

Serampore
Girls'
College
Department
of Electronic
Science
Departmental
Report: 2025-
26

Number of Regular Students

Year	General Electronics
SEM 1	00
SEM 3	08

Total No. of students ----- 08

Number of the Teachers

SACT II	1
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Student Teacher Ratio:08:1

Class Routine of the department

Routine – Electronic Science (ODD semester) - (July-December)2025-26

SERAMPORE GIRLS' COLLEGE Routine –Science (EVEN semester)-2025-26 Department of Electronic Science

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						
	IV						
	VI						
Tuesday	II						
	IV						
	VI			MELT(CC7)(IG) VB 8	MELT(CC7)(IG) VB 8		
Wednesday	II						
	IV						
	VI		MELT(CC8)(IG) VB 8	MELT(CC8)(IG) VB 8			
Thursday	II						
	IV						
	VI		MELT(CC7)(IG) VB 8	MELT(CC7)(IG) VB 8			
Friday	II						
	IV						
	VI				MELT(CC8)(IG) VB 8	MELT(CC8)(IG) VB 8	
Saturday Preparatory Day							

Total Number of Classes: 08 (Electronic science)
IG: Indrani Guha (SACT)

Class Routine of the department

Serampore Girls' College Routine –Electronic Science (EVEN semester) (January-June, 2026)-2025-2026

Serampore Girls' College
Routine –Electronic Science (ODD semester)-2025-26(July-December, 2025)

Day	SE M	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		CMSM DSCC(IG) VB 8	CMSM DSCC(IG) VB 8			
	II						
	V						
Tuesday	I			CMSM DSCC(IG) VB 8			
	II				CMSM(IG) VB 8	CMSM(IG) VB 8	
	V		MELT CC(IG) VB 8				
Wednesday	I		CMSM DSCC(IG) VB 8	IDC ELTD (IG) VB 8			
	II						
	V						
Thursday	I					IDC ELTD (IG) VB 8 IDC PHSD (SM)	
	II						
	V		MELT-MN3(IG) VB 8	MELT-MN3(IG) VB 8	MELT-CC6(IG) VB 8		
Friday	I						
	II						
	V			MELT-MN3(IG) VB 8	MELT-MN4(IG) VB 8		

Total No. of Classes: 14 (Including CMSM and Electronic general)
CMSM: 06. ElectronicGeneral: 08. IG- Indrani Guha

Indrani Guha
Head of the Department

Total number of classes: 14 (IG) (Including CMSM and Electronic Science)

Teaching- Learning Method

Continuous internal Assessment:

CIE Routine

Serampore Girls' College					
B.A/B.Sc CIE- Examination, 2025 (4 year/3 year)					
SEM-I and V					
Date	SEM	10:30-11:30 a.m.	12:00-1:00 p.m.	1:30-2:30 p.m.	3:00-4:00 p.m.
29/12/25 Wednesday	I	MAJOR SSC: History, Education, Philosophy, Sanskrit, , Geography, Comp. Sc, Bengali, English, Pol.Sc	MAJOR MN 1: Physics, Economics, Pol. Sc, English, Sanskrit,		
			MDC SUB 2: Bengali, Hindi, Urdu, English, Sanskrit, Pol. Sc, Economics, Physics, Zoology		
	V		MAJOR DSCC 11 History, Education, Philosophy, Sanskrit, , Geography, Comp. Sc, Bengali, English, Pol.Sc	MAJOR MN 4: Philosophy, Education, Music, Sanskrit, History, Geography, Sociology, Pol. Sc, Hindi, Urdu, Economics, Physics, Electronics	MAJOR DSCC 12 History, Education, Philosophy, Sanskrit, , Geography, Comp. Sc, Bengali, English, Pol.Sc
		MDC Sub 1 CC7: History, Education, Sociology, Philosophy, Sanskrit, Music, Phy. Edu, Geography, Botany, Chemistry, Comp. Sc		MDC Minor CC4: History, Education, Sociology, Philosophy, Sanskrit, Pol. Sc, Economics, Geography, Chemistry, Mathematics	

Sum Rm 29/12/25

Principal
Serampore Girls' College
Serampore, Hooghly

harymahali 29/12/25
Convener, Routine Committee
Serampore Girls' College

Serampore Girls' College					
B.A/B.Sc CIE- Examination, December, 2025 (4 year/3 year)					
SEM-I and V					
Date	SEM	10:30-11:30 a.m.	12:00-1:00 p.m.	1:30-2:30 p.m.	3:00-4:00 p.m.
09/12/25 Tuesday	I	MAJOR DSCC 1: History, Education, Philosophy, Sanskrit, , Geography, Comp. Sc, Bengali, English, Pol.Sc	MAJOR MN 4: Philosophy, Education, Music, History,		
			MDC SUB 1: History, education, sociology, philosophy, Music, Phy. Edu, Botany, geography		
	V	MAJOR DSCC 9 History, Education, Philosophy, Sanskrit, , Geography, Comp. Sc, Bengali, English, Pol.Sc		MAJOR MN 3: Philosophy, Education, Music, Sanskrit, History, Geography, Sociology, Pol. Sc, Hindi, Urdu, Economics, Physics, Electronics	MAJOR DSCC 10 History, Education, Philosophy, Sanskrit, , Geography, Comp. Sc, Bengali, English, Pol.Sc
		MDC Sub 1 CC6: History, Education, Sociology, Philosophy, Sanskrit, Music, Phy. Edu, Geography, Botany, Chemistry, Comp. Sc	MDC SUB 2 CC6: Sanskrit, Pol. Sc, Phy. Edu, Bengali, Hindi, Urdu, Economics, English, Zoology, Physics, Electronics	MDC Minor CC3: History, Education, Sociology, Philosophy, Sanskrit, Pol. Sc, Economics, Geography, Chemistry, mathematics	

Sum Rm 29/12/25

Principal
Serampore Girls' College
Serampore, Hooghly

harymahali 29/12/25
Convener, Routine Committee
Serampore Girls' College

ODD SEM (Semester III) Question Paper

SERAMAMPORE GIRLS COLLEGE
1st Continuous Internal Evaluation (CIE) exam 2025

Subject: MELT (Minor) Semester: III
Paper Name: Microprocessor and Microcontroller
Paper Code: MN-3

Total Marks: 20

Answer any 5 questions.

5x4

1. How microcontroller is different from microprocessor?
2. Draw the block diagram of 8051 microcontroller with neat labeling of the different blocks.
3. Explain the role of PSW and Flag registers of 8085.
4. What are the different control signals in 8085? Explain.
5. What are the different types of memory in 8051?
6. What are the different registers pairs in 8085?

Result

[illegible]

ODD SEM (Semester III)

Question Paper

SERAMAMPORE GIRLS COLLEGE
1st Continuous Internal Evaluation (CIE) exam 2025
Subject: MELT (Minor) *Communication Devices* Semester: III
Paper Name: Microprocessor and Microcontroller
Paper Code: MN-4

Total Marks: 20

Answer any 10 questions.

1. What is the need for communication?
2. What is the modulation index for AM?
3. What is Shot noise?
4. What do you mean by base band signal and carrier signal?
5. What is amplitude modulation?
6. What is noise?
7. What is cross talk?
8. What do you mean by Signal to Noise Ratio?
9. Describe the different modes of radio wave propagation.
10. What do you mean by Full Duplex mode?
11. What is Thermal Noise?

Result

[illegible]

Doubt Clearing Session

Notice

Serampore Girls' College
(Est. 1981)
Accredited by NAAC
17, T. C. GOWDAMI STREET, SERAMPORE, HOOGHLY, PIN-712 201, WEST BENGAL.
Ph: (033) 2652 7334 • (033) 2652 7650 (H/Instn) • 2652 3723 (Office) • 2652-0008
E-mail: science@seramporegirlscollege.org • sgc.eduwbt@gmail.com

Ref. No. _____ Date: 12/12/25

NOTICE
Doubt Clearing Session

All the students of Electronic Science Minor of Semester V are hereby notified that doubt clearing classes will be held on as per the current semester routine. All the students (specifically who have poor marks in ~~CLASS TEST~~ ^{C.T.E}) are asked to attend the classes. Schedule of Classes will be given below.

Sl. No	Date	Time	Paper
1	18/12/2025	10.45-11.45	MN 3
2	24/12/2025	11.45-12.45	MN 4

Signature of the Principal: *Shyama*
Principal
Serampore Girls' College
Serampore, Hooghly

Signature of the Teacher: *Indrani Guha*
Department of Electronic Science
Head of the Department
Department of Electronics

Attendance Sheet

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF ELECTRONIC SCIENCE
SHEET FOR DOUBT CLEARANCE
Continuous Internal Assessment (Year- 2025)

Semester: V Subject: Electronic Science
Paper: MN-3 Date of Exam: 7/12/2025

Sr. No	College Roll	Signature of the Student	Doubt/Questions	Teacher's Remark
1.	23059	Smita Saha	Doubt cleared	Doubt Cleared
2.	23061	Purbati Majumdar	Doubt cleared	✓
3.	23055	Lipika Ray	doubt cleared	✓
4.	23058	Kusumita Ghosh	Doubt cleared	✓
5.				

Signature of the Examiner with Date: *Indrani Guha* 12/12/25

SERAMPORE GIRLS' COLLEGE
DEPARTMENT OF ELECTRONIC SCIENCE
SHEET FOR DOUBT CLEARANCE
Continuous Internal Assessment (Year- 2025)

Semester: V Subject: Electronic Science
Paper: MN-4 Date of Exam: 10/12/2025

Sr. No	College Roll	Signature of the Student	Doubt/Questions	Teacher's Remark
1.	23059	Smita Saha	Doubt cleared	Doubt Cleared
2.	23061	Purbati Majumdar	Doubt cleared	✓
3.	23055	Lipika Ray	Doubt cleared	✓
4.	23058	Kusumita Ghosh	Doubt cleared	✓
5.				

Signature of the Examiner with Date: *Indrani Guha* 24/12/25

Parent Teacher Meeting

Notice

Serampore Girls' College
(ESTD - 1981)
Accredited by NAAC
13, T. C. GOSWAMI STREET, SERAMPORE, HOOGLY PIN-753 201, WEST BENGAL.
Ph: (033) 2652-9334 • (033) 26527100 (Principal) • 26627773 (Office) • 2652-0008
E-mail: sgc@seramporegirlscollege.org • info@seramporegirlscollege.org

Ref. No. _____ Date: _____

NOTICE

Parent Teacher Meeting

Department of Computer Science, Physics and Electronic Science are going to organize a parent-teacher meeting on 21st January (Wednesday), 2026 from 1:00 p.m. Students of 1st Semester are asked to join the above said meeting with their guardians.

Suman K. Ghosh
Principal
Serampore Girls' College
Hooghly, West Bengal

Indrani Guha 21/1/26
Head of the Department
Faculty of Science
Department of Electronics
Serampore Girls' College

Attendance Sheet

Serampore Girls' College
Departments Of Electronic Science
Parent Teacher Meeting
2025-26
Date - 21/1/26

Students' Name	Roll No.	Signature and Contact Number of the Guardian
Madhurima Koley	25362	Anima Koley
Meenakshi Pal	25191	Gopa Paul
Anjali Akter	25014	Lakshmi Roy
Seemai Das	25363	Sudha Mojee Das
Mahamata Bhowmik	25016	Kedarnath Bhowmik

Indrani Guha 21/1/26
Head of the Department
Department of Electronics

Sample Pictures



Students of Semester 1 were present in the meeting with their guardian. Discussion about their studies was made through one-to-one communication.

Report

Report of Parent Teacher's Meeting

Session: 2025-2026

Event Type: Parent's Teacher's Meet

Event Date: 21 /01/2026

Room No.: Library Hall

Semester: 1

Department: Computer Science, Physics, Mathematics and Electronic Science

Attendance: 5

Objective: To discuss about the problems, they faced in collage.

Brief Description: Students of semester 1 were present in the meeting with their guardian.

Outcome: Several problems are pointed out throughout the discussion.

Indrani Guha
Head of the Department
Department of Electronic

Signature of HOD

ICT

ICT Classes



Asynchronous Counter

Asynchronous counters, also known as ripple counters, are digital circuits that count pulses without a common clock signal for all flip-flops. The main types include ripple up counters and ripple down counters.

Asynchronous counters: the flip-flops do not change states at exactly the same time as they do not have a common clock pulse.

▫ Also known as ripple counters, as the input clock pulse "ripples" through the counter - cumulative delay is a drawback.

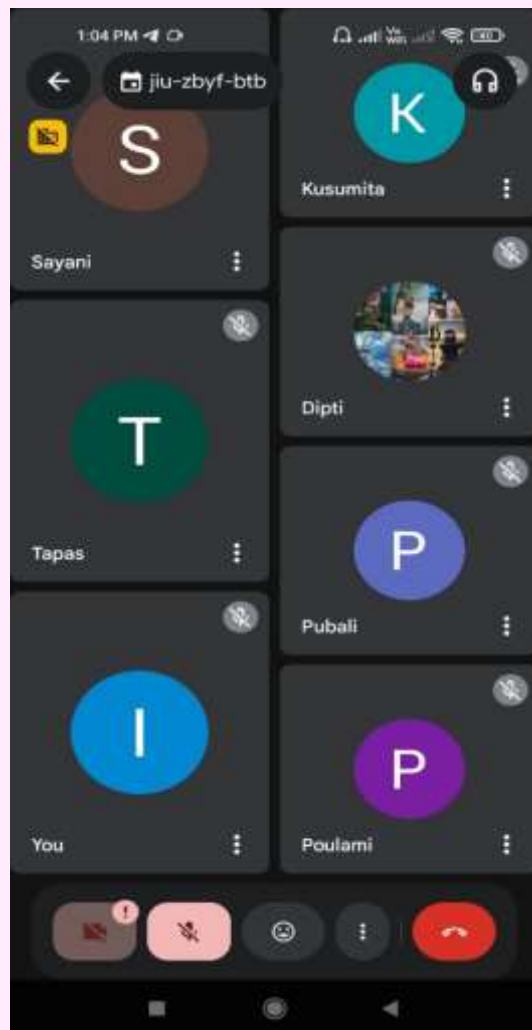
▫ n flip-flops $\Rightarrow$ a MOD (modulus) 2^n counter. (Note: A MOD- x counter cycles through x states.)

▫ Output of the last flip-flop (MSB) divides the input clock frequency by the MOD number of the counter, hence a counter is also a frequency divider.

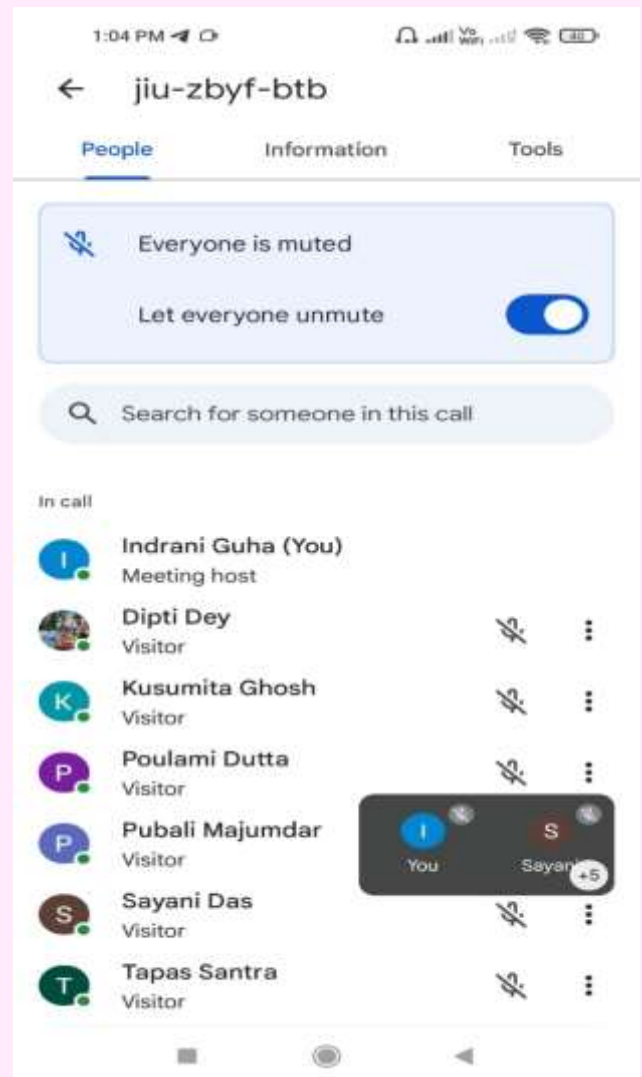
ICT Class; Session: 2025-2026, semester – I, Room: VB 6,

Topic: Asynchronous Counter, Date-23/03/2026

Online Class



5



**Online Class; Session: 2025-2026; Semester – IV,
Mode: Google Meet, Topic: Microprocessor**

Report

Report of Open House Program

Session: 2025-2026

Event Type: Open House Program

Event Date: 06 /05/2025

Room No.: VB-6

Semester: 10

Department: Computer Science, Physics, Mathematics and Electronic Science

Attendance: 7

Objective: To discuss about the problems, they faced in college.

Brief Description: Students of semester 2 were present in the meeting with their guardian.

Outcome: Several problems are pointed out throughout the discussion.

Indrani Guha
Head of the Department
Department of Electronic

Signature of HOD

Teacher's Day Celebration



Teachers Day and Freshers Welcome **Date:**23/12/2025 **Semester:** SEM I, III
Venue/mode: NB-21 **Time:** 11:00-3.00 am

Report on Fresher's Welcome and Teachers Day Celebration

Report of Teacher's Day and Fresher's Welcome

Session: 2025-2026

Event Type: Teacher's Day and Fresher's Welcome

Event Date: 23/12/2025

Room No.: NB-21

Semester: I, III

Department: Computer Science, Physics, Mathematics and Electronic Science

Attendance: 40

Objective: To welcome new students of semester I and celebrate Teacher's Day.

Brief Description: Students of semester I, III were present in the event with their guardian.

Outcome: Fostering a culture of respect and appreciation for teachers and making a good relation between students of different semester.

Indrani Guha
Head of the Department
Department of Electronic

Signature of HOD

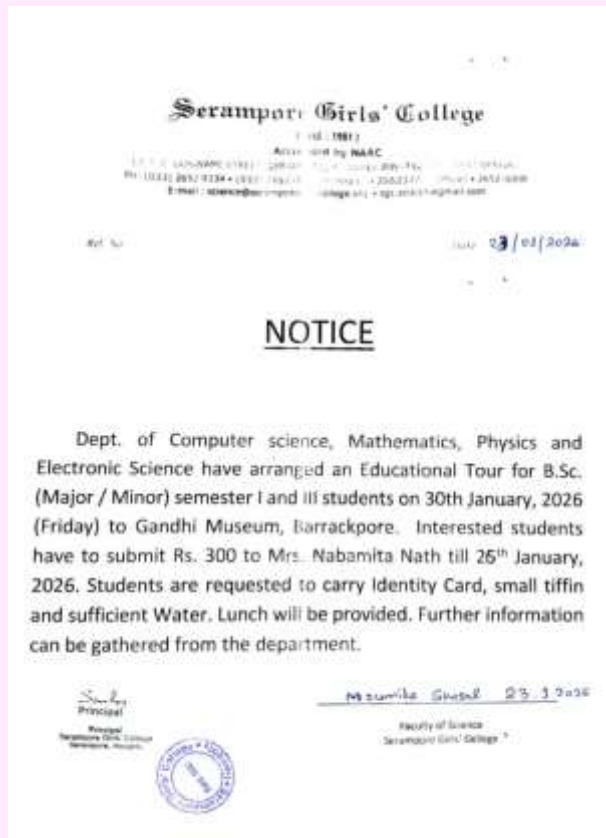
Educational Tour

Sample Pictures

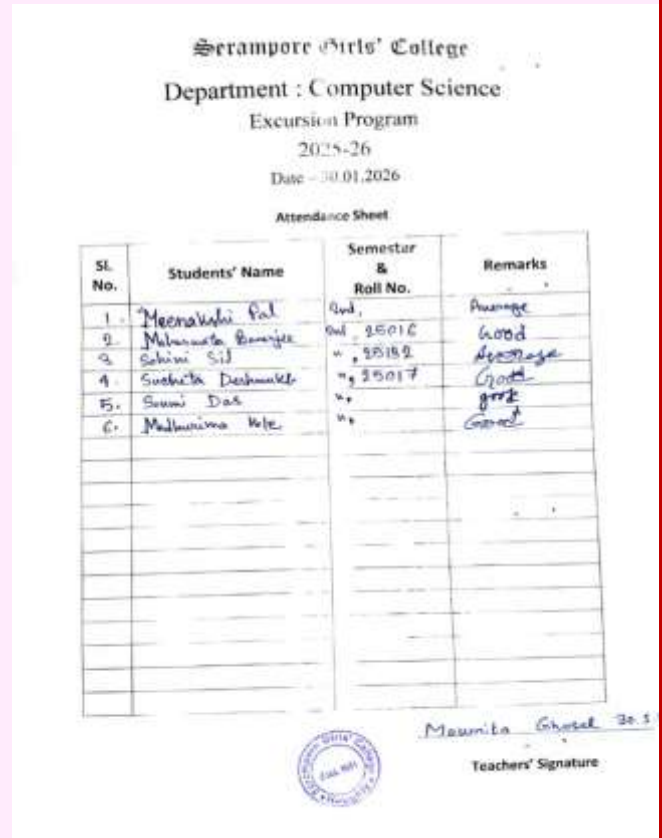


Educational Tour Date: 30/01/2026 **Semester:** SEM I **Venue/mode:** Gandhi Museum **Time:** 11:00-3.00 am

Notice



Students Attendance



Report

Report of Educational Tour

Session: 2025-2026

Event Type: Educational Tour

Event Date: 30/01/2026

Venue: Gandhi Museum

Semester: I

Department: Computer Science, Physics, Mathematics and Electronic Science

Attendance: 06

Objective: To welcome new students of semester I and celebrate Teacher's Day.

Brief Description: Department of Computer Science, Physics, Mathematics and Electronic Science arranged the tour in Gandhi Museum in barrackpore on 30/01/2026. Students of semester I were present.

Outcome: The tour provides an excellent opportunity for students to learn gain practical knowledge outside the classroom setting and they can apply it in real life situations.

Indrani Guha
Head of the Department
Department of Electronic

Signature of HOD

Student's Participation in different Activities

Inter College Competition



Inter College Competition ; Session: 2025-2026, Date: 17/12/2025 , Semester: SEM I

Venue/mode: NB 8

Time: 10AM-3PM

Number of attendees: 1, Dance Competition Category : Folk

1, Music Competition Category : Rabindra Sangeet

Participants: Mahasweta Banerjee (Sem-1, Roll – 25016) and Sucheta Deshmukh (sem 1)

Mahasweta Banerjee got 1st Position in Rabindra Sangeet

Student's Participation in Seminar in Agrasain College



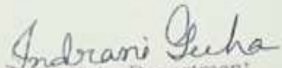
12 Students of Semester 3 attended one day State level Seminar on AI-for Social Sustainability arranged by Shree Agrasain College on 16/12/2025 along with Departmental Teacher.

Strength of the Department

- Special Attention to all students.
- Teachers are always very responsive.
- Student teacher ratio is very good.
- Laboratory set up is good. All instruments are present.
- Students can practice according to their need.

Weakness of the Department

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



Indrani Guha
Head of the Department
Department of Electronic

Department of Electronic Science

THANK
YOU

