

Serampore Girls' College  
Department of Electronic Science  
Departmental Report: 2022-23

### Number of Regular Students

Year	General Electronics
SEM 2	01
SEM 3	07
SEM 4	01

Total No. of students-----09

### Number of the Teachers

SACT II	<b>1</b>
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Student Teacher Ratio: .....09:1

Class Routine of the department:

ODD semester

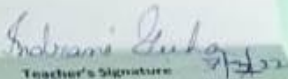
Routine – Electronic Science (ODD semester)- (July-December, 2022)-2022-23

Serampore Girls' College  
Routine –Electronic Science (ODD semester)-2022-23 (July-December,2022)

Day	SEM	9:45-10:45	10:45-11:45	11:45-12:45	12:45-1:45	2:00-3:00	3:00-4:00
Monday	I		CMSA-CC1(I.G)VB-6				
	III	ELTG(I.G)VB-6					
	V						
Tuesday	I				CMSA-CC1(I.G)VB-6		
	III					ELTG ICT (I.G) VB-6	
	V						
Wednesday	I					CMSA-CC1 (I.G) VB-6	
	III				ELTG (I.G) PHY LAB		
	V						
Thursday	I			CMSA-CC1 (I.G) VB-6			
	III	ELTG (I.G) VB-6	ELTG (I.G) VB-6				
	V						
Friday	I						
	III						
	V						
Saturday	I			CMSA-CC1 (I.G)VB-6	CMSA-CC1 (I.G)VB-6		
	III					ELTG (I.G) VB-6	
	V						

Total number of Classes per week: 12

Teacher's Name : Indrani Guha(I.G)

  
 Teacher's Signature  
 27/12/22

## EVEN semester

### Serampore Girls' College Routine –Electronic Science (EVEN semester) -(January-June,2023)-2022-2023

Serampore Girls' College Routine –Electronic Science (EVEN semester)-2022-23 (January-June,2023)							
Day	SEM	9:45-10:45	10:45-11:45	11:45-12:45	12:45-1:45	2:00-3:00	3:00-4:00
Monday	II				CMSA-CC4 (I.G) VB 6		
	IV			ELTG (I.G) P LAB			
	VI					CMSA-CC10 (I.G) ICT VB 6	
Tuesday	II	ELTG (I.G) ICT NB 16		CMSA-CC4 (I.G) (P)VB 6	CMSA-CC4 (I.G) (P)VB 6		
	IV		ELTG (I.G) (T) NB 16				
	VI						
Wednesday	II		CMSA-CC4 (I.G) VB 8				
	IV	CMSA-CC10 (I.G) VB 6					
	VI						
Thursday	II				ELTG (I.G) VB 8		
	IV		CMSA-CC10 (I.G) (P) VB 6	CMSA-CC10 (I.G) (P) VB 6			
	VI						
Friday	II						
	IV						
	VI						
Saturday	II			ELTG (I.G) (T) VB 8			
	IV				ELTG (I.G) VB 8		
	VI						PROJECT (M.G/A.G/I.G) VB 8

Total no. of Classes: – 15, ELTG Classes: - 6, CMSA Classes :- 9  
I.G- Indrani Guha, Designation – SACT-II

*Indrani Guha* 9/1/23  
Department of Electronics

## Teaching- Learning Method

Continuous internal Assessment:

ODD SEM (Semester III)

Class Test

NOTICE

#### 1. Class Test (2022-2023)

Department: Electronic Science

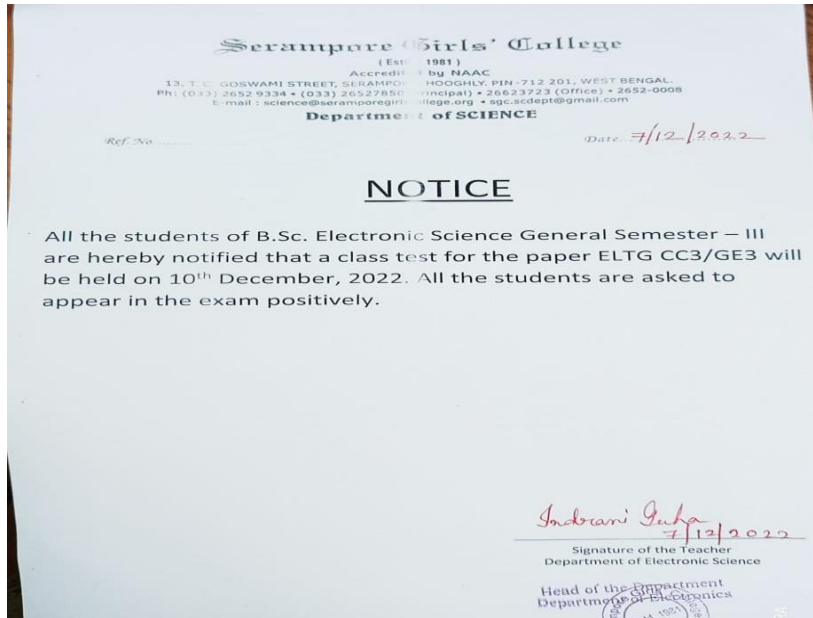
Session- 2022-2023

Date of Exam	Semester	Course	Mode (Written/ oral/MCQ) Partly Online
10/12/2022	III	CC3/GE3	Written

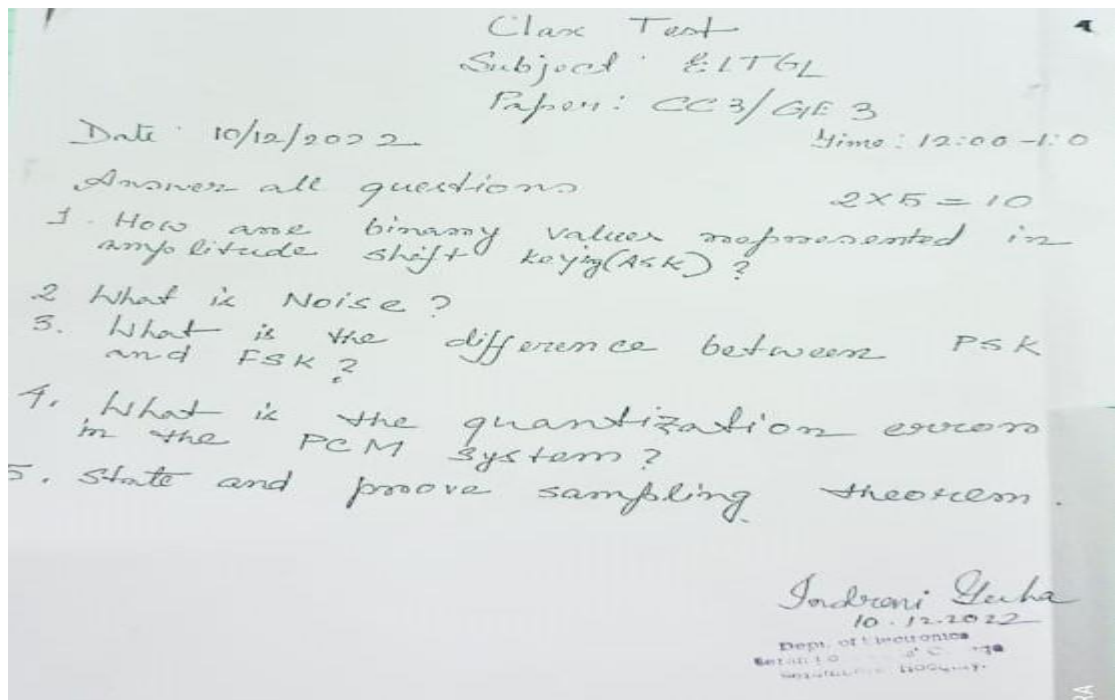
Rest are conducted in CIE mode

*Indrani Guha*  
Department of Electronics

Sign of HOD and stamp



## Question Paper





Serampore Girls' College  
SERAMPORE, HOOGHLY  
B.A.B.Sc. - CIE 2<sup>nd</sup> Examination, 20 22  
Subject: E.T.C. 2.5.602.3

Full Marks: 20  
Papers: Revised Communication Electronics

Roll No.	Paper No.	Roll No.	Paper No.	Roll No.	Paper No.
21291	4				
21292	5				
21293	11				
21294	6				
21295	1				
21296	3				

Date: 5/12/22  
Signature of the Examiner: Indrani Guha 5/12/22

2<sup>nd</sup> CIE  
Electronic Science General  
Paper: Communication Electronics Date: 5/12/2022

Sem - III

Sl	Name	Roll	Full marks	Marks Obtained	Attendance %	Slow/advanced learner (students securing less than 50%)
1	Anjali Pal	21288	20	1	40	Slow
2	Dipanwita Bhadra	21289	20	11	72	Advance
3	Dipshikha Bhadra	21290	20	6	72	Slow
4	Lipika Majhi	21293	20	4	72	Slow
5	Sanjukta Sarder	21299	20	8	75	Slow
6	Puja Dey	21358	20	3	75	Slow

Teacher's Signature: Indrani Guha 5/12/2022  
Dept. of Electronics  
Serampore Girls' College  
Serampore, Hooghly.

List of failed Students

List of not allowed Students

2<sup>nd</sup> CIE Examination  
Semester: 3  
Subject: Electronics Science General (Elg)  
Date: 5/12/2022

List of failed Students

Sl	Name	Roll	Full marks	Marks Obtained	Marks Obtained(%)	Attendance %
1	Anjali Pal	21288	20	1	5	40
2	Lipika Majhi	21293	20	4	20	72
3	Puja Dey	21358	20	3	15	75

Teacher's Signature: Indrani Guha 5/12/2022

Serampore Girls' College  
(Est. 1981)  
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E-mail: science@seramporegirlscollege.org • sgc.science@gmail.com

Department of SCIENCE

Ref. No. \_\_\_\_\_ Date: 9/12/2022

LIST OF NOT ALLOWED  
2022-2023

ROLL NO	NAME	SEM	REASON
SEM 3			
21374	SWETA JADAV	SEM 3	POOR ATTENDANCE & POOR PERFORMANCE IN CIE
21292	BIYA TIWARI	SEM 3	POOR ATTENDANCE AND ABSENT IN CIE 1
SEM 5			
20693	PRITY KUMARI	SEM 5	POOR ATTENDANCE AND ABSENT IN CIE 1

Signature: Indrani Guha 9/12/22  
Moumita Ghosal 9/12/22  
Sauri 9/12/22

Even Semester







# Doubt Clearing Session (2022-23)

## Even Sem (Semester II)

### Serampore Girls' College

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E-mail: science@seramporegirlscollege.org + sgc.sdept@gmail.com

15/05/2023

Ref. No. ....

Date.....

## NOTICE

All the students of Electronic Science General students of Semester II are hereby notified that doubt clearing classes will be held on 17/05/2023 and 18/05/2023 as per the current semester routine. All the students (specifically who have poor marks in CLASS TEST) are asked to attend.

*Subroto Guha*  
Head of the Department  
Department of Electronic Science

Signature of the Teacher  
Department of Electronic Science

### Picture of copy

CU Roll No: 223614-11-0005  
CU Registration No: 614-1211-0290-22

**Serampore Girls' College**

Internal Examination, 2023 Dt: 21.05.2023  
Subject: E.L.C. Paper: CS2/CE2  
Name: Rajni Singh  
Semester: Sem II Roll No: 223614

Signature on verification: *Rajni Singh*  
Marks obtained: 22/30

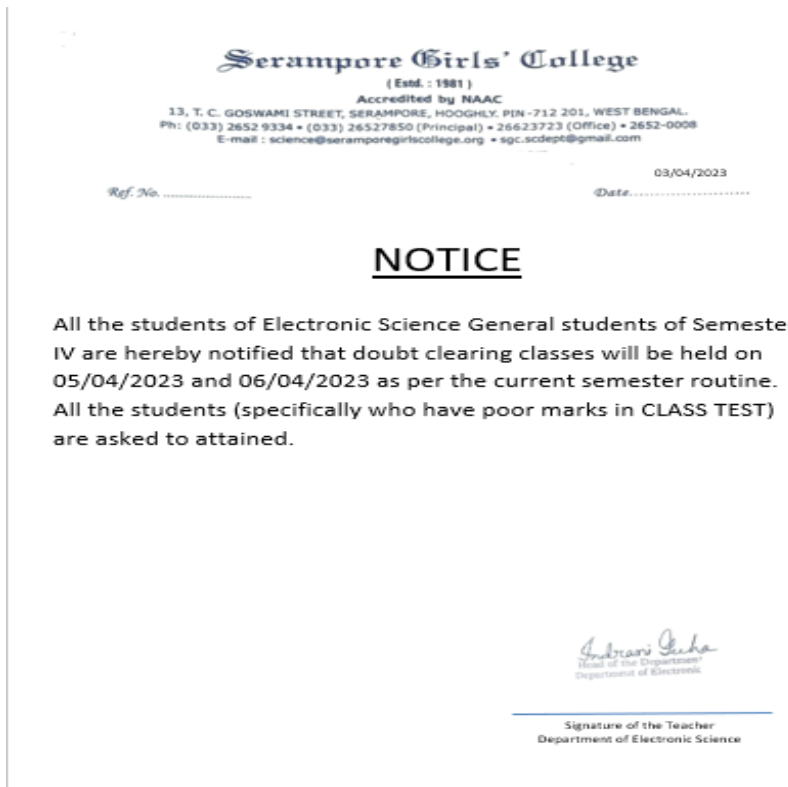
1. Answer the Questions:

Q3. What is meant by race around condition in flip-flops?  
Ans. For the J-K flip-flop, considering  $J=K=1$ . If the width of the clock pulse is too long, the state will keep on changing from 0 to 1, 1 to 0, 0 to 1 and so on. At the end the state will be uncertain. This phenomenon is known as race around condition.

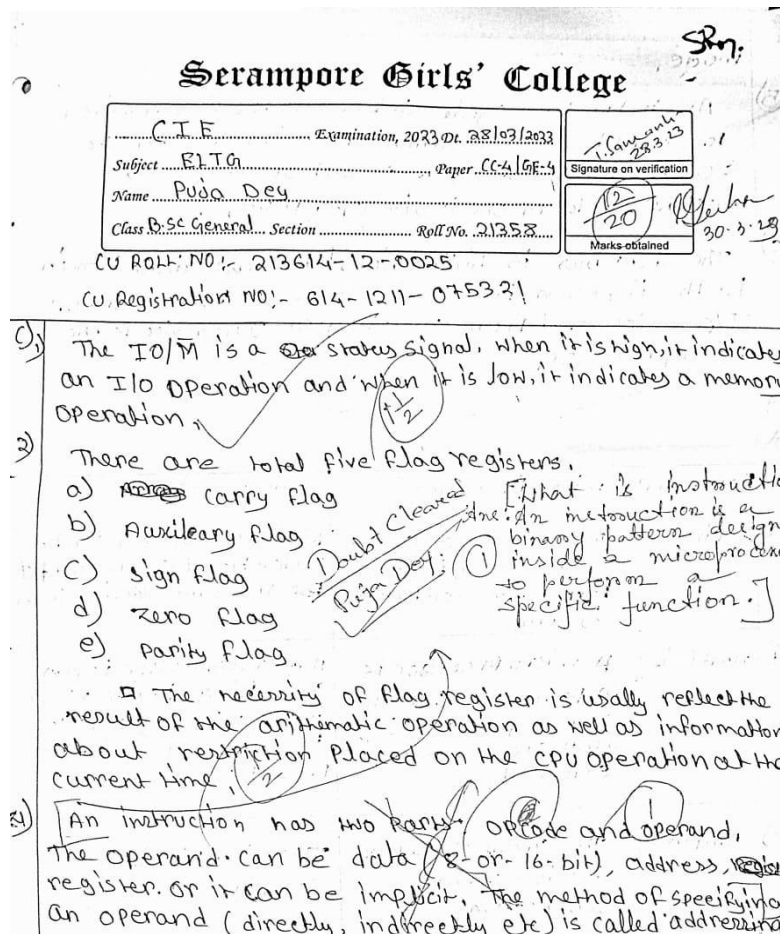
Q2. Which is the most versatile and most widely used of all the flip-flops?  
Ans. S-R flip-flop is the most versatile and most widely used of all the flip-flops. As S-R flip-flop is clocked S-R latch. S-R flip-flop has two inputs: set (S) and Reset (R).

Q6. Subtract  $(1011)_2$  from  $(1001)_2$  using 2's complement.  
Ans. 
$$\begin{array}{r} 1001 \\ -0111 \\ \hline 0100 \end{array}$$
  
$$\begin{array}{r} 0100 \\ +0100 \\ \hline 0100 \end{array}$$
  
Result = ?  
Doubt cleared  
Rajni Singh

# Semester IV



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## Parent Teacher Meeting

Session: 2022-2023

Odd Sem

### Serampore Girls' College

(Estd. : 1981)

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E-mail : science@seramporegirlscollege.org + sgc.scdept@gmail.com

Ref. No. ....

Date.. 25.9.2022

### NOTICE

Department of Electronic Science together with Dept. of computer science, Dept. of mathematics and Dept. of physics is going to organize a parent-teacher meeting on 28<sup>th</sup> September (Wednesday) as per following schedule. Students of B.Sc. 3<sup>rd</sup> and 5<sup>th</sup> Semester (Both Honours and General) are asked to join the above said meeting with their guardians.

Semester	Time
3 <sup>rd</sup> Sem Honours	11 a.m.
5 <sup>th</sup> Sem Honours	12 noon
3 <sup>rd</sup> and 5 <sup>th</sup> Semester General	2 p.m.

  
Head of the Department  
Department of Electronic Science


Signature of the Teacher  
Department of Electronic Science

Students of Semester 2 were present in the meeting with their guardian. Discussion about their studies was made through one-to-one communication.

## Student's Signature

**Serampore Girls' College**  
Departments Of Science  
Parent Teacher Meeting  
2022-23  
Date - 28/9/2022  
Sem 3 & Sem 5

Sl. No.	Students' Name	Roll No.	Signature and Contact Number of the Guardian
1.	Eksha Mibha	20306	1. Soma Mitra-8584071255
2.	Sohinee Sengupta	20311	2. Abhijit Sengupta 9873596095
3	Prakriti Banerjee	20308	Suyata Banerjee 9900549669
4	Sathi Som	20310	Kabita Som 8821527259
5	Panam Karmari	20309	Maucha Deb 8013983989
6.	Ekta Prasad	20305	Indrani Prasad
7.	Swati Panwar	20313	Nita Panwar
8.	Soma Deb	20312	Shampa Das 9874493784



**Serampore Girls' College**  
Departments Of Computer science  
Parent Teacher Meeting  
2022-23  
Date - 7/12/22

Sl. No.	Students' Name	Roll No.	Signature and Contact Number of the Guardian
1.	Lipika Maithi	21293	Srikanth Maithi
2	Shreyasi Das	21301	Ashwin Kumar Das 9051356037
3.	Riana Dutta	21302	Jayanti Dutta 7/12/22
4.	Prezoma Halder	21296	Ashima Halder 7/12/22
5.	Paulami Dutta	21295	Manousu Dutta 7.12.22
6.	Anjali Pal	21288	U-bon M N 994500236

## Report

### Report about Parent Teachers Meeting

**Department: Electronic Science**

**Session:2022-2023**

**Date: 28/09/2022**

**Semester: SEM 3 and SEM 5**

**Venue/mode: VB 6**

**Time:**

1. On the behalf of Department we have shown students' attendance (in %), CIE results and behaviour of students to Parents
2. We have taken feedback from parents about their daughters teaching learning and evaluation
3. Conclusion by HOD: Students of Semester 2 were present in the meeting with their guardian. Discussion about their studies was made through one to one communication.

*Indrani Deba*  
Head of the Department  
Department of Electronic

Sign of HOD and stamp

# Even Sem

## Serampore Girls' College

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E-mail : science@seramporegirlscollege.org • sgc.scdept@gmail.com

Ref. No. ....

16/05/2023

Date.....

### NOTICE

Dept. of Electronics have arranged a parent teacher meeting on 18<sup>th</sup> May, 2023 from 1 p.m. for all the students of B.Sc. (Gen) semester II. All the above mentioned students are asked to join the meeting at the said time with their guardian.

*Sourav*  
Principal  
Principal  
Serampore Girls' College  
Serampore, Hooghly

*Subhri Chak*  
Head of the Department  
Department of Electronic  
Science

Signature of the Teacher  
Department of Electronic Science

## Student's Signature



Serampore Girls' College  
Departments of Science (Electronic Science General)  
Parent Teacher Meeting  
2022-23  
Date - 18/05/2023

Sl. No.	Students' Name	Roll No.	Signature and Contact Number of the Guardian
1-	Rajni Singh	22051	Renu Devi Singh 8100428150

*Subhri*  
18/5/2023

# Report

## Report about Parent Teachers Meeting

Department: Electronic Science

Session:2022-2023

Date: 18/05/2023

Semester: SEM 2

Venue/mode: VB 6

Time: 1pm

1. On the behalf of Department we have shown students' attendance (in %), CIE results and behaviour of students to Parents
2. We have taken feedback from parents about their daughters teaching learning and evaluation
3. Conclusion by HOD: Students of Semester 2 were present in the meeting with their guardian. Discussion about their studies was made through one to one communication.

  
Head of the Department  
Department of Electronic

Sign of HOD and stamp

## Remedial class

Name of Department: Electronic Science Session:2022-2023

Date	Semester	Course	Number of students	Name Teacher taking class
12/12/2022	III	CC3/GE3	5	INDRANI GUHA
14/12/2022	III	CC3/GE3	5	INDRANI GUHA
15/5/2023	IV	CC4/GE4	1	INDRANI GUHA
17/5/2023	IV	CC4/GE4	1	INDRANI GUHA

*Indrani Guha*  
Head of the Department  
Department of Electronic

Sign of HOD and stamp

## Odd Sem (Semester III)

## Serampore Girls' College

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Ref. No. ....

Date: 10/12/2022

## NOTICE

Department of Computer Science, Electronic Science, Mathematics and Physics have arranged for remedial classes for the students who scored below 50% in the CIE1 and CIE2 as per following schedule:-

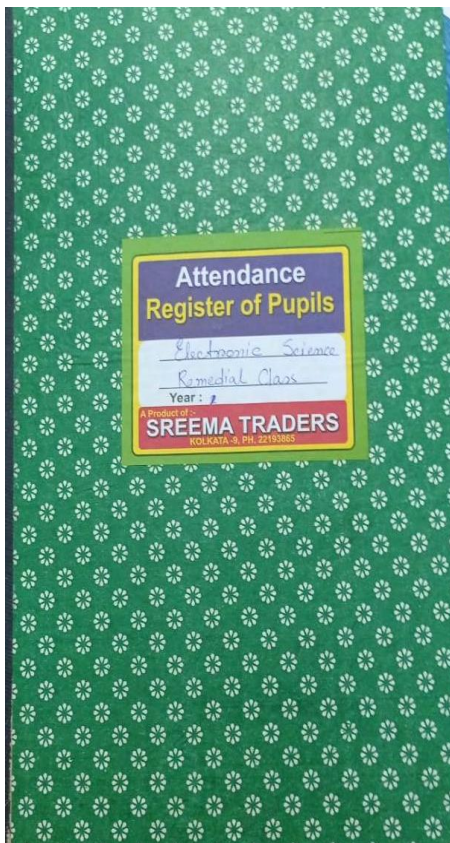
Department Name	Sem	Date	Time
Department of Computer Science	Sem - 3	12/12/2022&14/12/2022	11a.m. to 12noon
	Sem - 5	12/12/2022 & 14/12/2022	1p.m. to 2 p.m.
Department of Electronic Science	Sem - 3	12/12/2022 & 14/12/2022	1 p.m. to 2 p.m.
Department of Mathematics	Sem - 3	12/12/2022 & 14/12/2022	9:45 a.m. to 10:45 a.m.
	Sem - 5	13/12/2022 & 14/12/2022	3p.m. to 4 p.m.
Department of Physics	Sem- 3	12/12/2022 &13/12/2022	3 p.m. to 4 p.m.
	Sem - 5	12/12/2022 & 14/12/2022	9:45 a.m. to 10:45 a.m.

*Indrani Guha*  
Head of the Department  
Department of Electronic

Department of Electronic Science  
Serampore Girls' College



# Picture of Attendance Register



*3rd Sem*

**REGISTER OF ATTENDANCE FOR THE MONTH**

Sl. No.	Roll No.	NAME OF PUPILS	ATTENDANCE																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
21285		Arushi Pal	1	1																
21290		Divyanshu Bhadra	1	1																
21293		Nishita Nayak	1	1																
21299		Sanyukta Sanyal	1	1																
21358		Pooja Nayak	1	1																

**ATTENDANCE OF PUPILS** *Remedial*  
OF *December* 2022

Sl. No.	Roll No.	NAME OF PUPILS	ATTENDANCE																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

## Even Sem (Semester IV)

### Serampore Girls' College

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Ref. No. ....

Date.....

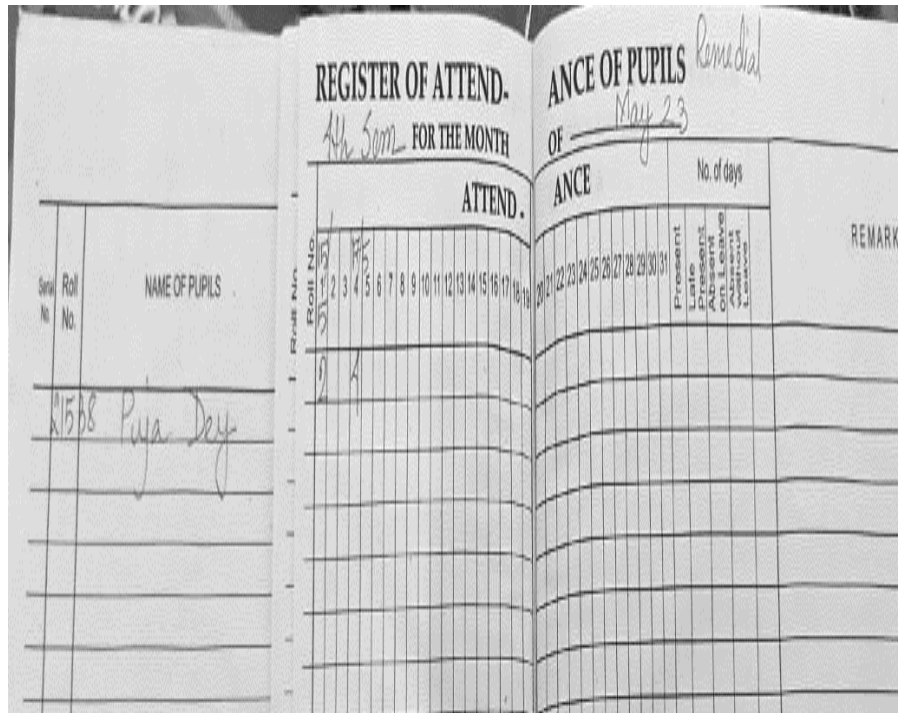
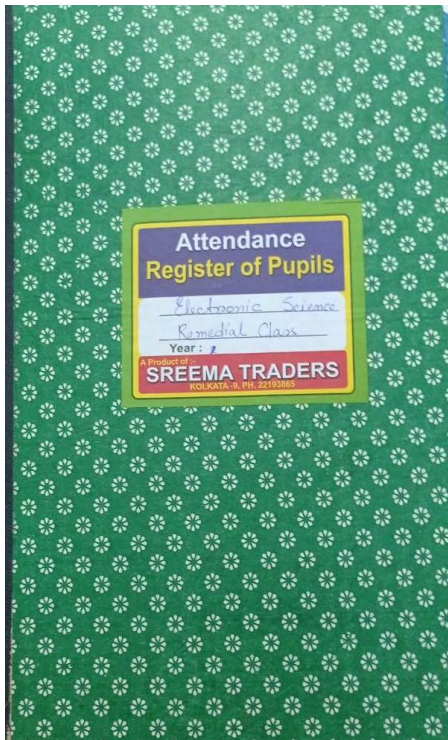
### NOTICE

All the students of B.Sc. Science Honors and General Semester – II, IV and VI are hereby notified that remedial classes of CMSA, CMSG, MTMG, ELTG and PHSG will be held from 15/5/2023 to 20/5/2023 as per the current semester routine. All the students (specifically who have poor marks in CIE I and CIE II) are asked to attain the classes positively.

*10/05/2023*

Signature of the Teacher  
Department of Science

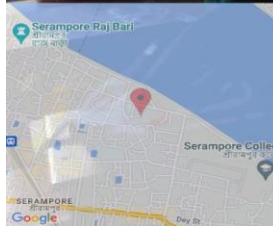
# Picture of Attendance Register



## ICT

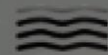
### Semester III

### Picture of Students



324A, Chatra, Serampore, West Bengal 742000, India

Hooghly  
West Bengal  
India



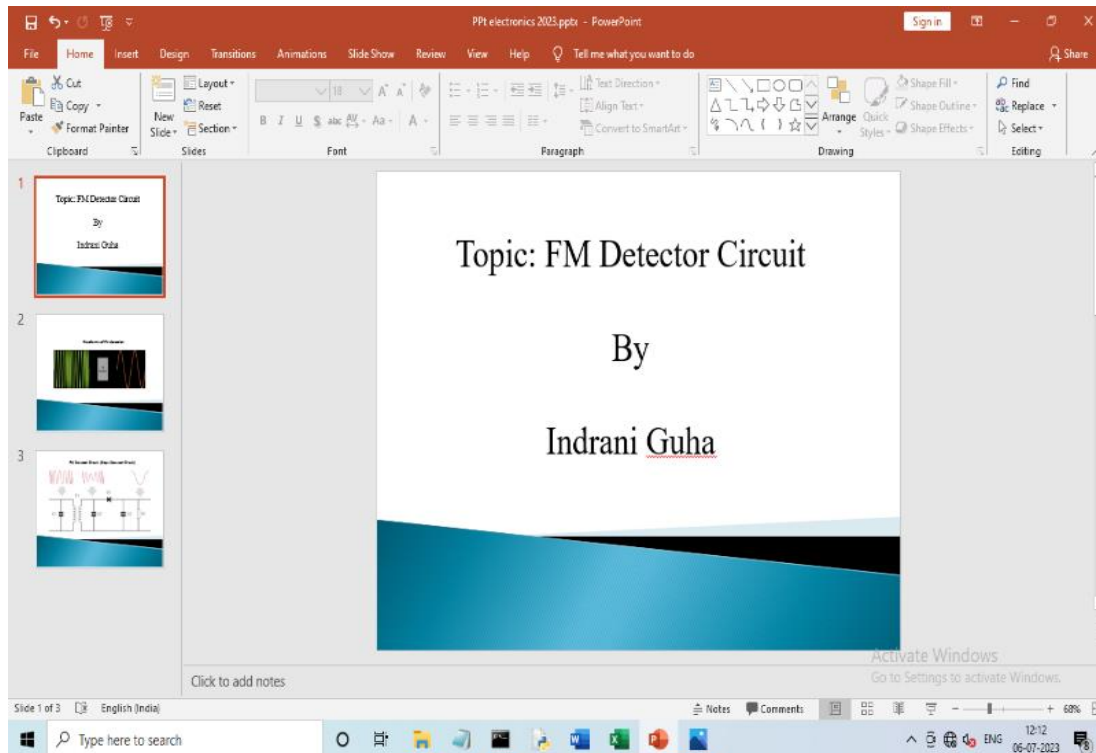
27°C

81°F

2023-03-20(Mon) 02:29(pm)

ICT: 2022-2023 Session; semester – III, Room No: VB 6, FM Detector Circuit, Date-20/3/2023

## Picture of PPT



ICT; 2022-2023 Session; semester – III, Room No: VB 6, FM Detector Circuit

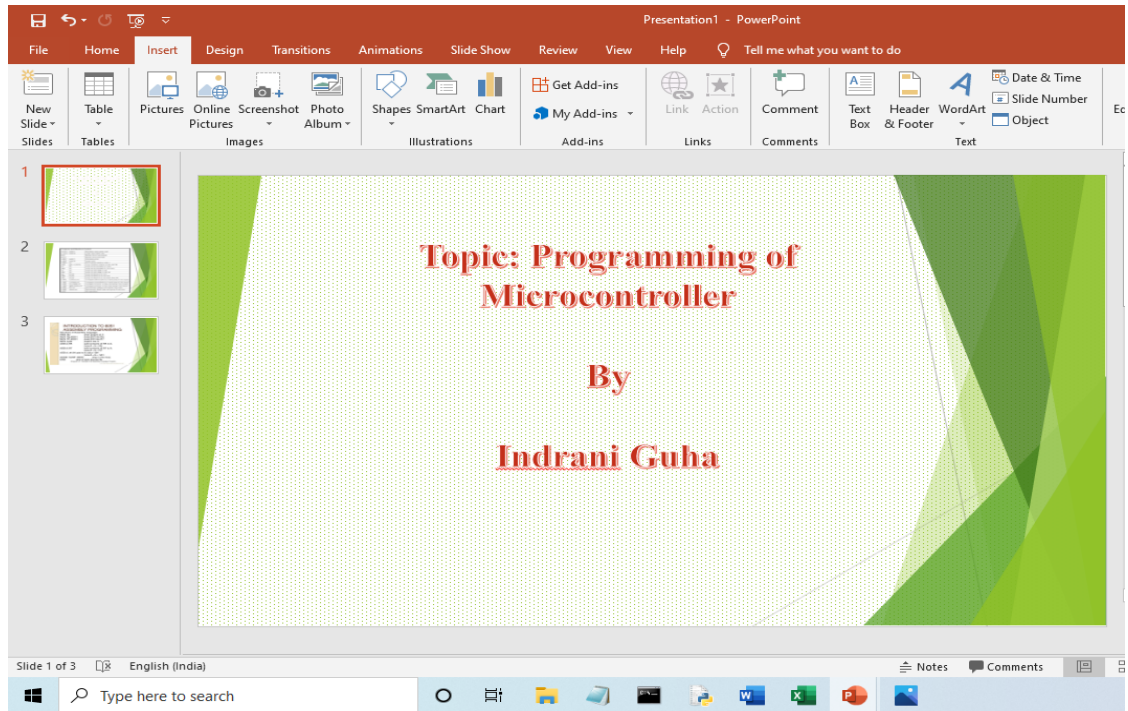
## Semester IV

## Picture of PPT



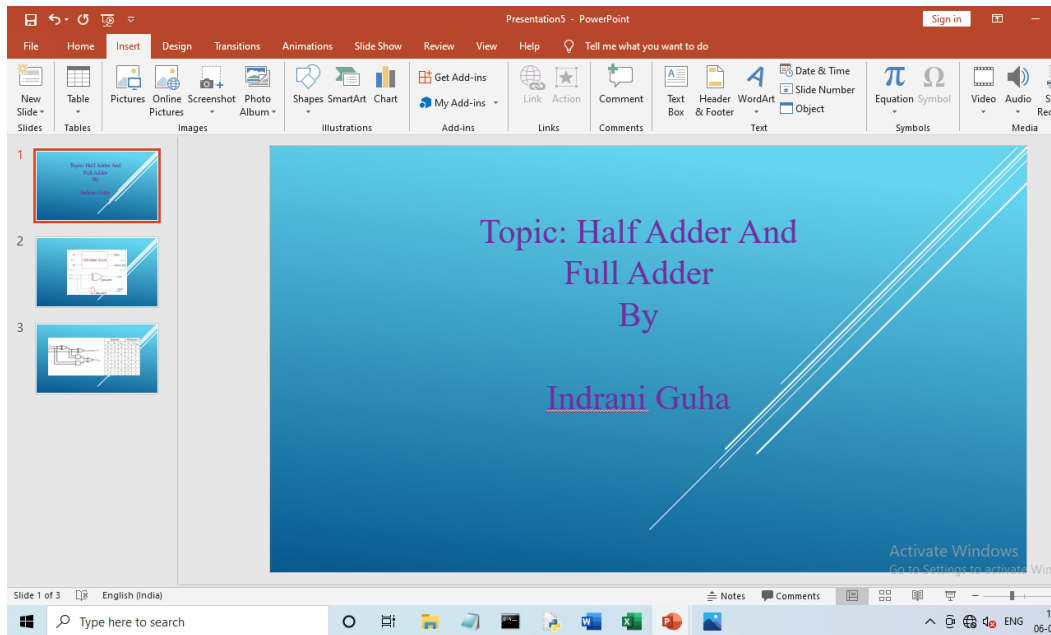
ICT; 2022-2023 Session; semester – IV, Room No: VB 6, Microcontroller Architecture

# Picture of PPT



ICT; 2022-2023 Session; semester – IV, Room No: VB 6, Programming of Microcontroller,  
Date: 22.04.2023

# Semester II

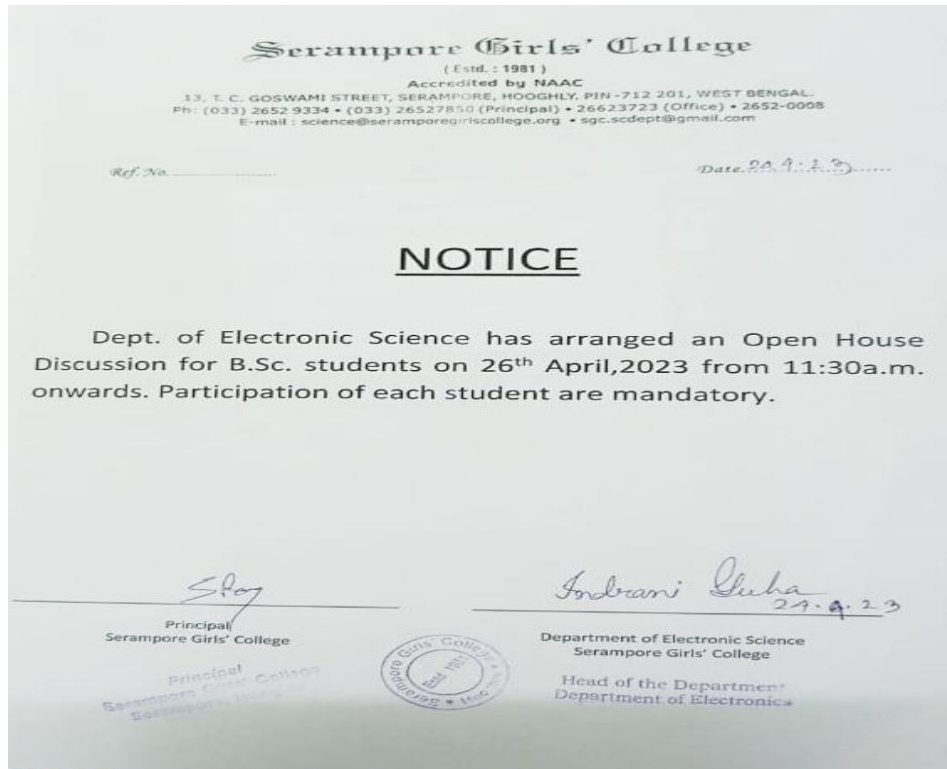


ICT; 2022-2023 Session; semester – II, Room No: VB 6, Half Adder and Full Adder, Date:14.03.2023



# Departmental Activities

## Open House Discussion




Open House Discussion; 2022-2023 Session; semester – II, IV

# Signature of Students

**Serampore Girls' College**  
Department :: Science  
Open House Program  
2022-23  
Date – 26.04.2023

Sl. No.	Students' Name	Roll No.	Mobile No.
1	Rishi Tiwari	21298	8910460241
2	Prasanna Halder	21296	9831649848
3	Megha Sen	21294	6291901029
4	Debanvita Chakraborty	21289	7489692329
5	Lipika Majhi	21293	9839836701842
6	Dipika Bhadra	21290	8910777279
7	Sanyukta Sandan	21299	8777248014
8	Sanita Dubey	20695	9836108388
9	Kiran Singh	20698	7489628547
10	Khusboo Kumari	20692	9008409121
11	Prity Kumari	20693	7139900144

*Maumita Ghosal* 26.4.23  
Teachers' Signature



## Report on Student centric method of teaching learning

Organising Department: ELECTRONIC SCIENCE

Academic Session: 2022-23

Report on ..... **Open House Discussion** ..... EVENT

Type of the Activity: Problem Solving Methodology

Objective of the Event : To discuss about the problems they faced for study.

Date: 26/04/2023

Time of the Event: 11:30 a.m.

Number of attendees: (a) Student (mention semester):

11 (Sem 2, 4)

(b) Teacher: 04

Venue: VB-6

Speakers (if any):

Outcome: Several Problems are pointed out through out the discussion.

*Indrani Debnath*  
Head of the Department  
Department of Electronic

# Quiz Contest



Quiz Contest: 2022-2023 Session: semester – II. IV



### Report format of Students centric method of teaching learning

Organising Department: ELECTRONIC SCIENCE

Academic Session: 2022-23

Report on .....QUIZ.....EVENT

Type of the Activity: Participative learning

Objective of the Event : To give some Enthusiasm for learning and increase knowledge of General Knowledge

Date: 26/04/2023

Time of the Event: 1:00 p.m. -3:00 p.m.

Number of attendees: (a) Student (mention semester):

10 (All Semester)

(b) Teacher: 04

Venue: VB-6

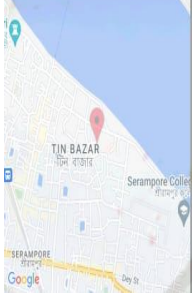
Speakers (if any) :

Outcome: Discussion about recent problems and their probable solutions.

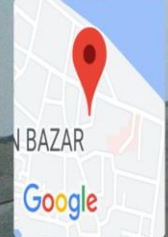
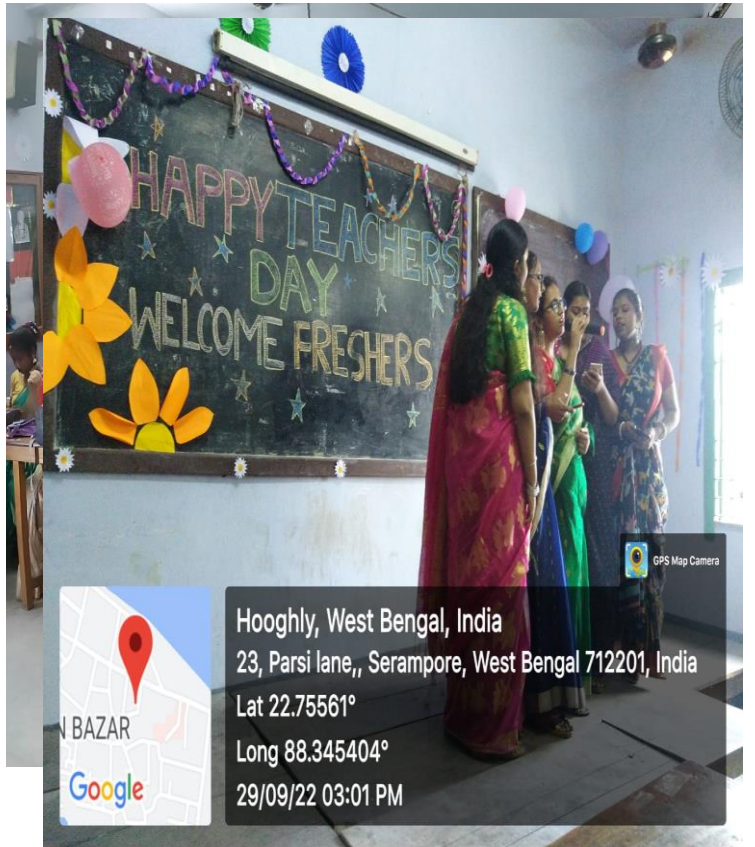
*Indrani Guha*  
Head of the Department  
Department of Electronic

## Teacher's Day





329B, Chatra, Serampore, West Bengal 742000, India  
Serampore  
West Bengal  
India  
33°C  
91°F  
2022-09-29(Thu) 12:54(pm)



Hooghly, West Bengal, India  
23, Parsi lane,, Serampore, West Bengal 712201, India  
Lat 22.75561°  
Long 88.345404°  
29/09/22 03:01 PM



# Report

## Fresher's Welcome and Teacher's Day Celebration

**Date:** 29/09/2022 **Time:** 12:00-3:30 p.m

**Venue:** VB-3

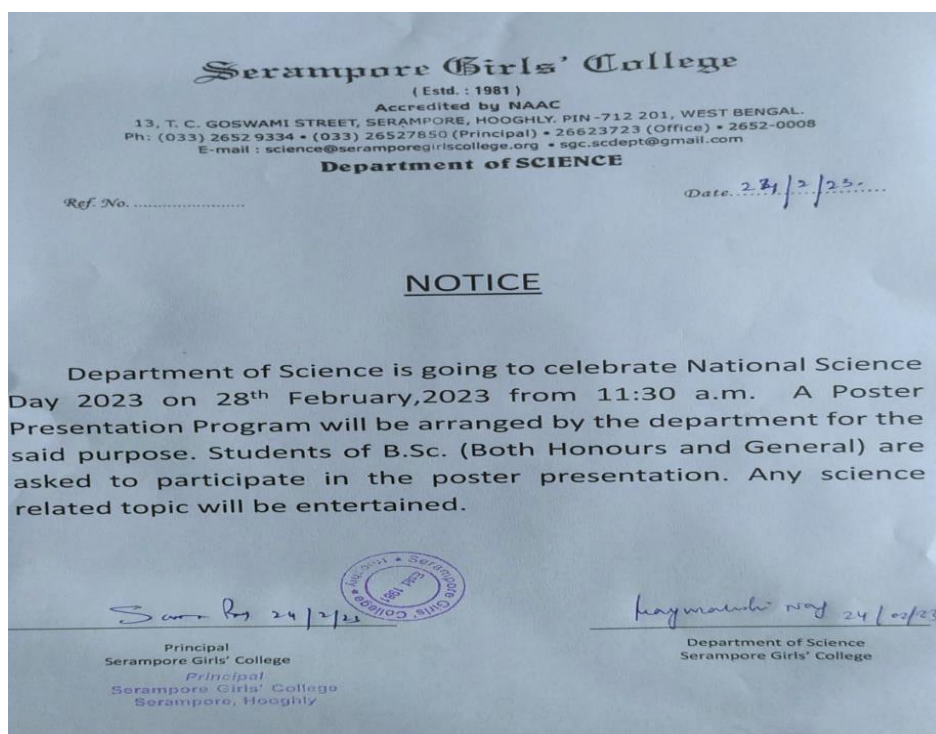
**Department:** Computer science, Mathematics, Physics, Electronic science, Botany, Zoology, Chemistry

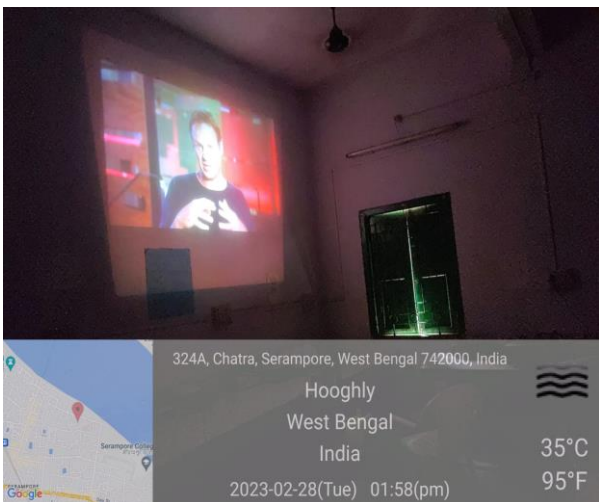
**Objective:** To welcome the new students of semester I.

**Number of attendees:** Student: 45 Teacher: 6

**Outcome:** It enhanced the relationship between all semester students.

## Science Day Celebration





## Serampore Girls' College

### Report on Celebration of Science Day, 2023

Date: 28/02/2023 Time: 11:30 a.m to 2:30 p.m

Venue: Room VB-6

**Objective:** To encourage students to learn more by heuristic approach about the modern developments and newer windows of scientific world and to make them realize how to make our lives easier by proper and safe utilization of those arsenals of technologies.

**Program Details:** Department of Sciences (Computer science, Mathematics, Physics, Chemistry, Electronic Science, Botany, Zoology) have planned and organized a 'Science Day' celebration on 28<sup>th</sup> of February, 2023. With the proper guidance of our honourable Principal Ma'am and collaborative participation of all the departments made this event fruitful on the very day. The event inaugurated by our honourable TCS and also members from cultural committee were present during the event. The inaugural song was presented by our beloved student Prakriti Banerjee and introductory speech was delivered by the student named Muskaan Sharma. Assistant Professor of History, Sk Riazul Midde described the specialty of the day. Two different talk was delivered by two speakers viz Mr. Anjan Goswami on 'Introduction to virtual reality and augmented reality' And Dr. Ipsita Chakraborty on 'Recent advances on chemistry: Green chemistry'. After that we had a poster presentation event by our enthusiastic students who showed really nice levels of ingenuity and thoughtfulness through their works. Dr. Sandip Majumdar, Mr. Anjan Goswami and Dr. Ananya Ali were the judges to evaluate the striking presentations among these new hopes. We are glad to mention that:

- 1) Prakriti Banerjee, from Computer Science department and
- 2) Lipika Soren of bio sciences' departments – worked markedly different that need to be mentioned. A token of acknowledgement to their hard work was offered to them.

It is worthy to be mentioned that our honourable Principal ma'am really made her valuable time out to visit our event and encourage the students. We felt really honoured and hoping for more better plan to work out in coming future for sure. At the end of the program a short video on artificial intelligence was shown to the students.

**Outcome:** We, the team of Departments of Sciences, were really flabbergasted by the immense response of our students to take part in the event. The newer age with shiny intelligence actually struck their mark for sure. We are quite hopeful for such future endeavours if our honourable college authority allows us to arrange the fruiting of such plans.

## **Strength of the Department**

- Special Attention to all students.
- Teachers are always very responsive.
- Student teacher ratio is very good.

## **Weakness of the department**

- Number of students in the department.
- Merits of the most of the students are not up to the mark.

