

## 4.3 IT Infrastructure

### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

#### Response:

The institution has updated IT facility that is comprehensive as well as secure. The college has expanded as well as upgraded its IT infrastructure within the last five years. Some of the initiatives taken are as follows.

- § The college campus uses a total of 10 broadband internet lines each of which have 100 Mbps that connects
  - o College office
  - o Principal's Office
  - o Botany Department
  - o Physics Department
  - o Commerce Department
  - o Mathematics Department
  - o Computer Center
  - o Library
  - o Chemistry Department
  - o Students' common room
- § Institutional funding is being made available for renewing the Wi-Fi on a monthly basis. Raina Broad band provides the broadband connection through Railtail & City cable to the college.
- § The LAN facilities in the Library are provided through a dedicated City cable line with speed 100 Mbps supporting the KOHA software.
- § LAN facilities in the college office are provided through City cable with speed 100 Mbps.
- § Separate Computer Laboratories have been set up at Departments of Physics, Mathematics, Geography and Commerce for the use of their students.
- § Physics Department uses C/C++ language and Scilab software for programming. LAN facilities in the Computer laboratory of Physics department are provided through a dedicated line of City cable with speed 100 Mbps
- § .Mathematics Department uses C-language for their students as part of their syllabus requirement.
- § Commerce Department uses MS-Word, MS-Excel, MS power Point, Spreadsheets Tally software for their students as a part of their updated syllabus requirement.

File Description	Document
Any additional information	<a href="#">4.3.1.pdf</a>
Link for additional information	<a href="#">4.3.1.a.pdf</a>


### 4.3.2 Student - Computer ratio (Data for the latest completed academic year)

**Response: 7**

File Description	Document
Student - computer ratio	<a href="#">4.3.2.pdf</a>
Details of computer specification	<a href="#">4.3.2.a.pdf</a>
Upload any additional information	<a href="#">4.3.2.b.pdf</a>

### 4.3.3 Bandwidth of internet connection in the Institution

Options:

- A.  $\geq 50$  MBPS
- B. 30 - 50 MBPS
- C. 10 - 30 MBPS
- D. 10 - 5 MBPS
- E.  $< 5$  MBPS

**Response: A 100 MBPS**

File Description	Document
Upload any additional Information	<a href="#">4.3.1.a.pdf</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">4.3.3.pdf</a>



Phone No.- 03451-260226  
-260016

# SYAMSUNDAR COLLEGE

(Govt. Sponsored)

Estd. -1948

Accredited at the B<sup>+</sup> Level by NAAC

Affiliated to the University of Burdwan

**SYAMSUNDAR \* BURDWAN - 713424**

Ref. No.....

Date.....

## 4.3.3 Details of available bandwidth of internet connection in the Institution

SL. NO.	PLACE	CORPORATION	BANDWIDTH IN MBPS
1	DEPARTMENT OF BOTANY	RAI TEL CORPORATION OF INDIA	30
2	DEPARTMENT OF PHYSICS	RAI TEL CORPORATION OF INDIA	30
3	DEPARTMENT OF MATHEMATICS	RAI TEL CORPORATION OF INDIA	30
4	DEPARTMENT OF COMMERCE	RAI TEL CORPORATION OF INDIA	30
5	COLLEGE OFFICE	RAI TEL CORPORATION OF INDIA	120
6	COMPUTER CENTRE	RAI TEL CORPORATION OF INDIA	60
7	LIBRARY	RAI TEL CORPORATION OF INDIA	60
8	PRINCIPAL'S OFFICE	RAI TEL CORPORATION OF INDIA	60



Principal  
Syamsundar College



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Date.....

## DESCRIPTION OF DESKTOP COMPUTERS

DEPARTMENT	Sl. No.	BRAND NAME	OPERATING SYSTEM	PROCESSOR	RAM IN GB	HDD IN GB	DATE OF PURCHASE
MATHEMATICS	1	ASSEMBLED	Windows 7	Dual Core	2 GB	500 GB	8/25/2012
	2	ASSEMBLED	Windows 7	Dual Core	2 GB	500 GB	8/25/2012
	3	ASSEMBLED	Windows 7	Dual Core	2 GB	500 GB	8/25/2012
	4	ASSEMBLED	Windows 7	Dual Core	3 GB	500 GB	12/11/2014
	5	ASSEMBLED	Windows 7	Dual Core	3 GB	500 GB	12/11/2014
	6	ASSEMBLED	Windows 7	Dual Core	3 GB	500 GB	12/11/2014
	7	ASSEMBLED	Windows 7	Dual Core	4 GB	500 GB	8/29/2016
	8	ASSEMBLED	Windows 7	Dual Core	4 GB	500 GB	8/30/2016
	9	ASSEMBLED	Windows 7	Dual Core	4 GB	500 GB	8/31/2016
	10	HP	Windows 10 Pro	Intel Core	4 GB	1000 GB	RUSA
	11	HP	Windows 10 Pro	Intel Core	4 GB	1000 GB	RUSA
	12	HP	Windows 10 Pro	Intel Core	4 GB	1000 GB	RUSA
PHYSICS	1	HP	WINDOWS 10	INTEL (R )PENTIUM (R) DUAL CORECPU E5800@3.2GHZ-32BIT	1 GB	1 TB	UGC-2012
	2	HP	WINDOWS 10	INTEL (R )PENTIUM (R) SILVER 15005CPU @1.5GHZ-64BIT	4 GB	1 TB	RUSA-2019
	3	HP	WINDOWS 10	INTEL (R )PENTIUM (R) SILVER 15005CPU @1.5GHZ-64BIT	4 GB	1 TB	RUSA-2019
	4	HP	WINDOWS 10	INTEL (R )PENTIUM (R) SILVER 15005CPU @1.5GHZ-64BIT	4 GB	1 TB	RUSA-2019
	5	HP	WINDOWS 10	INTEL (R )PENTIUM (R) SILVER 15005CPU @1.5GHZ-64BIT	4 GB	1 TB	RUSA-2019
	6	HP	WINDOWS 10	INTEL (R )PENTIUM (R) SILVER 15005CPU @1.5GHZ-64BIT	4 GB	1 TB	RUSA-2019
	7	HP	WINDOWS 10	INTEL (R )PENTIUM (R) SILVER 15005CPU @1.5GHZ-64BIT	4 GB	1 TB	RUSA-2019



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**SYAMSUNDAR \* BURDWAN - 713424**

Ref. No.....

Date.....

## DESCRIPTION OF DESKTOP COMPUTERS

DEPARTMENT	Sl. No.	BRAND NAME	OPERATING SYSTEM	PROCESSOR	RAM IN GB	HDD IN GB	DATE OF PURCHASE
GEOGRAHY	1	SAMSUNG	WINDOWS 7	INTEL DUAL CORE	4 GB	500 GB	2/17/2017
	2	SAMSUNG	WINDOWS 7	INTEL DUAL CORE	4 GB	500 GB	2/17/2017
	3	SAMSUNG	WINDOWS 7	INTEL DUAL CORE	4 GB	500 GB	6/30/2017
	4	SAMSUNG	WINDOWS 10	INTEL DUAL CORE	4 GB	500 GB	6/30/2017
	5	HP	WINDOWS 10	INTEL DUAL CORE	4 GB	500 GB	6/30/2017
LIBRARY	1	Assebeled	WINDOWS 7	Intel i5	4GB	1TB	5/12/2018
	2	Assebeled	WINDOWS 7	Intel D/C	4GB	1TB	5/12/2018
	3	Assebeled	WINDOWS 7	INTEL DUAL CORE	4GB	1TB	11/22/2018
	4	Assebeled	WINDOWS 7	INTEL DUAL CORE	4GB	1TB	11/22/2018



Principal  
Syamsundar College

#### 4.3.2 Student - Computer ratio (Data for the latest completed academic year)

SL. NO.	DEPARTMENT	Number of Computers	Number of student users
1	PHYSICS	7	35
2	MATHEMATICS	12	17
3	COMMERCE	9	43
4	COMPUTER LABORATORY	13	100
5	GEOGRAPHY	5	54
6	LIBRARY	4	100
	TOTAL=	50	349

Number of students : Number of Computers = 7.0



**Principal**  
Syamsundar College

Mob : 9732940940

# RAINA BROADBAND SERVICE

Authorised Access Network Provider of  
**Railtel Corporation Of India** (A Govt. of india undertaking)  
Raina ,Burdwan , W.B. , Pin : 713421

Bill .No...708

Date : 18/12/2021

**Bill to : Shyamsundar College**  
Shyamsundar ,Burdwan, Pin – 713424

SL.No.	Product / Service Name	Quantity	Unit Price	Amount
1.	Live IP Library office for 2021-2022 1year		4500	4500

Chno - 528/09  
23/11/2021  
21-12-2021  
Librarian,  
Syamsundar College Library

Total Amount in words ( Four thousands Five Hundred Only)

**Total - 4500**

21.12.21  
**BURSAR**  
Syamsundar College

21/12/2021  
Principal  
Syamsundar College

Sk. Firoj Ahammed  
Signature  
Accountant  
Syamsundar College

Sk. Firoj Ahammed

Mob : 9732272769

## RAINA BROADBAND SERVICE

Authorised Access Network Provider of  
**Railtel Corporation Of India**(A Govt. of india undertaking)

Raina ,Burdwan , W.B. , Pin : 713421

Bill .No...708.....

Date : 29.1.2022

**Bill to :Shyamsundar College**  
Shyamsundar ,Burdwan, Pin – 713424

SL.No.	Product / Service Name	Quantity	Unit Price	Amount
1.	Railtel 120 Mbps Unlimited (Offic) For-JAN. ..2022	1	1700	1700.00
2.	Railtel 60mbps Unlimited (Principal) For- JAN. ..2022	1.	750	750
3.	Railtel 60 mbps Unlimited Libery Office For- JAN. ..2022.	1	750	750
Total Amount in words (ThreeThousand Two Hundred Only)				Total - 3,200.00

Ch no - 528135  
15/02/2022

Accountant  
Syamsundar College

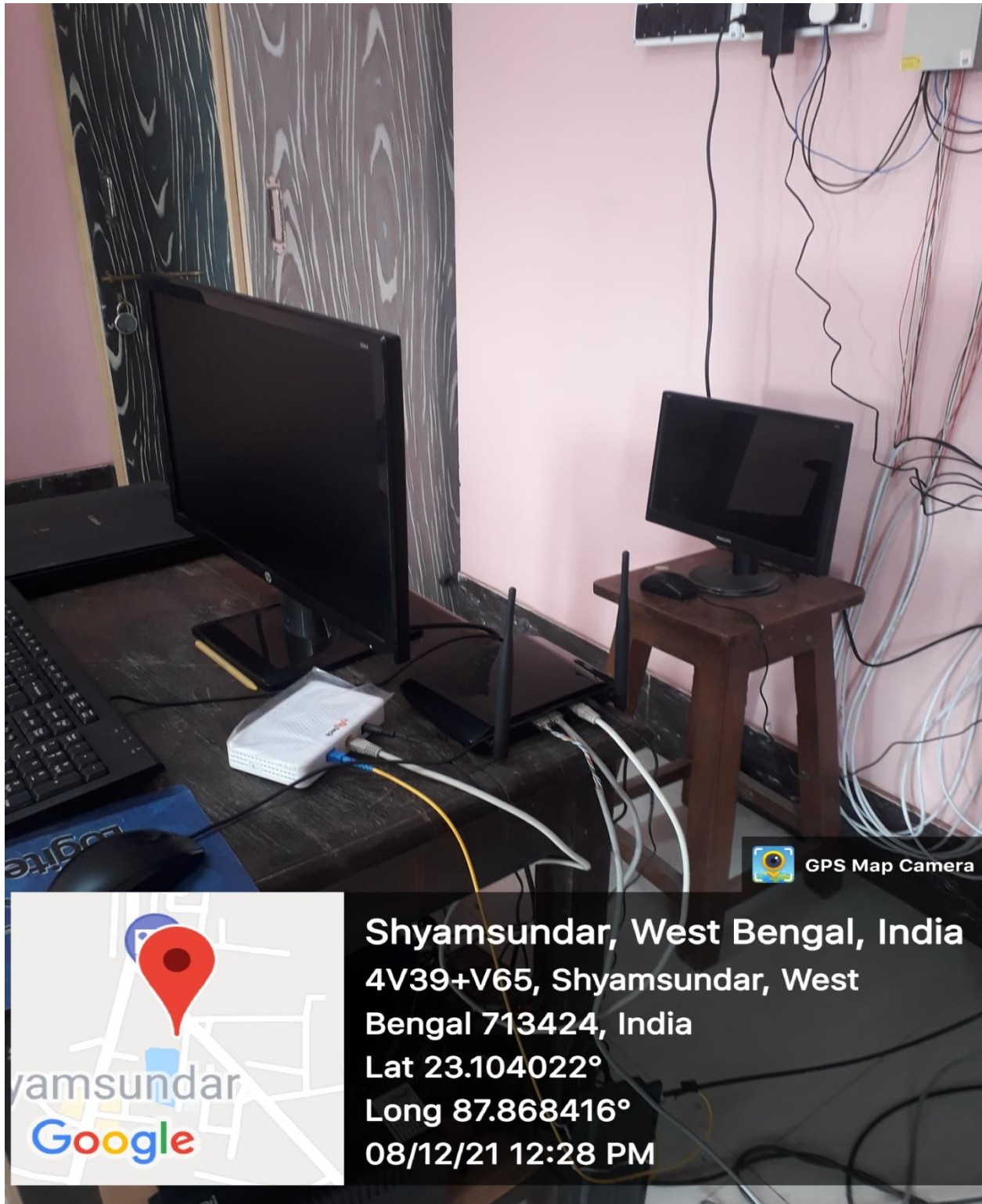
Principal  
Syamsundar College

BURSAR  
Syamsundar Collage

SK. Feroj Ahammad  
Signature



WI-FI IN DEPARTMENT OF BOTANY






WI-FI IN DEPARTMENT OF PHYSICS



WI-FI IN DEPARTMENT OF MATHEMATICS



 GPS Map Camera

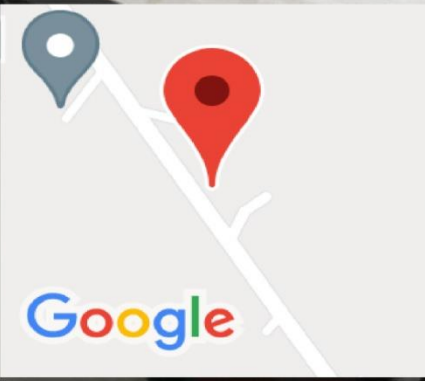
  


**Konakrishnapur, West Bengal, India**  
**Konakrishnapur, West Bengal, India**  
**Lat 23.083167°**  
**Long 87.824149°**  
**08/12/21 02:51 PM**

WI-FI IN COLLEGE OFFICE



WI-FI IN COMPUTER CENTRE



**Debbarpur, West Bengal, India**  
4V76+8X8, Debbarpur, West Bengal  
713424, India  
Lat 23.112624°  
Long 87.862905°  
08/12/21 03:42 PM


WI-FI IN LIBRARY

WI



WI-FI IN ANTECHAMBER

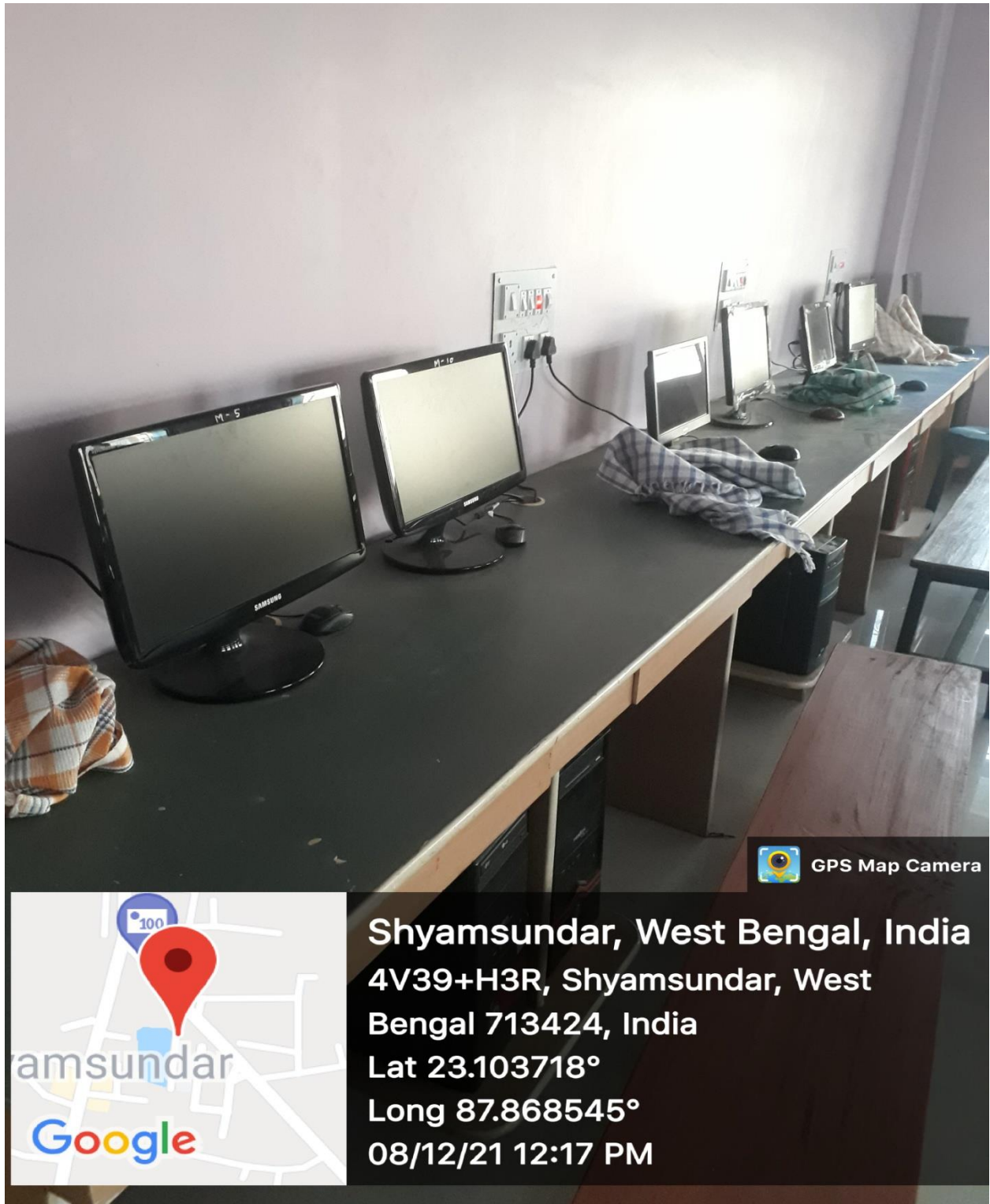


 GPS Map Camera



**Shyamsundar, West Bengal, India**  
4V39+P79, Shyamsundar, West  
Bengal 713424, India  
Lat 23.104283°  
Long 87.868314°  
08/12/21 12:14 PM

COMPUTER LABORATORY IN DEPARTMENT OF PHYSICS

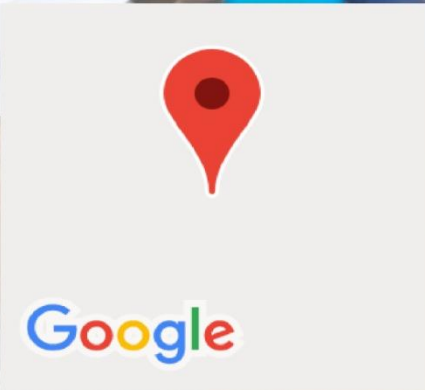


**Shyamsundar, West Bengal, India**  
**4V39+H3R, Shyamsundar, West**  
**Bengal 713424, India**  
**Lat 23.103718°**  
**Long 87.868545°**  
**08/12/21 12:17 PM**

**COMPUTER LABORATORY IN DEPARTMENT OF MATHEMATICS**



GPS Map Camera



Konakrishnapur, West Bengal, India

Konakrishnapur, West Bengal, India

Lat 23.083167°

Long 87.824149°

08/12/21 02:29 PM

COMPUTER LABORATORY IN DEPARTMENT OF GEOGRAPHY



GPS Map Camera



**Shyamsundar, West Bengal, India**  
4V39+8MW, Shyamsundar, West Bengal 713424, India  
Lat 23.103266°  
Long 87.868965°  
08/12/21 03:02 PM

COMPUTER LABORATORY IN DEPARTMENT OF COMMERCE



COMPUTER CENTRE



**Shyamsundar, West Bengal, India**  
4V39+8MW, Shyamsundar, West  
Bengal 713424, India  
Lat 23.103286°  
Long 87.868891°  
08/12/21 03:44 PM

COMPUTERS IN THE LIBRARY FOR THE USE OF STUDENTS