4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection
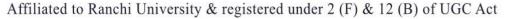
Sl No	Particulars	Page No
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Yogoda Satsanga Mahavidyalaya has implemented an IT policy to oversee and safeguard the maintenance, security, and lawful usage of its information technology infrastructure on campus. The policy covers a wide range of information assets, including data, information systems, computers, network devices, intellectual property, and documents.

1. **LAN and Wi-Fi:**

   - Structured network cabling is implemented across all blocks of the Mahavidyalaya.

   - Computers are connected to broadband internet through two connections: 1 Gbps and 100 Mbps.

   - The campus is equipped with switches and routers to support network connectivity. Internet is distributed to various departments and offices using different routers.

   - In 2010, the Mahavidyalaya procured BSNL broadband to address initial challenges in ensuring uninterrupted internet connectivity, due to geographical location, in 2015, two additional lease lines of 10 Mbps and 2 Mbps were obtained. Currently, the Mahavidyalaya utilizes 100 Mbps and 1 Gbps broadband for internet connectivity on campus. Continuous updates have been made to the IT facilities over the years.

   - The signal strength of the routers supports live streaming of online content in classrooms through VGA/HDMI LAN-supported projectors.

   - Sufficient Wi-Fi access points are available to ensure seamless internet connectivity to cover all the academic/administrative blocks.

   - Computer Lab and Digital Knowledge Centre are available to the students for unlimited access to e-resources. Unlimited access to e-resources is also available to all teaching and non-teaching employees of the Mahavidyalaya.

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2. Hardware and Software

To ensure optimal utilization and performance, Yogoda Satsanga Mahavidyalaya upgrades the configuration of laptops, desktops, and other peripherals as needed. This proactive approach guarantees that the IT equipment remains up-to-date and capable of meeting the institution's requirements. Additionally, CAT-6 cables are regularly replaced to maintain reliable network connectivity and support efficient data transmission. This practice ensures a robust network infrastructure throughout the campus

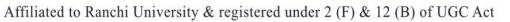| Particulars	Description (Present Quantity)	Additional Remarks
HARDWARE		
Desktops	117	Academic-85 Non Academic-32
Laptops	45	With the recent purchase of 12 laptops on April 20th, 2023, the total number of laptops issued to teachers has reached 45. By acquiring these additional laptops, the institution has expanded its technological resources and further empowered its teaching staff. The laptops provide teachers with the tools they need to enhance their instructional methods and streamline administrative tasks.
CCTV s	115	As of April 2023, the Mahavidyalaya had undergone a replacement and

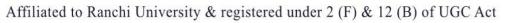|		
		addition process of IP-based CCTV cameras and network video recorders (NVR). Presently, there are 115 CCTV's installed and configured across the campus, providing comprehensive coverage and surveillance capabilities.
Printer	12	These devices are essential for supporting the administrative and academic functions of the institution
Photocopier	05	
LED TV	02	On January 6th, 2023, two advanced LED TVs were purchased. Their installation in the Board Room and the Principal's Office enhances the effectiveness and visual impact of meetings and discussions held in these spaces.
Projectors	17	As of March 4th, 2023, an additional four projectors were purchased for the newly built classrooms. With this recent acquisition, a total of 26 classrooms, including the Seminar Hall and the Digital Knowledge Centre, are now equipped with projectors, enabling ICT (Information and Communication Technology)enabled teaching.
PA System	04	PA system ensures clear and

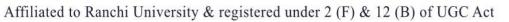|		effective audio communication within these classrooms, enhancing the overall learning experience for students and facilitating effective teaching in these spaces
Smart Board	01	Smart Board is employed for delivering interactive and engaging presentations in the Boardroom.
Headphones & Webcam	30 each.	On 25th June 2022, the purchase of 30 headphones and 30 web cameras to support online faculty development programs and ensuring a smooth transition to the digital realm.
Conference Camera	01	Purchased on 17th January 2023.
Pentab	01	The institution provides a useful tool called the pentab, which is primarily utilized by teachers during online classes, especially for practical subjects.
Barcode Reader	03	The library at YSM is equipped with **two 360-degree barcode readers** specifically designed for issuing and returning books. These barcode readers facilitate seamless and efficient book transactions within the library. Additionally, **a handheld barcode reader** is utilized for scanning various items such as I-cards and books, enabling quick and

		accurate data capture for administrative purposes.
Sound Mixing Device	02	These devices are employed to ensure optimal audio quality and performance in both the Seminar Hall and the newly built Multipurpose Auditorium.
Biometric Device	01	The college utilizes a single biometric device (with options for FACE, CARD, or FINGER recognition) to accurately maintain attendance records for its employees.
Servers	03	The College has dedicated servers installed in the server room to support various functions and services. These servers are utilized for conducting computer-based tests, facilitating the Language Lab activities, and running the DSpace Software.
External HDD	7	These HDDs serve as storage devices to securely store and manage important data and files necessary for the institution's administrative and operational functions.
Online UPS	05	These UPS systems serve as a reliable backup power source, safeguarding against power outages and providing seamless electricity
Offline UPS	50	

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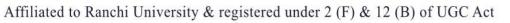
		supply to critical IT infrastructure and equipment. **Online UPS:** In the general office, CVS lab, and digital knowledge center, UPS systems with a capacity of 5 KVA each have been installed. However, in the server room and seminar hall, UPS systems with a capacity of 3 KVA each have been installed.
DSLR camera	01	The college possesses a DSLR camera that is utilized for capturing various college events.
Router	04	
SOFTWARE		
ORELL Talk		ORELL TALK, originally purchased around 2017, is an LSRW (Listen, Speak, Read, and Write) software designed to enhance English language communication skills. The software incorporates a language lab course, providing a comprehensive approach to language learning and development. ORELL TALK underwent an **upgrade in 2022**.
Zoom Video Conferencing Subscription		This subscription allows students, faculty, and staff to conduct online classes, meetings, webinars, and

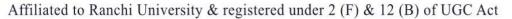|		
		other virtual events
KOHA Library Management Software		The libraries at Mahavidyalaya are fully automated using Koha Library Management Software, streamlining library operations and providing efficient management of resources.
Tally for Accounting		Streamline financial operations.

3. **IT-enabled Services**

- Mahavidyalaya offers YouTube Live Streaming of programs, allowing audiences to watch events and programs remotely in real-time.

- The libraries at Mahavidyalaya are fully automated using Koha Library Management Software, streamlining library operations and providing efficient management of resources.

- Mahavidyalaya has a video conferencing facility powered by ZOOM, enabling virtual meetings and collaborations.

- Various online systems are implemented to facilitate students' needs, including admission processes, fee payment, fee waivers, TC/CLC requests, Jigyasa (a blog and forum platform), access to semester results, enrolment in addon courses, availability of online lectures, and access to subject notes.

- For administrative purposes, Mahavidyalaya utilizes online systems for admission, UTKARSH- (class record management), fee collection and analysis, uploading events and notices, automatic demographic data creation, TC/CLC administration, fee-waiver approvals and administration, student result uploading and management, offline semester exam form fee collection, departmental students and fee record management for HoDs (Heads of Departments), and a hardware management system.

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4. **Cybersecurity**

In terms of cybersecurity, the college implements measures to enhance protection:

- User access is secured through authentication-based mechanisms, preventing unauthorized access.

- Anti-virus software (Quick Heal) is used in administrative desktops/laptops to secure official data from anti-theft, breaches, virus attacks etc.

- Regular monitoring of reports and records is conducted to ensure the detection and response to potential security incidents.

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