

ACCESS AUDIT

STUDIED FOR ACCESS AND BARRIER-FREE PREMISES

Sustainability study
AUDIT REPORT

Studied for
**St. Aloysius
Degree College**

Sarvagna Nagar, Cox Town,
Bengaluru – 560005, India

Studied in the capacity of
Accredited and Certified GBP



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Disclaimer

The Audit Team has prepared this report for the **St. Aloysius Degree College** located at Sarvagna Nagar, Cox Town, Bengaluru – 560005, India based on input data submitted by the Institute analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the internal team. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.

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Developing Healthy and Sustainable Environments

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Acknowledgement

The Audit Assessment Team extends its appreciation to the **St. Aloysius Degree College, Karnataka** for assigning this important work of Disability (Access) Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are extended are due to everyone from the Management.

Our heartfelt thanks are extended to the Chairperson of the entire process **Dr. Sagayamary B.** (Principal) for the valuable inputs.

We are also thankful to Institute's Task force who have played a major role in data collection - **Assistant Professor Hemanth Kumar and the entire** Teaching staff members, Non-teaching staff members and Admin staff members.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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1. Introduction

1.1 About the Institute

The campus is an established group of institution with over 75 years of experience in the education industry.

The prestigious college was established in 2008 and offer Under Graduate and Post Graduate Programmes.

The Institute has taken a calculative and holistic approach on education. We believe education is more than knowledge and has multi facades.

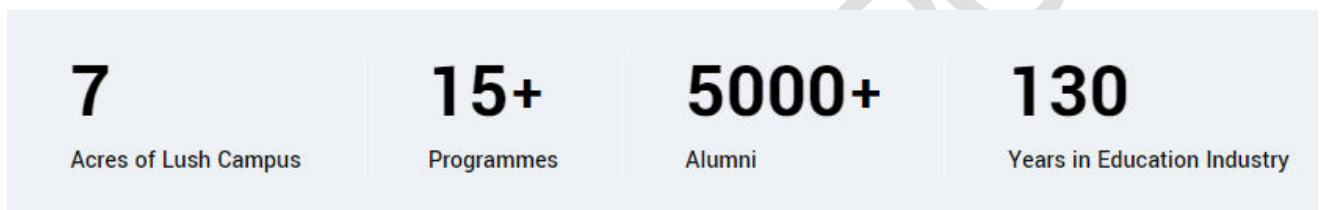


Plate 1: About the Institute legacy

1.2 Assessment of the Institute

1.2.1 Affiliations

The courses provided by Institute are affiliated to **Bengaluru North University, Karnataka**

1.2.2 Certification

The College has received the following Certifications

- ➔ **AISHE** – The All India Survey of Higher Education code is C-20890
- ➔ **ISO** – Received the ISO 9001 Certifications

2. Overview

2.1 Summarised Populace analysis for 2023-2024

2.1.1 Students data

The data (shared by the Institute) shows there were **450 students**.

2.1.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	03	01	04
2	Teaching staff	13	20	33
3	Non-Teaching staff	03	02	05
Total Staff Members		19	23	42

Table 1: Staff data of the Institution for 2023-2024

The staff data shows the Institute premises had **42 Staff Members**.

2.2 Summarised Populace analysis for 2022-2023

2.2.1 Students data

The data (shared by the Institute) shows there were **443 students**.

2.2.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	03	01	04
2	Teaching staff	13	21	34
3	Non-Teaching staff	03	02	05
Total Staff Members		19	24	43

Table 2: Staff data of the Institution for 2022-2023

The staff data shows the Institute premises had **43 Staff Members**.

3. Research

3.1 Total site area

The **site area is 7 acres**

3.2 Operation and maintenance of the premises

The interview session was held with the staff regarding the operation and working hours. The Institution is open Monday to Saturday with the timings being 08:30 hours to 15:30 hours.

3.3 About the Green Building Study Audit

It is a systematic study of the aspects which make the Institution sustainable and healthy premises for its inhabitants.

3.4 Analysis of the Green Building Study Audit

The procedure included detailed verification as follows:

- ➔ Investigation
- ➔ Technical discussion with team
- ➔ Observations
- ➔ Inferences

4. Evidence



Plate 2: Initial discussion with the team

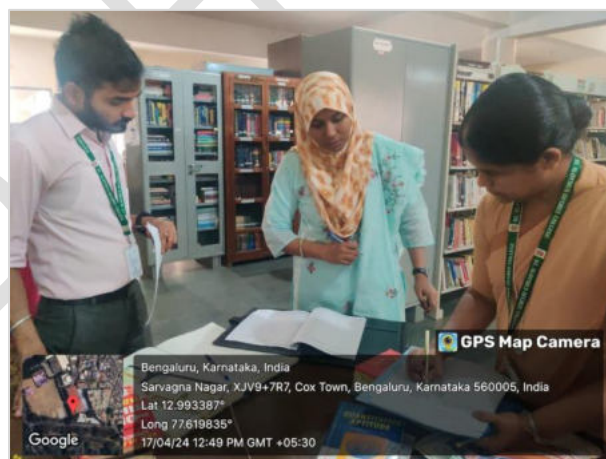


Plate 3: On-site inspection with the team



Plate 4: Detail discussion with the team

5. Observation

Survey Results

An online survey was conducted to analyse the student and staff views about the Energy management practices adopted in College, following is the result received.

5.1 Participation

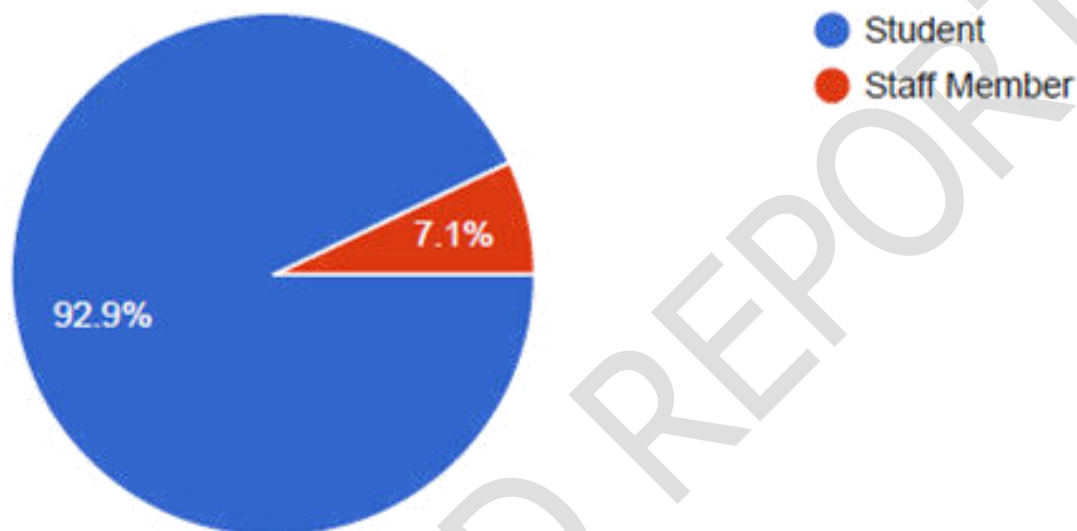


Figure 1: Participation analysis in the survey

A total of **127 responses** were received out of which 93% were students.

Note: The Participants were asked to review the practice on a scale of 1-5 with scale components as follows:

- ➔ Scale 1 – Poor
- ➔ Scale 2 – Satisfactory
- ➔ Scale 3 – Good
- ➔ Scale 4 – Very good
- ➔ Scale 5 – Excellent

The figures in each of the columns of graph depict the Number of participants responses in numerical (Percentage of the participant response) – For example 101 responses (44.5%)

5.2 About the provisions for the specially abled such as ramps/ lifts/ handrails/ staircase/ walkways adopted by Institute

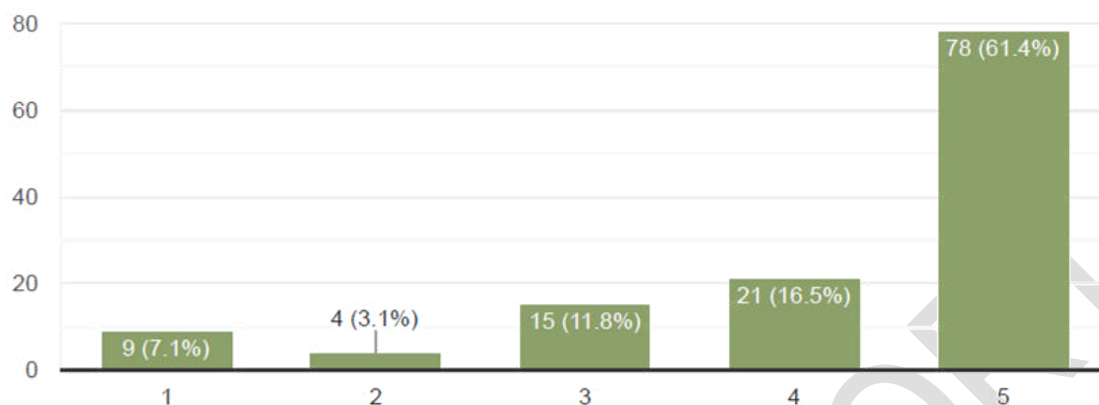


Figure 2: Provisions for the specially abled in the Institute

Observation: The students and staff almost 61% of the respondents found practices to be Excellent (Rating of 5); whereas almost 17% of the respondents found practices to be Very Good (Rating of 4); and 12% of the respondents found practices to be Good (Rating of 3).

Inference: Though the majority responses are for 'Excellent – Rating 5' are more than 50% thus this shows that practices adopted for the said section 'DOES NOT' require improvement.

5.3 About the amenities for specially abled such as Wheelchair/ Stretcher/ Display of emergency contact nos. adopted by Institute

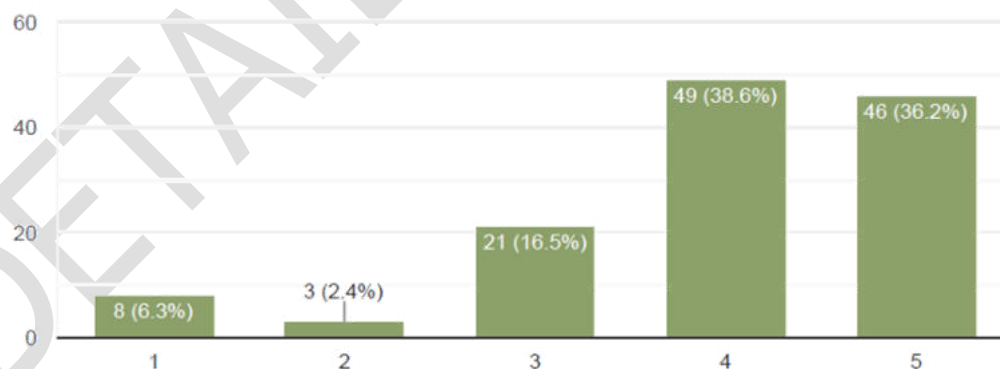


Figure 3: Amenities for specially abled in the Institute

Observation: The students and staff almost 36% of the respondents found practices to be Excellent (Rating of 5); whereas almost 39% of the respondents found practices to be Very Good (Rating of 4); and 17% of the respondents found practices to be Good (Rating of 3).

Inference: Though the majority responses are for 'Excellent – Rating 5' are less than 50% thus this shows that the practices adopted for the said section require improvement.

5.4 About the facilities for the specially abled (Handicap people) such as braille signages/ special software in library for visually and hearing impaired adopted by Institute

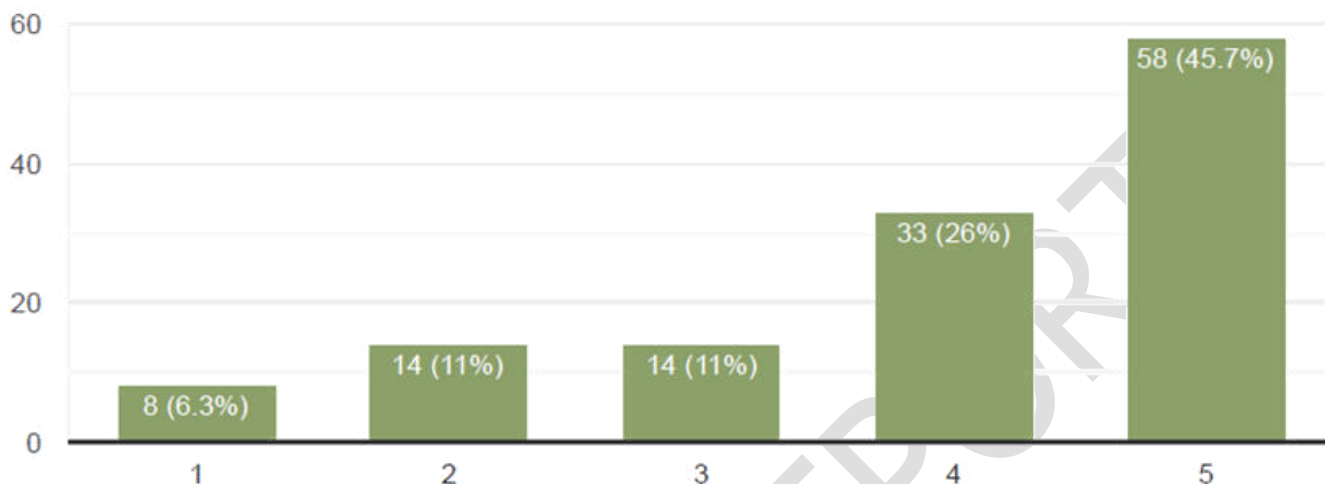


Figure 4: Facilities for the specially abled in the Institute

Observation: The students and staff almost 46% of the respondents found practices to be Excellent (Rating of 5); whereas almost 26% of the respondents found practices to be Very Good (Rating of 4); and 11% of the respondents found practices to be Good (Rating of 3).

Inference: Though the majority responses are for 'Excellent – Rating 5' are less than 50% thus this shows that the practices adopted for the said section **require improvement.**

6. Documentation

6.1 Facilities analysis

⇒ Horizontal circulation

- **One nos. of Ramp** at the entrance of the UG Block
- **Non-slippery materials** being used for outdoor and indoor areas

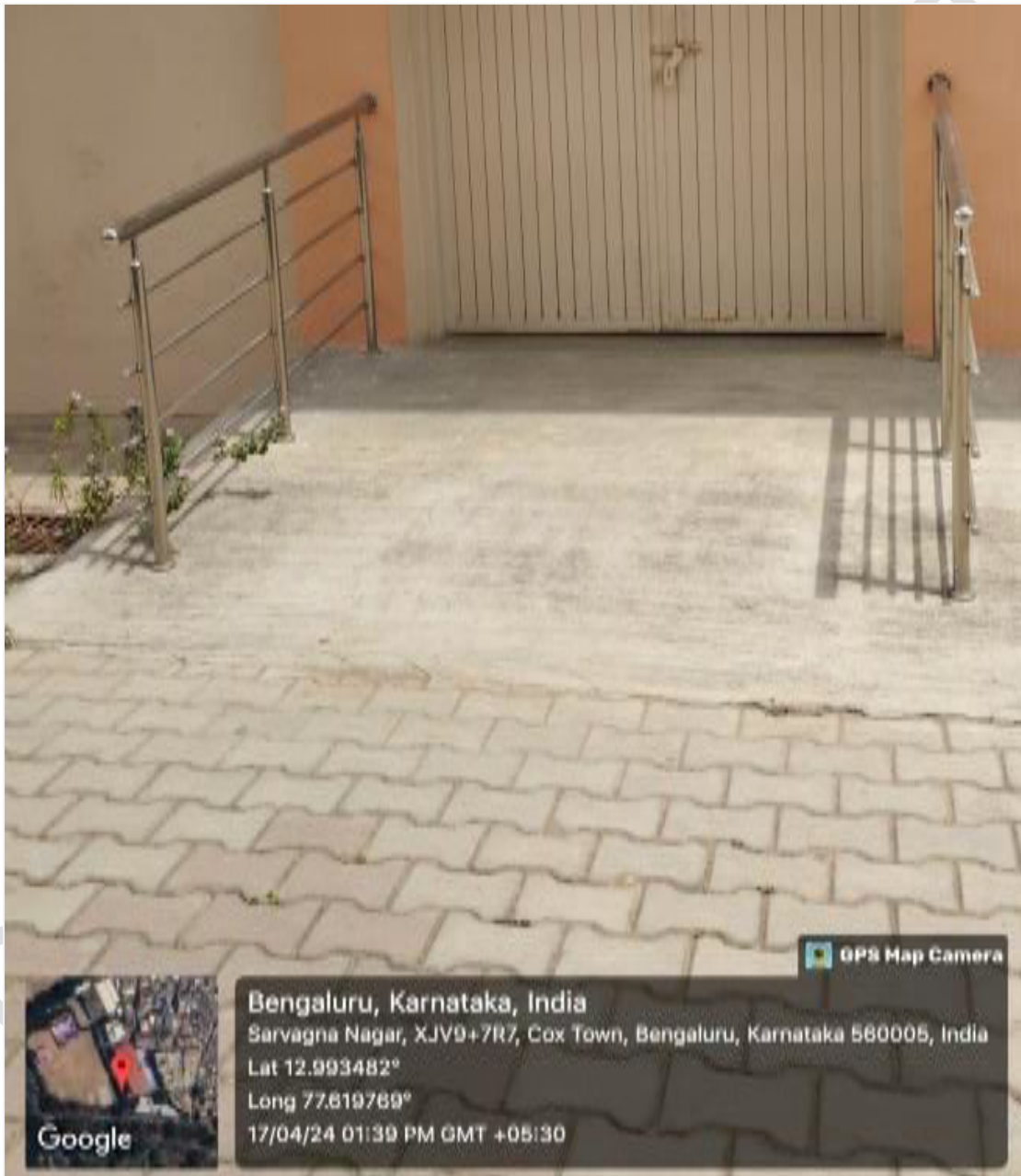


Plate 5: Ramps with handrails on both sides

➔ Medical facilities

- **Ten nos. of First aid boxes** in UG and Post Graduate Block
- **One nos. of Health centre cum medical office** in UG Block
- **Wheelchair (Nos. and photos not provided)** in UG Block

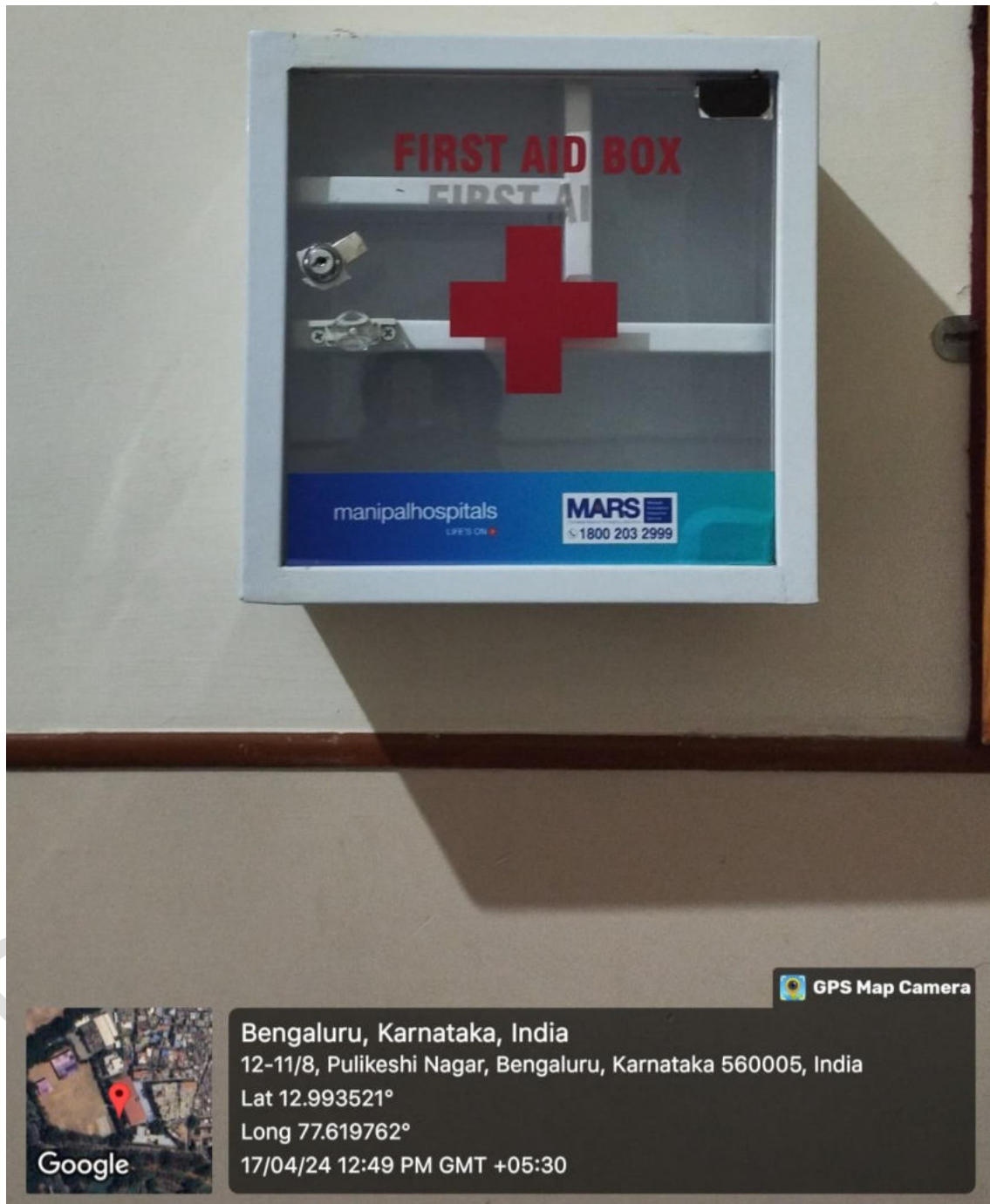


Plate 6: First Aid box in the premises

➔ Vertical circulation

- **Three nos. of staircase blocks** with two being in UG block and one in Post Graduate Block
- **One nos. of Lifts** for vertical circulation in UG Block

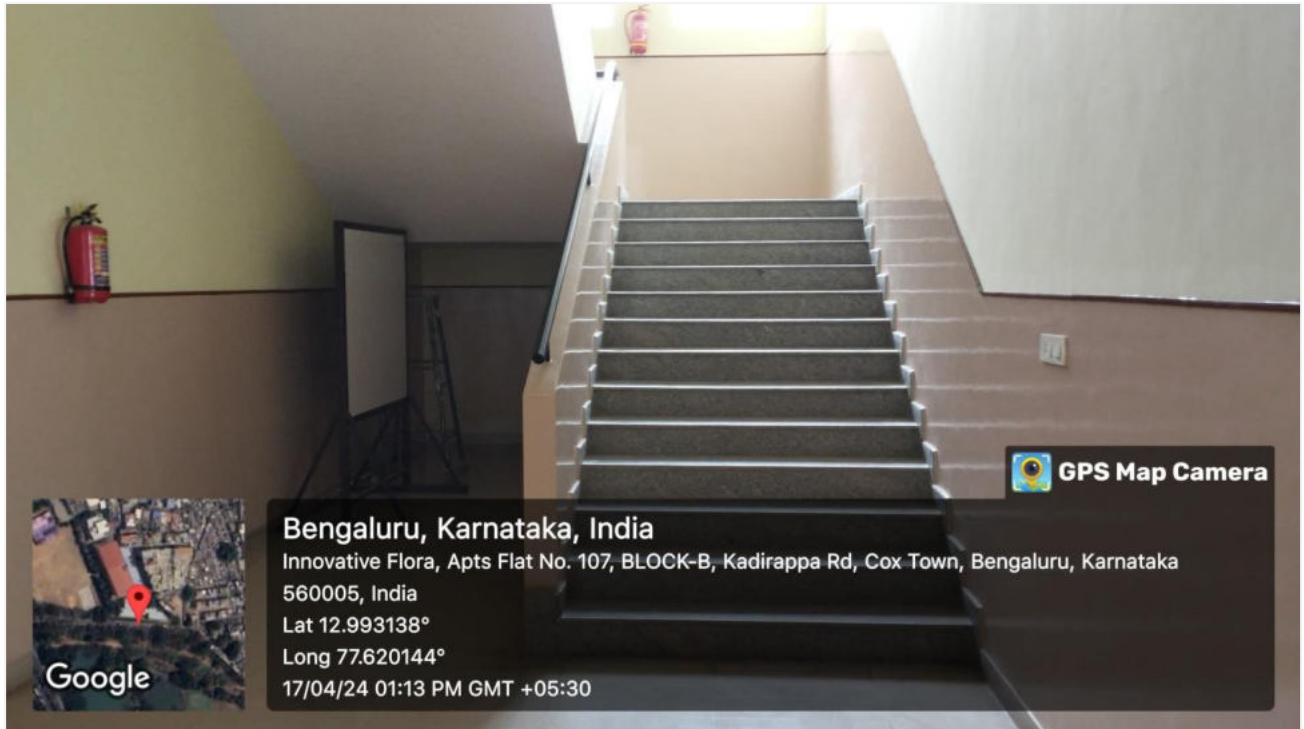


Plate 7: Staircase with only balusters

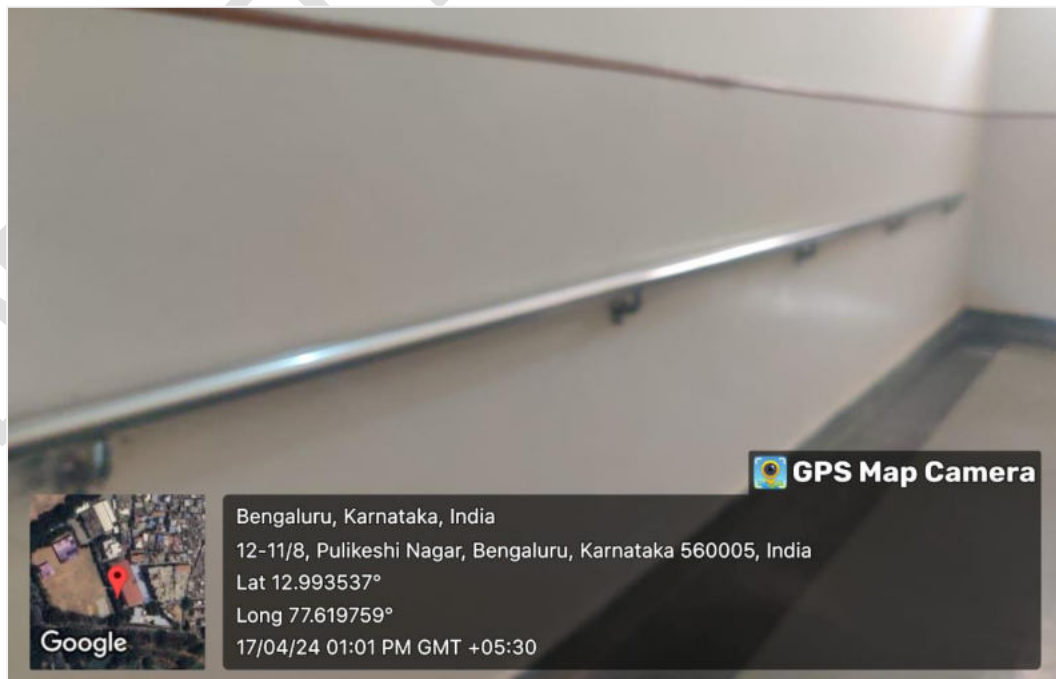


Plate 8: Corridors with handrails for support

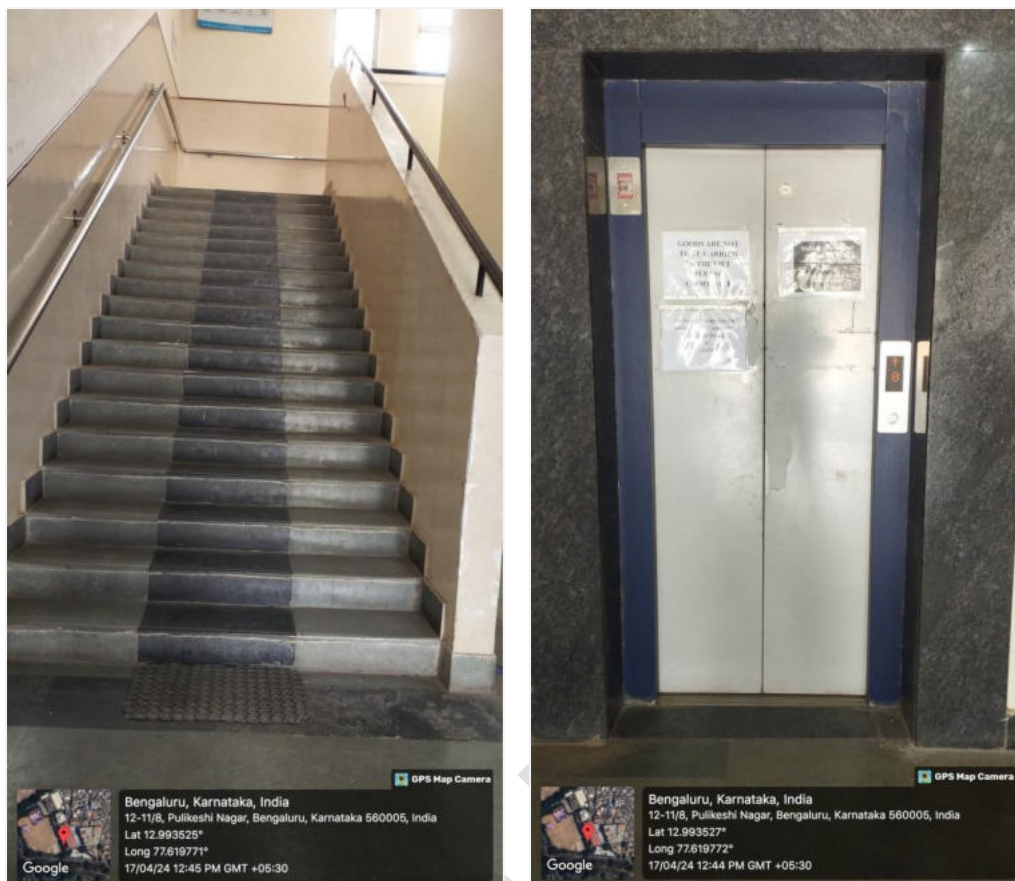


Plate 9: Staircase with handrail and lift for vertical circulation

➔ Additional facilities

- **Seventy CCTV cameras** in UG and Post Graduate Blocks
- **Four emergency systems in** UG Block

6.2 Survey of the specially abled persons

The documented data below shows the nos. of the stakeholders that are specially abled, it is purely based on the information shared by the Institute.

S. No.	Type	Particulars	Nos. of staff member	Nos. of students
1	Visual Disability	Blindness	0	0
		Low-Vision	0	0
2	Hearing Disability	Deaf	0	0
		Hard of Hearing	0	0
3	Intellectual Disability	Specific Learning Disability	0	0
		Autism Spectrum Disorder	0	0
4	Physically challenged		0	1

Table 3: Details of the specially abled populace in premises

7. Suggestion

7.1 Section-wise suggestions by external team

The following suggestions are ***not an urgent priority*** and **can be executed in 5 years from the date of the Report submission.**

- ➔ **(Horizontal Circulation) Design up gradation for Inclusive premises**
 - Handrails along the corridors in 'ALL' blocks
 - Ramps at the entrance of 'ALL' blocks
 - Handrails for support on 'ALL' the staircase blocks
 - Tactile flooring in outdoor and indoor areas
 - Signages in braille for visually impaired
- ➔ **Medical facilities**
 - Ambulance round the clock for in and around campus
 - Stretcher facilities
 - 'ADDITIONAL' Wheelchair facilities
- ➔ **Additional facilities**
 - Resting places in the form of benches in the outdoor areas
 - Display boards with all emergency contact nos.
 - Toilets for PwD
- ➔ **Facilities up gradation for Inclusive premises**
 - A dedicated help desk for assistance
 - Signages – Display boards – Signposts about Site and building access in multiple forms (Standard, electronic, large print, Braille)
 - Parking allotment for the PwD

➔ **Assistive technology and facilities**

- Information/materials provided in multiple forms (Standard, electronic, large print, Braille)
- A dedicated Centre for Assistive Technology and Innovation (CATI) at the Institute
- Library book-racks oriented in such a way that facilitates easy movement of wheelchairs.
- JOB ACCESS WITH SPEECH (JAWS) as Screen-reading computers software
- PEARL or ABRAR as open book reader software
- ORBIT as Braille reader software
- NIKI video magnifier software
- Classes imparted for hearing impaired students in medium of Indian Sign Language

DETAILED REPORT

7.2 Stakeholder suggestion as per survey

The following suggestions were provided by the stakeholders as part of the survey exercise.

- Programmes on inclusive education, human assistance
- They should be treated with care
- Lot's encouragement and support
- Wheelchairs in case of emergency
- Helping aids can be provided
- Construct the toilet and lifts
- Mid-day meal system
- Providing wheelchair, ramps everywhere and helping staffs
- They should be respected and should be taken care
- Emergency exit and many more
- Free Education+Books
- Can allow blind students assistant can be given and education for them
- Human assistant can be given to blind students
- Examination time can be given to the special students
- Blind students admission can be encouraged

8. Compilation

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

- ⇒ Disability Cornwall& Isles of Scilly.
- ⇒ IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- ⇒ Used only for understanding Universal design - Universal Accessibility Guidelines for Pedestrian, Non-motorized vehicle and Public Transport Infrastructure – Report guidelines by Samarthyam (National center for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation and www.umassd.edu
- ⇒ Accessibility study <https://www.washington.edu/>
- ⇒ Basic concepts

<https://vikaspedia.in/education/parents-corner/guidelines-for-parents-of-children-with-disabilities/types-of-disabilities>

