	Above 0.75	45	180		100-250
2444	23°35'28.67"N	88° 6'46.44"E	Shale	7.0		18	65		Below 100
2515	23°35'19.54"N	88° 6'50.28"E	Bagan	7.0	Above 0.75	45	180		100-250
2527	23°35'25.92"N	88° 6'52.60"E	Shale	6.5		18	180		100-250
2657	23°35'35.30"N	88° 6'55.42"E	Do	7.0	Above 0.75	45	65	50-65	250-350
2667	23°35'33.77"N	88° 6'58.90"E	Do	6.5	Above 0.75	45	180		250-350
2836	23°35'25.25"N	88° 7'19.42"E	Shale	7.0	Above 0.75	18	180		100-250
2997	23°35'26.28"N	88° 7'36.80"E	Do	7.0		45	65		100-250
3058	23°35'21.87"N	88° 7'34.59"E	Shuna	6.5	Above 0.75	18	180	50-65	100-250
3077	23°35'20.59"N	88° 7'38.14"E	Shale	7.0		18	180		Below 100
3325	23°35'17.96"N	88° 7'45.08"E	Shale	6.5	Above 0.75	18	180		100-250



SOIL SAMPLE COLLECTION



SOIL SAMPLE COLLECTION



SOIL TEST BY STUDENT



INTERACTION WITH PEOPLE



Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Students Attendance Sheet)

Sl. No.	Name Of Students	Semester	Department	Signature
1	Payel Sankar		Chemistry	Payel Sankar
2	Anisha Ghosh		Geography	Anisha Ghosh
3	Bristi Pradhan		Geography	Bristi Pradhan
4	Baidhi Ghosh		Geography	Baidhi Ghosh
5	Shreya Pal		Geography	Shreya Pal
6	Priya Dutta		Geography	Priya Dutta
7	Sania Khatun		Geography	Sania Khatun
8	Falguni Mallik		Geography	Falguni Mallik
9	Saifunnesa Khatun		Geography	Saifunnesa Khatun
10	Tithi Ghosh		Geography	Tithi Ghosh
11	Ankita Adhikari		Geography	Ankita Adhikari
12	Supriya Dabdar		Geography	Supriya Dabdar
13	Sathi Saha		Geography	Sathi Saha
14	Tissha Saha		Geography	Tissha Saha
15	Ananya Pal		Chemistry	Ananya Pal
16	Rajat Dey		Geography	Rajat Dey
17	Tushar Saha		Geography	Tushar Saha
18	Tanmay Dey		Geography	Tanmay Dey
19	Rajassri Debnath		Geography	Rajassri Debnath
20	Soumita Sinha		Geography	Soumita Sinha
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Signature of Principal

Katwa College

02/07/2024
Principal
KATWA COLLEGE




Signature of IQAC, Coordinator


Katwa College


Signature of Kisan Mitra Cell Convener

Katwa College


Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College


Signature of the Principal

Principal
Katwa College



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Community Based Outreach Programme Organized by Kisan Mitra Cell, Katwa College

(Attendance Sheet)

Sl No	Name	Contact Number	Signature
1	Soumen Ghosh	-	সৌমেন গোস্বামী
2	সৌমেন গোস্বামী	9274561079	সৌমেন গোস্বামী
3	বিক্রমজি মিত্র		বিক্রমজি মিত্র
4	মহেশচন্দ্র মিত্র	8591625419	মহেশচন্দ্র মিত্র
5	Santanu Roy	9474110066	Santanu Roy
6	Shuvojit Sarker	-8670629507	Shuvojit Sarker
7	সমীক মিত্র	8296423800	সমীক মিত্র
8	সুব্রত মিত্র	8164292112	সুব্রত মিত্র
9	সমীক মিত্র	9403064241	সমীক মিত্র
10	বিক্রমজি মিত্র	6290544298	বিক্রমজি মিত্র
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[Signature]
Signature of Principal

Katwa College

26/07/2024
Principal
KATWA COLLEGE

[Signature]
Signature of IQAC Coordinator

Katwa College



[Signature]
Signature of Kisan Mitra Cell Convener

Katwa College

[Signature]

Signature of the IQAC Coordinator

Coordinator
IQAC
Katwa College

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Signature of the Principal

Principal
Katwa College