

Supporting Document for Qualitative Metric 4.3.1



**Submitted to NAAC
By
Einstein Academy of Technology and Management (EATM),
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Einstein Academy of Technology and Management (EATM) Bhubaneswar

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

The IT facilities available in our college can be summarized as follows,

LAN Facility

There are 26 data network switches (Giga byte), 02 POE network switches for access points, CCTV cameras, 200 Mbps of internet connectivity is shared across the campus.

Server configurations in data centre

There 02 servers with Xeon E-5 version-2, 8GB RAM, 1.0 TB hard drive, which are served as Domain Controller (DC), Additional Domain Controller, student biometric server, faculty biometric server and application servers.

Back up device- 2TB for critical server back up

Workstation

410 desktops are now available with configurations of Pentium dual core / i3 processors, 3rd generation, 4GB-RAM, 1TB / 500 GB hard disk with LAN connectivity. Out of which 359 PCs are exclusively available in different laboratories, computer centre, e-library etc. for students.

Software


Windows 2008 server and windows 2011 multi point servers available. We also use open source operating systems such as Fedora, Ubuntu and CentOS.

Printers

26 Laser jet printers, 3 Xerox canter's and 2 scanners are provided across the campus for academic and administrative purposes.

Updates and up gradation

Updates are maintained regularly through WSUS (Windows Server Update Service) and anti-viruses are updated through cloud portal. Ram has upgraded from 2GB to 4 GB.


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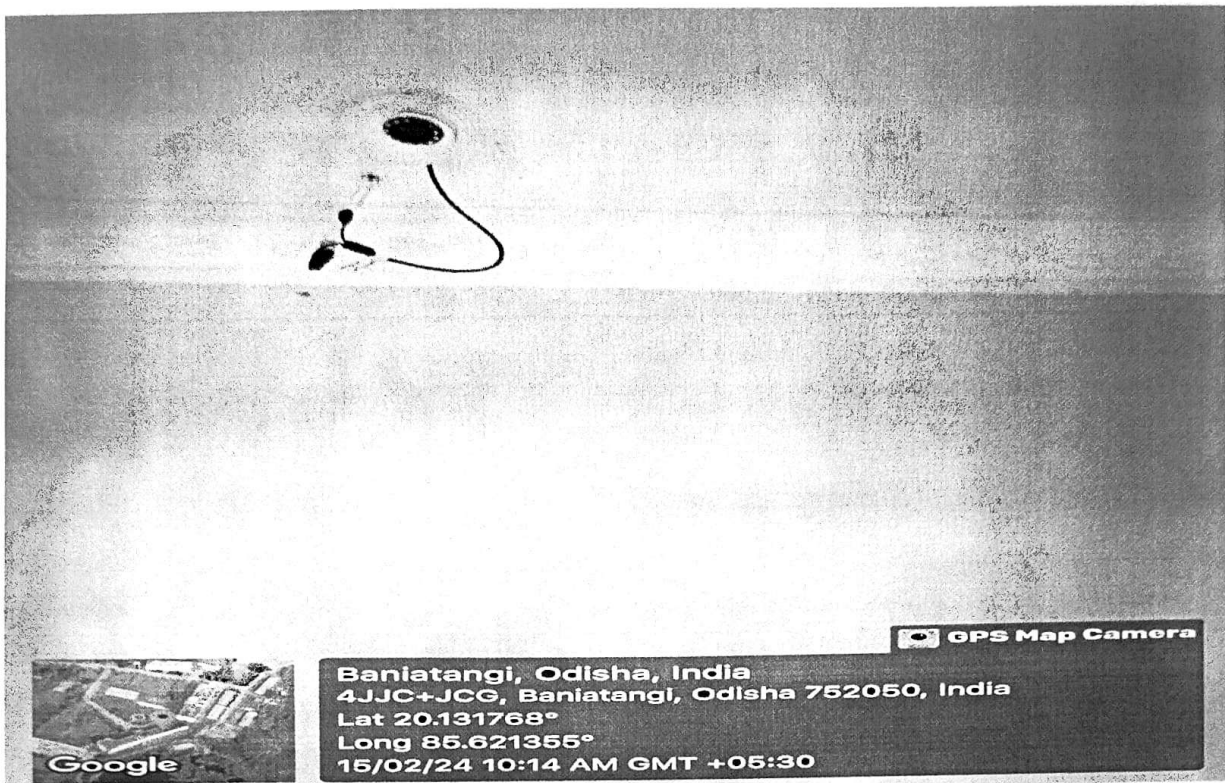
Wi-Fi

24 Extendable Wi-Fi access points are placed in various places like Library, Corridors, Labs, Hostels, Canteen and Outdoor. Wi-Fi access is provided to all the students which is monitored and controlled by Linux server at the IT department for secure content access. All access points are routed to a Wi-Fi controller in the Data Centre where configuration and updates are maintained in a centralized fashion.

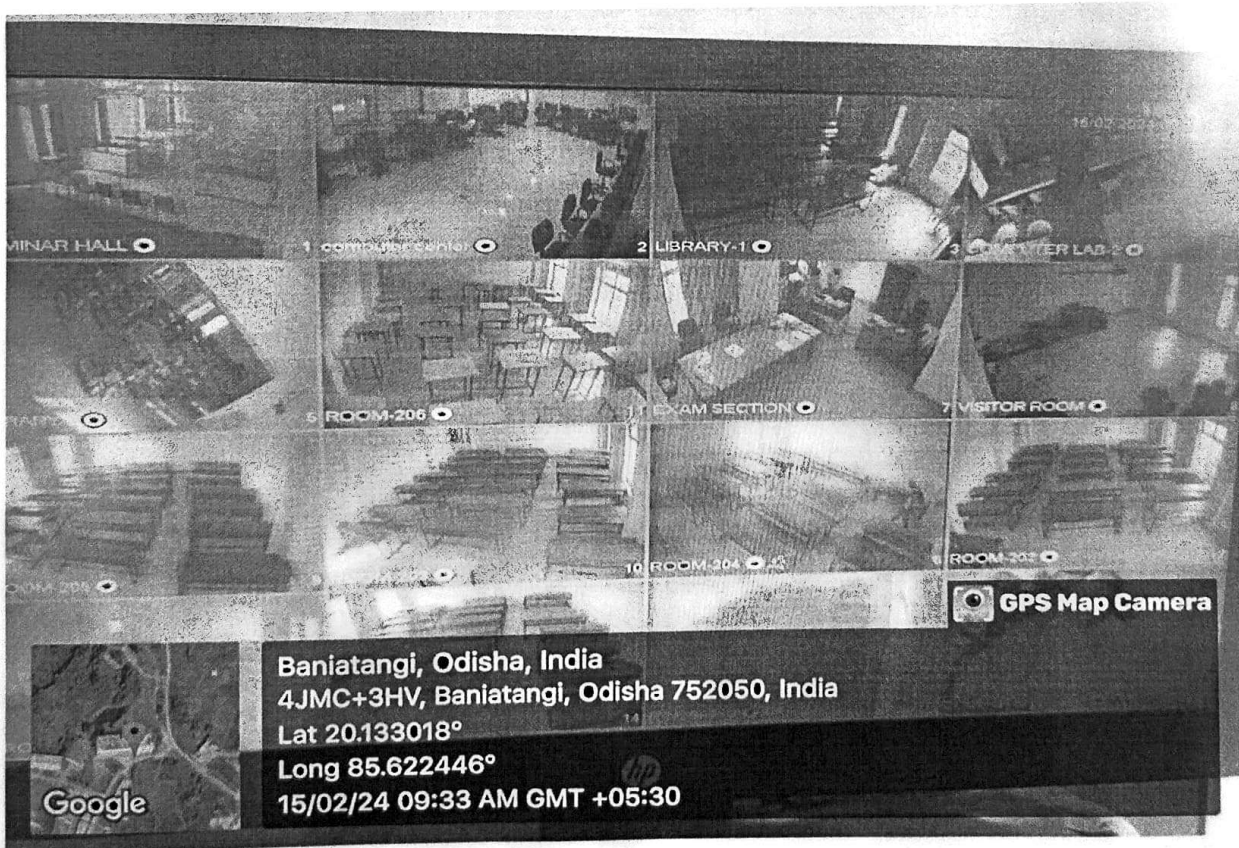
A comparison of IT facilities including Wi-Fi, in 2018-19 and 2022-23 can be summarized as follows:

Sl. No.	Items	2018-19	2019-20	2020-21	2021-22	2022-23
1	No. of Computers	373	350	370	395	410
2	Bandwidth	200 mbps	200 mbps	200 mbps	200 mbps	200 mbps
3	Desktop Configuration	Dual Core	Dual Core	Dual Core	I 3	I 3
4	Accessories (Printers)	19	19	21	21	21


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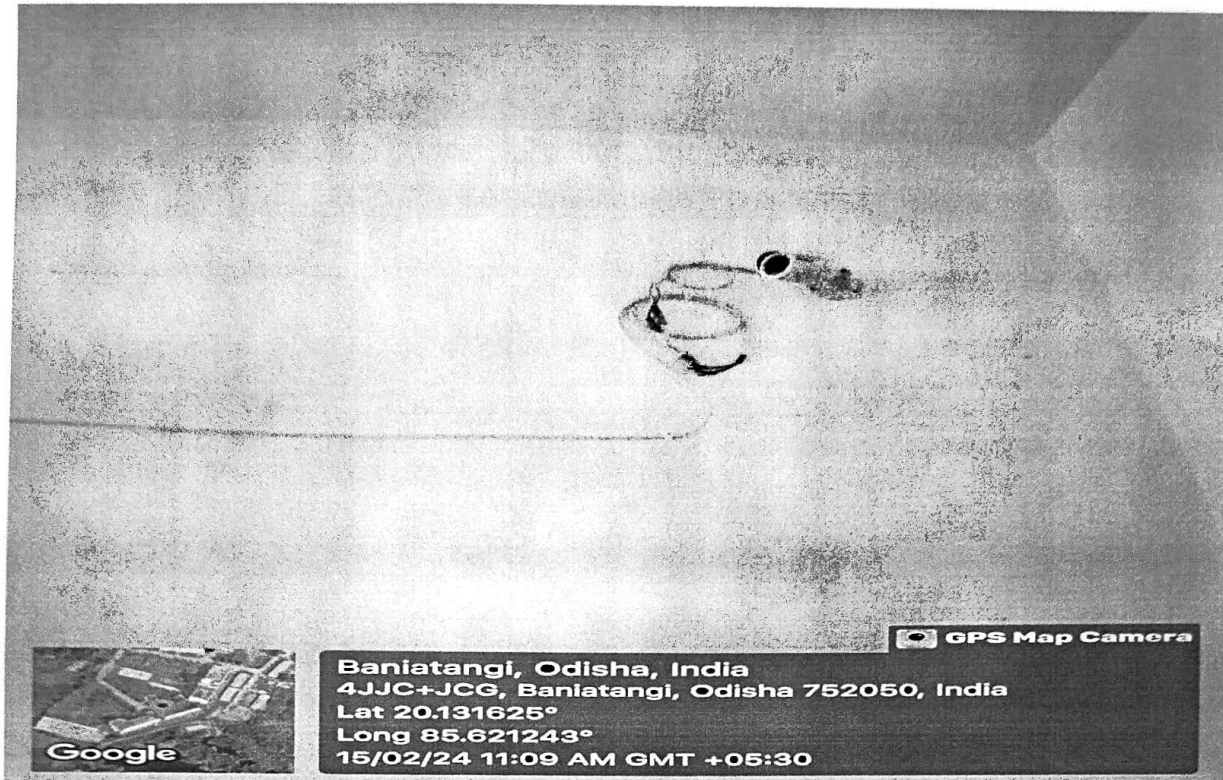


CCTV Camera used in Class room



Display of the control room of CCTV cameras (32 no of camera installed in class Room)

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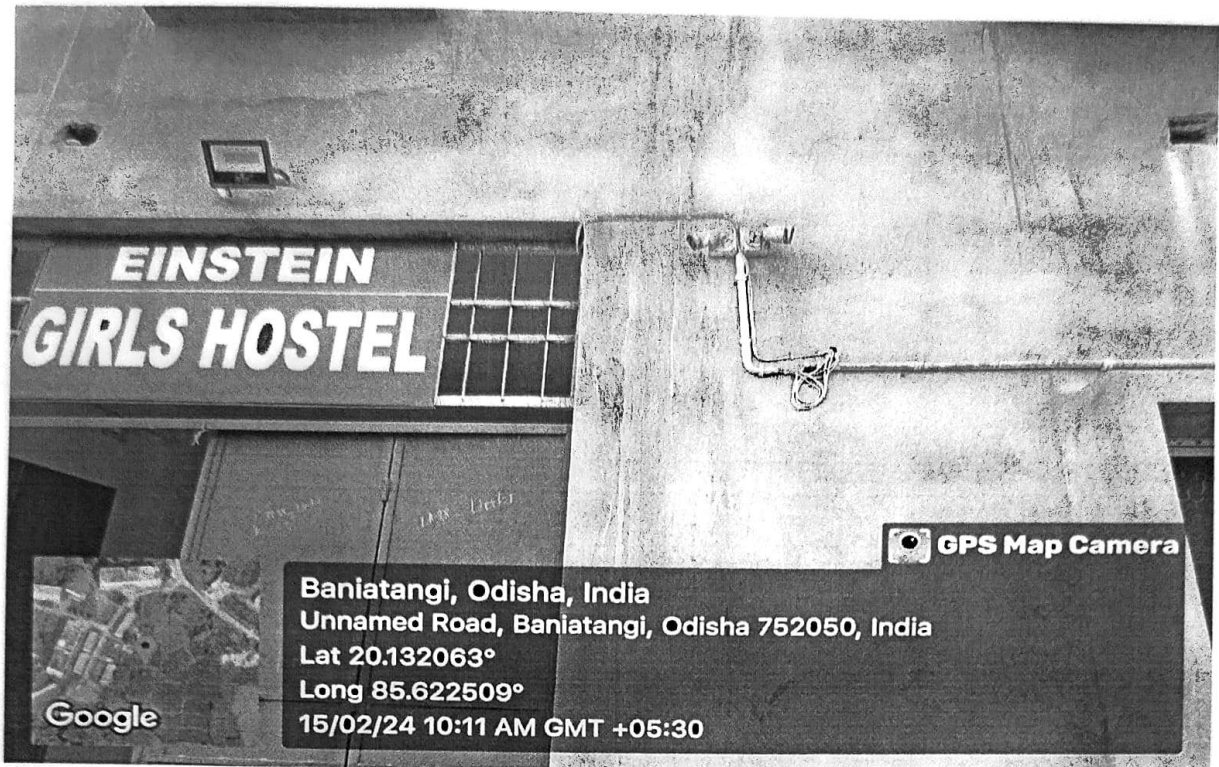


CCTV camera used in the Boys' hostel

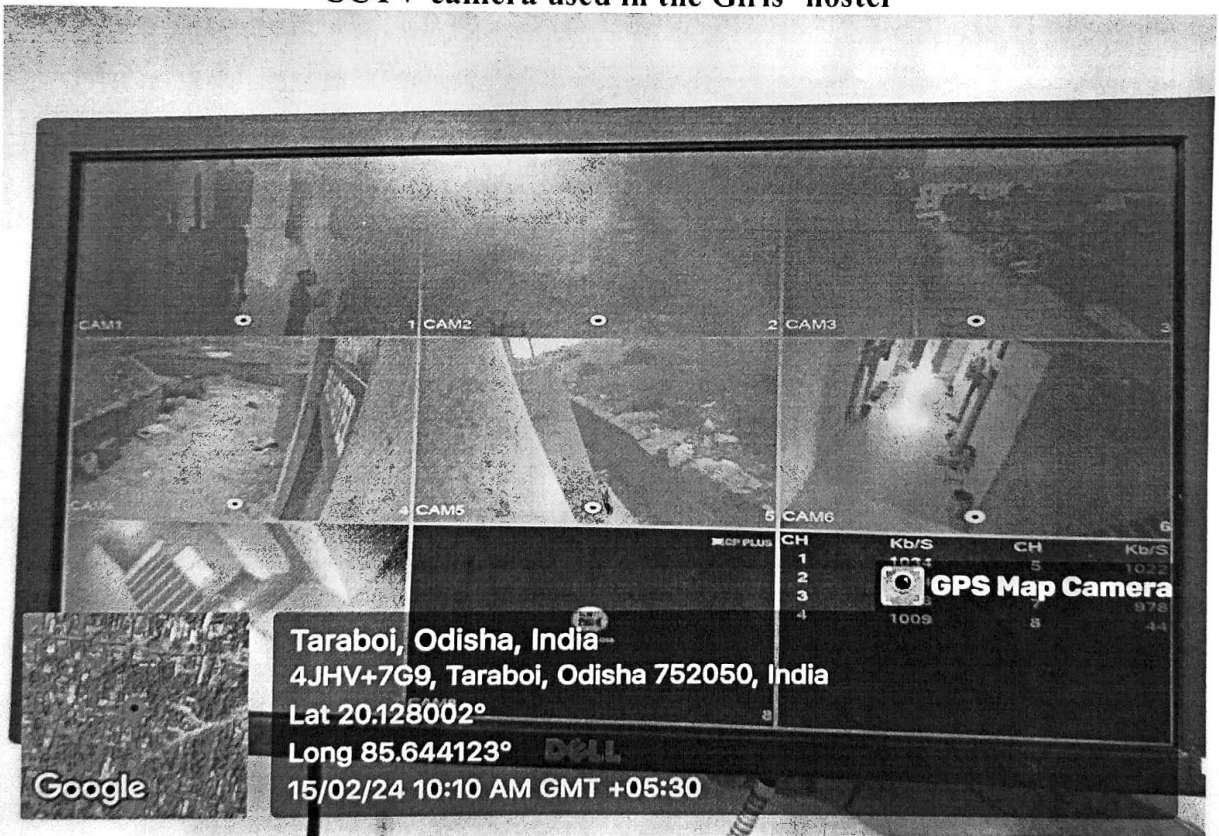


Display of the control room of CCTV cameras of Boys' hostel

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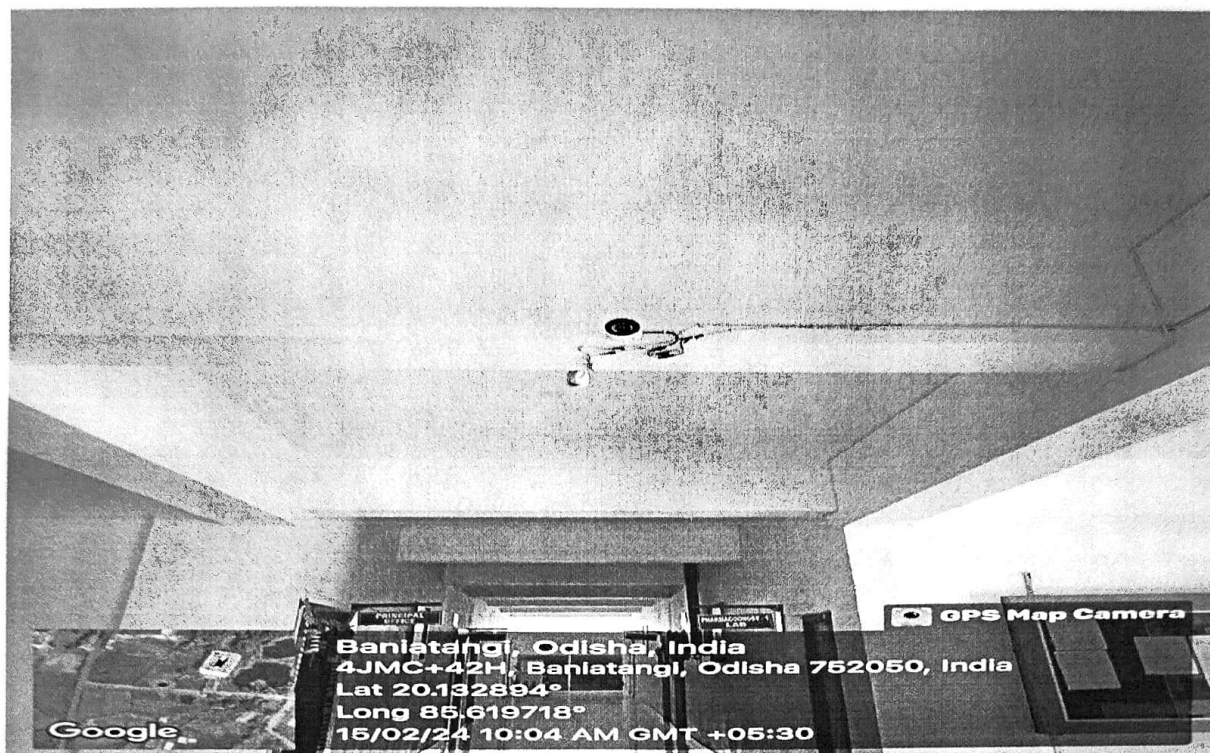


CCTV camera used in the Girls' hostel

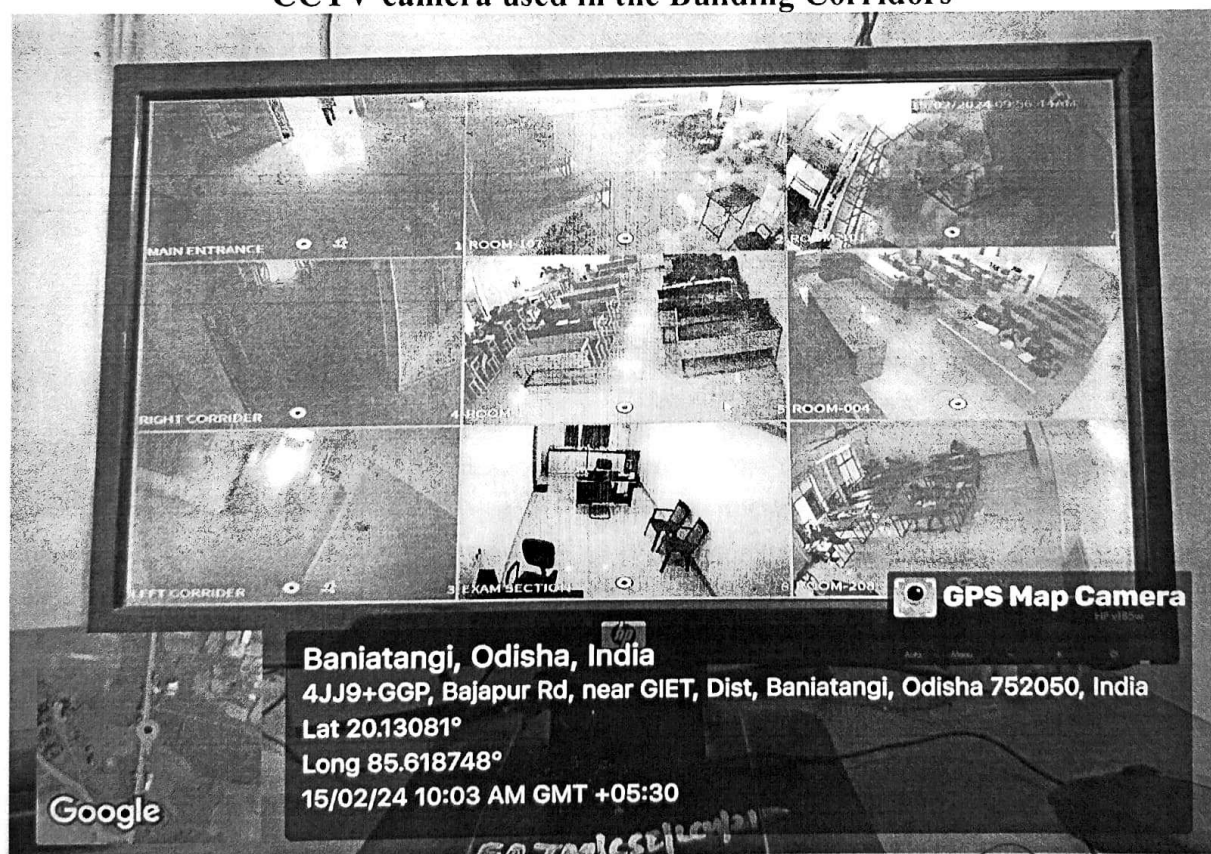


Display of the control room of CCTV cameras of Girls' hostel

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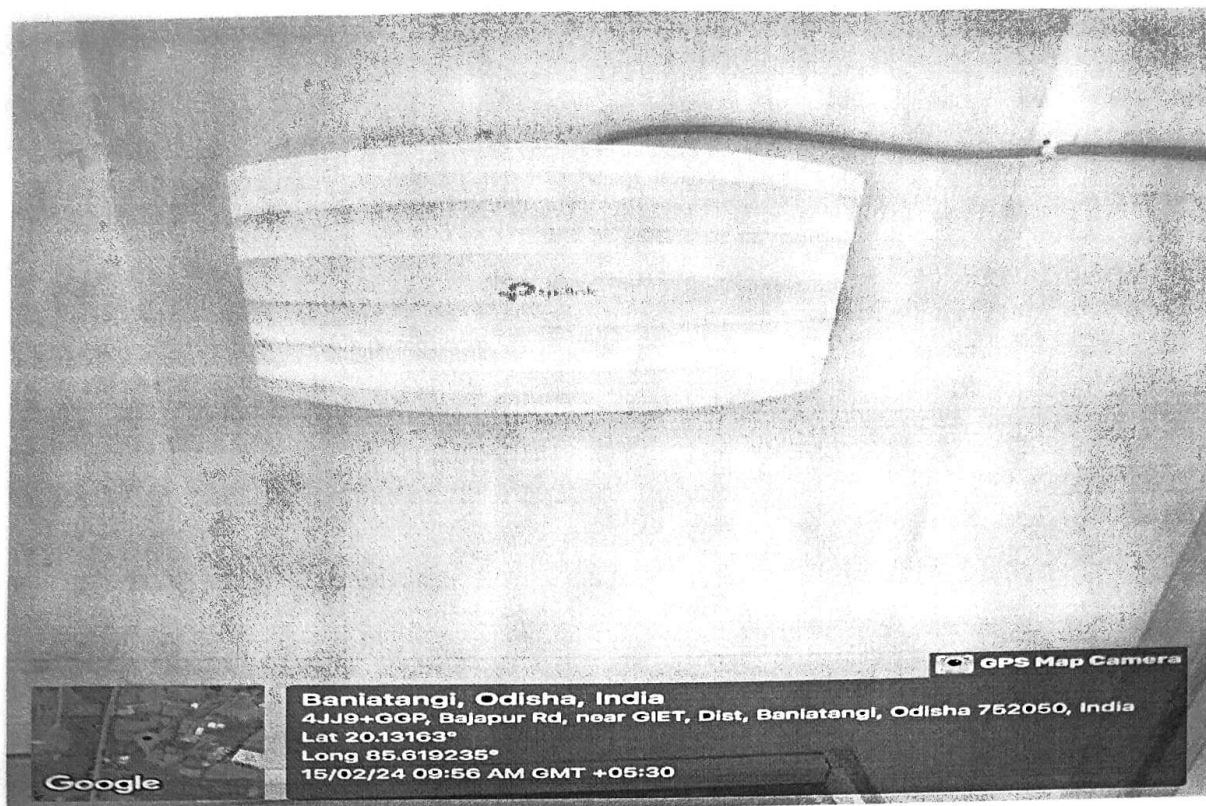


CCTV camera used in the Building Corridors'

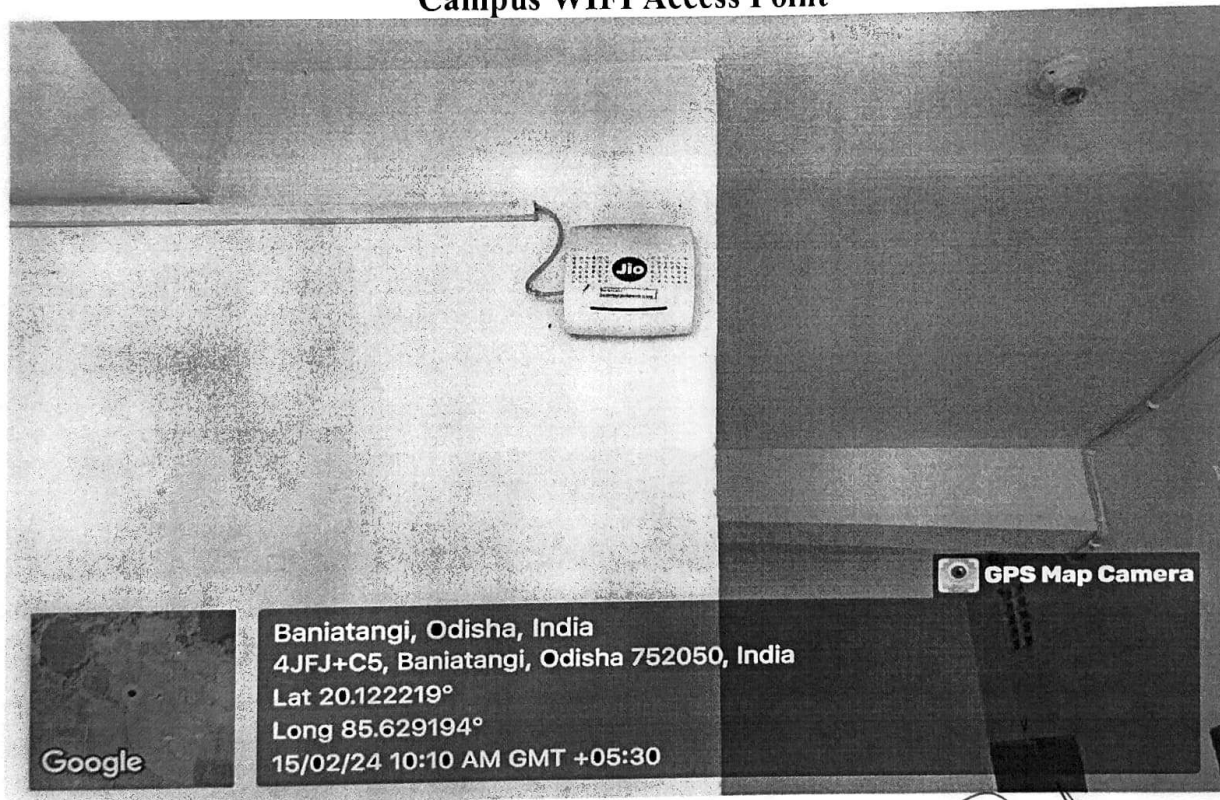


Display of the control room of CCTV cameras of building corridors

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Campus WIFI Access Point

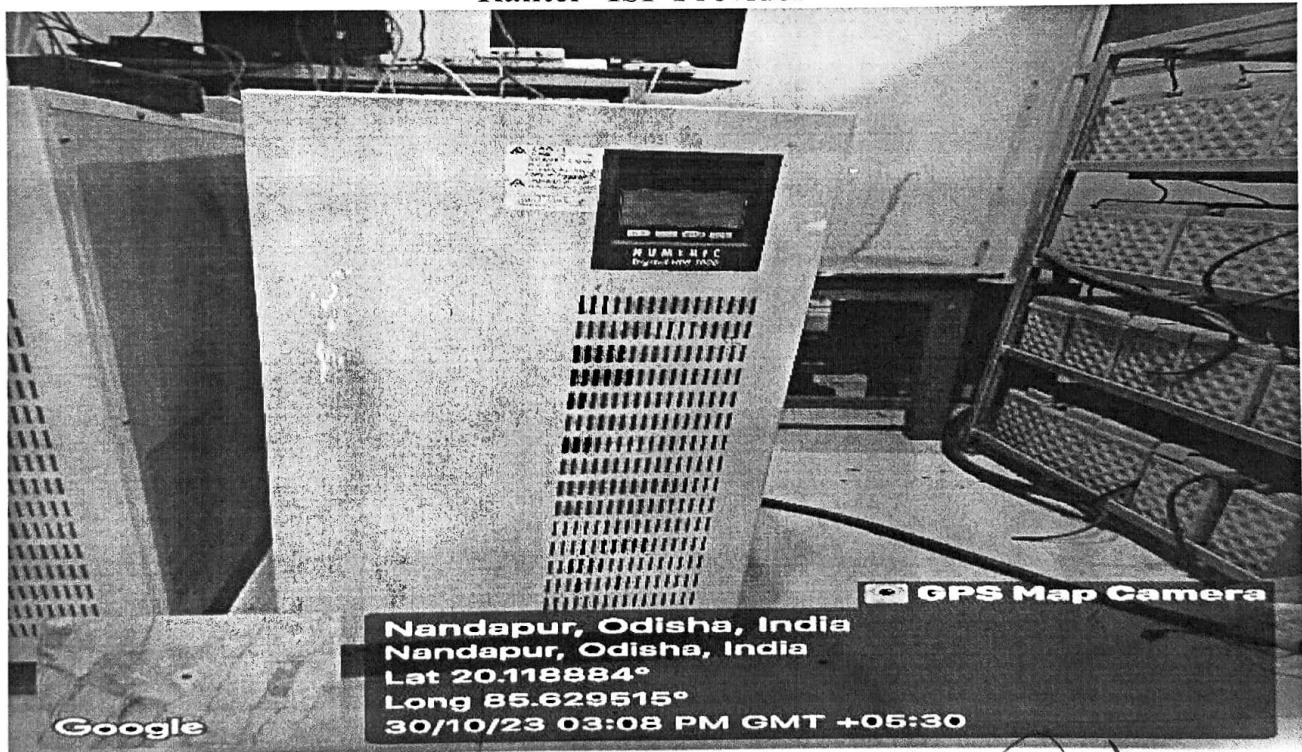


Boys Hostel WIFI Access point

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Railtel ISP Provider



UPS

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