

# SERAMPORE GIRLS' COLLEGE

## Report of Department : Computer Science

Session – 2020-2021

### 1. No of Students in the department :

Year	Honours	General
SEM 1	09	02
SEM 2	09	02
SEM 3	08	Nil
SEM 4	08	Nil
SEM 5	08	02
SEM 6	08	02

Total No. of Students : 29

### 2. No. of Teachers

Full Time	SACT – I	SACT – II	TOTAL
		01	01

Guest Teacher – 01

Dr. Mayurakshi Nag from Dept. of Mathematics and Indrani Guha from Dept. of Electronic science take classes.

### 3. Student- Teacher ratio : 29 : 4

4. **Class Routine of the department for the academic session 2020-21 (odd Sem)**

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
MON	IH	CMSA	CMSA				
	IG						
	IIIH			CMSA			
	IIIG	CMSG					
	VH	CMSA	CMSA		CMSA	CMSA	
	VG						
TUE	IH		CMSA	CMSA			
	IG		CMSG				
	IIIH	CMSA		CMSA			
	IIIG						
	VH					CMSA	
	VG						
WED	IH	CMSA			CMSA		
	IG						
	IIIH	CMSA	CMSA				
	IIIG						
	VH			CMSA		CMSA	
	VG			CMSG			
THURS	IH	CMSA	CMSA		CMSA		
	IG	CMSG					
	IIIH			CMSA			
	IIIG	CMSA					
	VH				CMSA	CMSA	
	VG						
FRI	IH			CMSA	CMSA		
	IG	CMSG					
	IIIH	CMSA		CMSA			
	IIIG						
	VH		CMSA		CMSA	CMSA	
	VG			CMSA			
SAT	IH	CMSA					
	IG	CMSG					
	IIIH	CMSA	CMSA				
	IIIG						
	VH			CMSA	CMSA	CMSA	
	VG			CMSG			

MG -20 (Hons & Gen)

IG- 14 (Hons & Gen)

MN – 18 (Hons & Gen)

AG- 08(Hons & Gen)

**Class Routine of the department for the academic session 2020-21 (Even Sem)**

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
MON	IIH	CMSA	CMSA				
	IIG						
	IVH			CMSA			
	IVG	CMSG					
	VIH	CMSA	CMSA		CMSA	CMSA	
	VIG						
TUE	IIH		CMSA	CMSA			
	IIG		CMSG				
	IVH	CMSA		CMSA			
	IVG						
	VIH					CMSA	
	VIG						
WED	IIH	CMSA			CMSA		
	IIG						
	IVH	CMSA	CMSA				
	IVG						
	VIH			CMSA		CMSA	
	VIG			CMSG			
THURS	IIH	CMSA	CMSA		CMSA		
	IIG	CMSG					
	IVH			CMSA			
	IVG	CMSA					
	VIH				CMSA	CMSA	
	VIG						

FRI	IIH			CMSA	CMSA		
	IIG	CMSG					
	IVH	CMSA		CMSA			
	IVG						
	VIH		CMSA		CMSA	CMSA	
	VIG			CMSA			
SAT	IIH	CMSA					
	IIG	CMSG					
	IVH	CMSA	CMSA				
	IVG						
	VIH			CMSA	CMSA	CMSA	
	VIG			CMSG			

## 5. Parent Teacher Meeting

**Serampore Girls' College**  
 (Estd.: 1981)  
 Accredited by NAAC  
 13, T. C. GOSWAMI STREET, SERAMPORE, HOOGHLY, PIN -712 201, WEST BENGAL.  
 Ph: (033) 2652-9334 • (033) 26527850 (Principal) • 26623723 (Office) • 2652-0008  
 E-mail : science@seramporegirlscollege.org • sjc.scdept@gmail.com  
**Department of SCIENCE**

Ref. No. ....

Date: .....

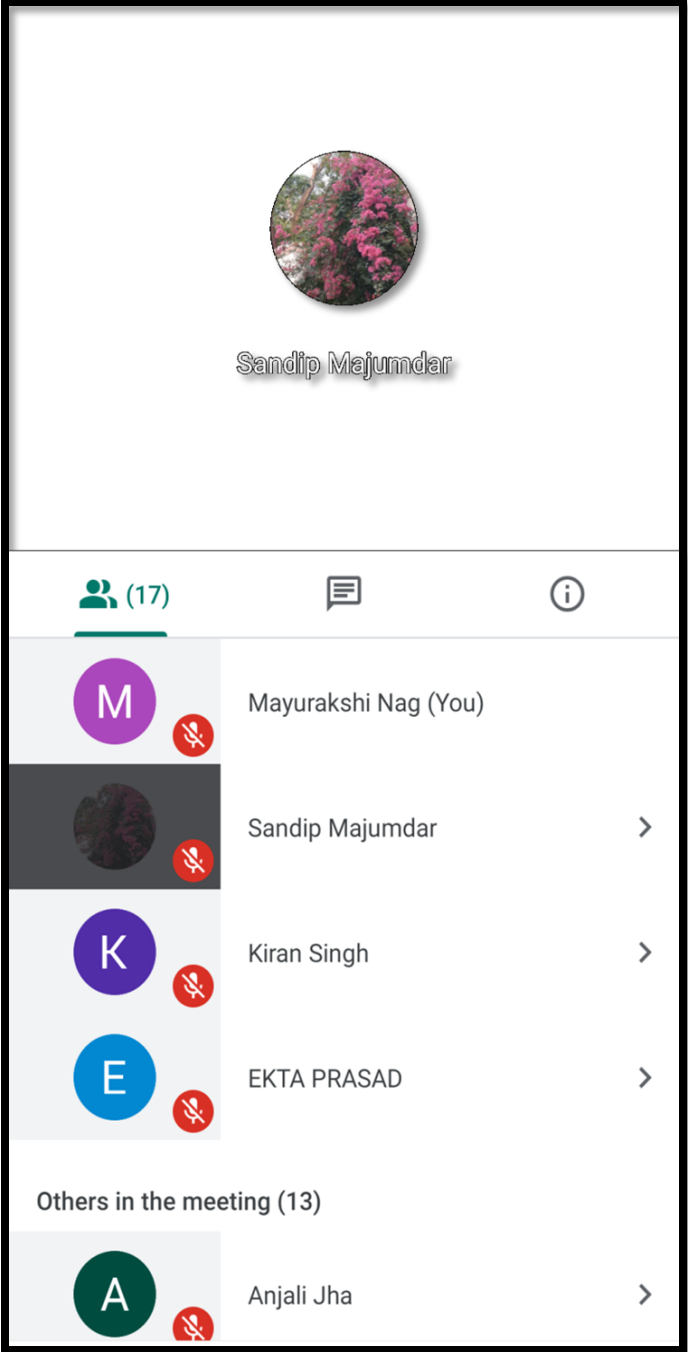
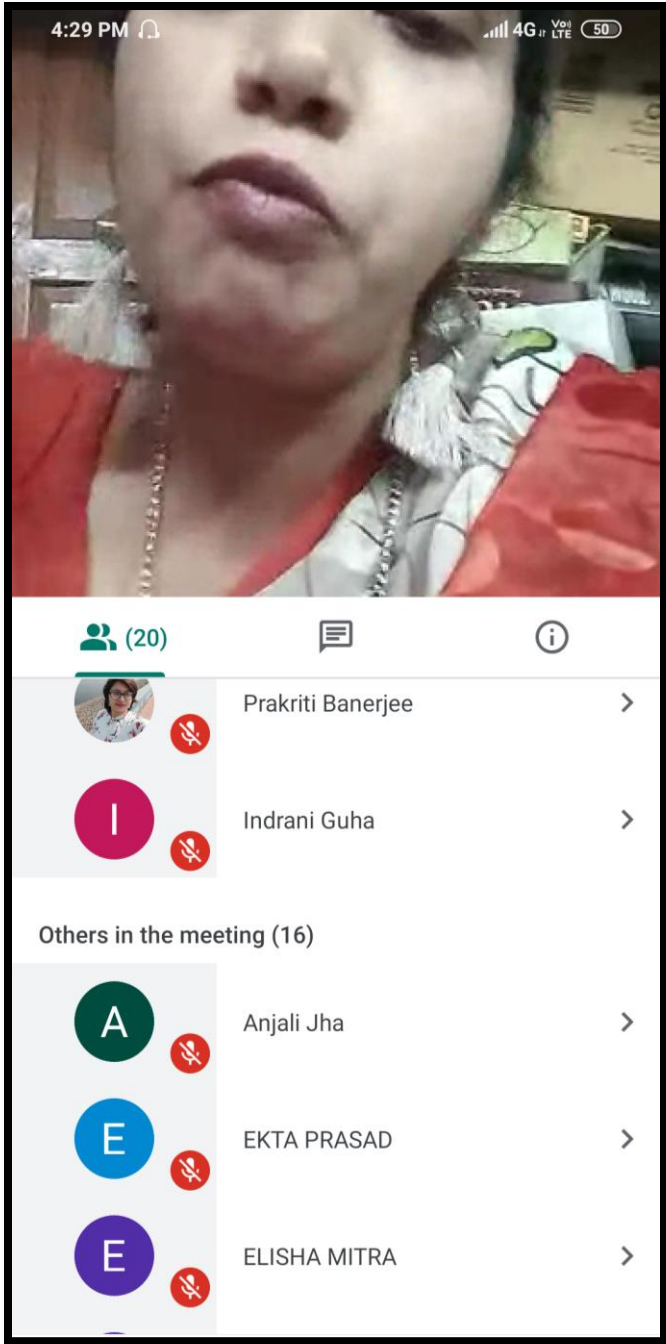
Date: 01.06.2021

### **NOTICE**

All Students of semester –II and IV are hereby notified that the department of science has arranged a parent teacher meeting on 7<sup>th</sup> June, 2021 from 4 p.m. The meeting will be on Google Meet platform. All the above mentioned students are asked to join the meeting at the said time with their guardian. Meeting link will be provided on the day.



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**Educational Tour**

**NIL**

## Mentoring:

NIL

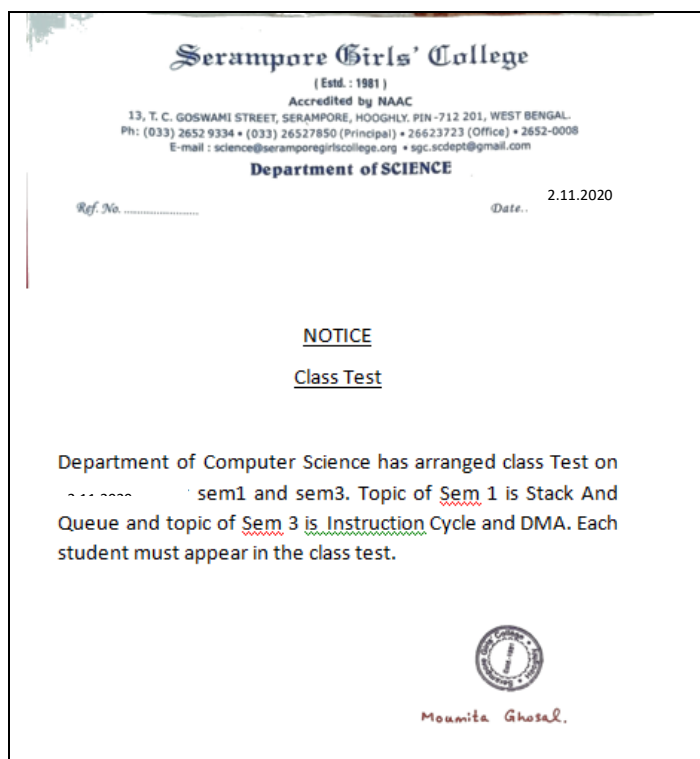
Discipline related co-curricular activities: No

Contribution of the department for other students of the college: NIL

## 6. Continuous Internal Assessment

In CBCS, Continuous Internal Assessment, Tutorial Classes are very important part of the entire system. Not only the assessment is taken, based on assessment result special remedial classes has been arranged by the department.

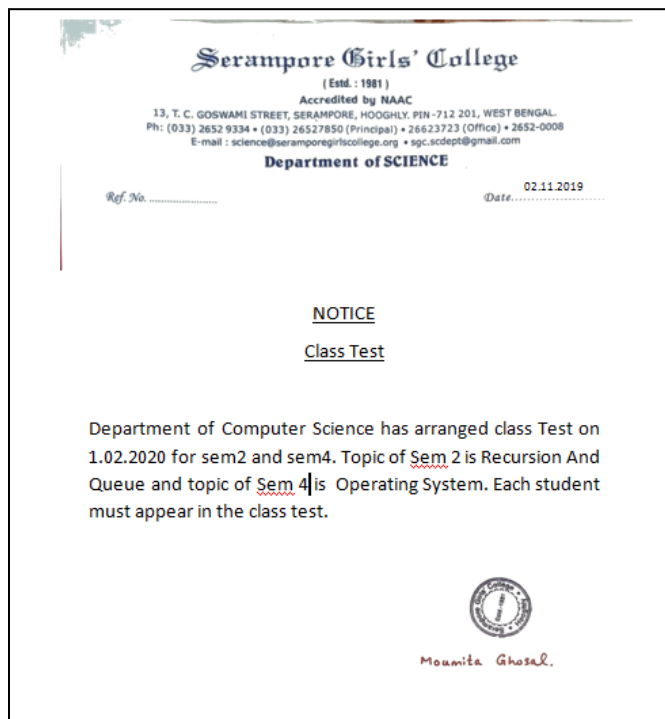
Some Notices are given below for supporting Documents.



Result of Semester1

Full Marks of Sem1 Exam is 25.

Sl_No	Name of the students	Marks
1	Sarbani Dhali	18
2	Titly Basu	15
3	Rupali Jana	12
4	Banashree Khan	15
5	Riyanka Santra	16
6	Priyanka Basu	15
7	Shampa Das	12
8	Shippa Basu	10



Result of Semester4

Full Marks of Sem4 Exam is 25.

Sl_No	Name of the students	Marks
1	Ishita Hazra	18
2	Darksha Khanum	21
3	Smita Das	14
4	Anjali Shama	15

5	Baishaakhi Duley	17
6	Triiparnaa Saha	15
7	Soumi Patra	21
8	Papiya Adhikary	18

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**Serampore Girls College**  
BSc Semester – IV Examination – 2021  
Subject – Computer Science

Paper - CC - 8

Answer any 5 questions:

1. What do you mean by Digital Signal and Analog signal?
2. What is the purpose of signal modulation?
3. Mention different types of modulation.
4. State different layers of OSI model sequentially.
5. What is block code?
6. State machester line coding by an example.
7. What is the function of network layer?
8. What is baud rate and data rate?
9. Mention different network topologies.
10. How may bits are transferred for each signal element in QAM?

Internal Examination  
Subject-CMSA  
Paper-CC10  
Semester-4

Answer any ten questions 1x10=10

1. Mention the difference between JZ and JNZ.
2. How many bits are there in address bus and data bus of 8085 microprocessor?
3. What is the difference between opcode and operand?
4. Why is data bus bidirectional?
5. State the functions of ALE.
6. Name the operations that can be performed by the ALU of microprocessor 8085.
7. Write two differences between microprocessor and microcontroller ?
8. State the function of a stack pointer.
9. How does a microprocessor distinguish whether a number stored in its memory is an unsigned number or a signed number?
10. What is machine cycle?
11. What is the difference between even parity and odd parity?



Internal Examination 2021

Semester - 4

Paper CC9

Full Marks - 10

Answer any five :-

1. What do you mean by Recursion?
2. Write Advantages of Big O Notation.
3. Define Graph.
4. Give definition of Greedy Algorithm.
5. Write any two features of Algorithm.
6. Shows growth of Big theta notation.
7. What do you mean by degree of a Vertex?
8. Define Path.

Sem - 4

Subject - CMSA

Paper - SEC B

Full Marks - 10

E-Commerce

Attempt all questions:-

1. Define BPR.
2. What is www?
3. Define Extranet.
4. State two major advantages of B2B model.
5. **Amazon.com** is the example of which Business model?
6. What do you mean by e-cash System?
7. State 2 differences between traditional commerce and E-commerce system.
8. Define cipher text.
9. Write an example of C2B model.
10. Differentiate between Data warehousing and Data Mining.

## **7. Result of Final Year**

Bsc. Honours	No. of students	Result
Computer Science	08	P - 08

Total No. of Candidates -08

Passed With Hons -08

Number of 1<sup>st</sup> Class 08

Bsc. General	No. of students	Result
Computer Science	02	P – 02

No. of candidates appeared -02

Passed – 02

**Seminar / Workshop on the subject organized by the department:**

## A State Level Webinar

Department of Computer Science & Mathematics in collaboration with IQAC



# Serampore Girls' College

Serampore, Hooghly, West Bengal, Pin: 712201, NAAC Accredited by Grade 'B', (2nd cycle)

## INTRODUCTION TO PYTHON PROGRAMMING



Speaker

**DR. ARUNABHA ADHIKARI**  
ASSOCIATE PROF., DEPT OF PHYSICS  
West Bengal State University

Interactive session  
will be conducted by  
**Mr. Soumen Mukherjee**  
Assistant Professor  
Dept. of Computer Application  
RCCIT, Beliaghata, Kolkata

**Date : 18<sup>th</sup> & 19<sup>th</sup> July, 2020**  
**Time : 11 a.m. - 2 p.m.**  
**Virtual Platform : Google Meet**

- ❖ No registration fee is required and E-certificates will be provided after completion of this Webinar and Feedback form submission.
- ❖ For more details please visit [www.seramporegirlscollege.com](http://www.seramporegirlscollege.com)
- ❖ e-mail : [sgc.webinar.team@gmail.com](mailto:sgc.webinar.team@gmail.com)
- ❖ Contact Person : Moumita Ghosal (Mob. : 9830339360)
- ❖ Registration Link : <http://webinar.seramporegirlscollege.org/reg/Computer%20Science/>

**Patron**  
**Dr. Soma Roy**  
Principal  
Serampore Girls' College

**Dr. Sayanti Mukhopadhyay**  
(Talukdar)  
IQAC (Co-Ordinator),  
Serampore Girls' College

**Convenor**  
**Moumita Ghosal**  
Dept. of computer Science  
Serampore Girls' College

**Joint Convenor**  
**Dr. Mayurakshi Nag**  
Assistant Professor  
Dept. of Mathematics  
Serampore Girls' College



**Last date of Registration : 15<sup>th</sup> July, 2020**

## Present status of our students passed in the year 2019-20

Name of the Department - Computer Science.

Year - 2020-21

No. of outgoing students - 10 (Hons - 8, Gen - 2)

No. of students progressing to Higher Education - 08 (Hons)

No. of students qualifying any State/National/international level examination - 00

Student's Name	Admitted to
1) Ishita Hazra	M. se. in Library Science CU
2) Riya Mondal	M. se. in Mahendra Educational Pvt. Ltd.
3) Smita Dutta	M. se. in Dinabandhu Andrews Institute
4) Soumi Bag	M. se. Rani Rashmoni Green University.
5) Anjali Sharma	M. se. Dinabandhu Andrews Institute.
6) Baishakhi Doley	mea in CU
7) Damini	Preparation for Govt job.

- 8) Darksha Khanum — M. se. in Dinabandhu
- 9) Keya Biswas — M. Se. in Dinabandhu ~~Ship~~  
Andrew
- 10) Reshma Khatun. — Preparation for Govt. job.