

ACCESS AUDIT

STUDY PERIOD (ONE YEAR) 2024 - 2025

Sustainability study

AUDIT REPORT

Studied for

CMR Engineering Educational Society's

CMR Engineering College

Kandlakoya Village, Medchal Road,
Hyderabad- 501401, Telangana, India

Studied in the capacity of

Accredited and Certified

Green Building Professional



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Disclaimer

The Audit Team has prepared this report for **CMR Engineering Educational Society's CMR Engineering College** located at Kandlakoya Village, Medchal Road, Hyderabad-501401, Telangana, 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 **CMR Engineering Educational Society's CMR Engineering College, Telangana** for assigning this important work of Disability (Access) Audit & Barrier-free premises. We appreciate the cooperation extended to our team during the entire process.

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

We are also thankful to Institute's Task force who have played a major role in data collection.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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1. Introduction

1.1 About the Institution

Established in 2010, CMR engineering college is one of the top premier private Engineering colleges in Hyderabad spreads over the vast area of 10 acres. The CMR College is authorized under All India Council for Technical Education (AICTE), New Delhi and affiliated to JNTUH. In the further journey, the college is also rated 5 Star under Institution Innovation Council, Ministry of Education, Govt of India & Achieved ARIIA Ranking.

2. Overview

2.1 Summarised Populace analysis for 2024-25

2.1.1 Students data

The data (shared by Institute) shows there were 3,049 male and 1,582 female students. Thus total 4,631 students.

2.1.2 Staff data

The data (shared by Institute) shows there were 376 staff members.

Thus, total populace stands at 5,007 nos.

2.1.3 Specially abled populace data

S. No.	Type	Particulars	Nos. of staff member	Nos. of students
1	Visual Disability	Blindness	NA	NA
		Low-Vision	20	
2	Hearing Disability	Deaf	NA	NA
		Hard of Hearing	NA	NA
3	Intellectual Disability	Specific Learning Disability	NA	NA
		Autism Spectrum Disorder	NA	NA
4	Physically challenged		NA	1 (Partially Disabled)

Table 1: Specially abled populace nos.

3. Investigation

The following results were carried out during visit on **26 February 2025**.

The areas were measures and results are noted below:

S. No.	Aspect	National Building Code (NBC) requirement – Educational Buildings	Inference
1.	Staircase width was found to be A-Block was 1.45m F-Block was 1.75m	Minimum staircase width of 1.5 meters.	Fine no changes
2.	A-Block landing width was found to be 2.1m	1.5 meters	Fine no changes
3.	F-Block lift entry 1.38m with 0.9m clear space	Lift entry points (landing openings) must have gates or doors that extend to the full height and width of the opening, with a minimum clear width of 680 mm when fully open, and the approach of the landing gate on each floor should be well-lit.	Fine no changes
4.	B-Block ramp	Mandates a maximum slope of 1:12 (8.33%) and a minimum width of 0.9 meters, with landings every 10 meters and at changes in direction.	No handrail Slope not suitable Atleast 1:4 ratio should be worked out

Table 2: Investigation

4. Documentation

The measures, facilities and amenities are documented below:

S. No.	Facilities	Nos. available	Location available block wise
1	Ramp	2	Block -B
2	Lift	2	Block -B
3	Staircase	12	Block A, B,C,D,E,F
4	Tactile pathway	1	Block -B,F
5	Tactile tiles	20	B,C,D,E,F
6	Help desk for PwD	NA	
7	Parking allotment for PwD	NA	
8	Braille signages	1	All blocks
9	Braille display boards	7	All blocks
10	Braille signpost	NA	
11	First Aid	5	Blocks A,B,C,D,F
12	Health Centre	1	Block B Gymnasium
13	Medical Office	1	Block-C
14	Wheelchair	1	block-A
15	Stretcher	1	block-A
16	Emergency System		
17	Ambulance	1 Ambulance	CMR Hospital
18	IP Cameras		
19	CCTV Cameras	335	All blocks
20	Pedestrian controlled traffic signal	NA	NA
21	Control Panel of Pedestrian Controlled Traffic Lights	NA	NA
22	Online assistive technology	2	Block -A HS HOD room
23	Dedicated Centre for Assistive Technology and Innovation (CATI)	NA	NA
24	JOB ACCESS WITH SPEECH (JAWS) as Screen-reading computers software	1	Block-A English Lab
25	PEARL or ABRAR as open book reader software	1	Block-A PPS lab

26	ORBIT as Braille reader software	1	Block-A Exam Branch
27	NIKI video magnifier software	NA	NA
28	Class outlines/notes are available for all students on accessible websites	Yes	Central Library
29	Human assistance in place with the help of ISL interpreters for deaf people	NA	NA
30	Website developed in Joomla CMS	NA	NA
31	Using free accessibility module from UserWay.org	NO	NA
32	Virtual Desktop Infrastructure (VDI)	Yes	Installed in Labs
33	Classes imparted for hearing impaired students in medium of Indian Sign Language	NO	NO

Table 3: Documentation of measures in the premises



Plate 1: Staircases and clear passages within premises

5. Compliance

The compliance study was carried out through investigative ways. This was done to understand extent of implementations based on previous reports.

- ➔ Original report study was for June 2022 to May 2023 and June 2023 to May 2024
- ➔ Renewal study is currently done for June 2024 onwards

5.1 Compliance status in form of Action taken report

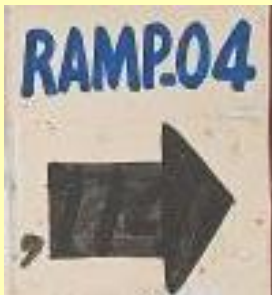

The inputs were not informed.

RENEWAL REPORT

6. Suggestion

The suggestion (inference) would act as a 'PLAN OF ACTION' for implementation.

- ➡ Conduct the 'Before' and 'After' study with photos
- ➡ Document the same in 'Action taken report'

S. No.	Location/ Aspect	Suggestion/ Sample for reference
1.	Access and circulation <u>Aspect area:</u> Vertical - Document the ramps, lifts	The lifts and ramps can be numbered-documented as – CMR EC/ RAMP/ 01 OR CMR EC/ LIFT/ 01 
2.	Access and circulation <u>Aspect area:</u> Facilities – Parking allotment	There should be a dedicated parking space allocated for parking for the specially abled with a signage  <i>Reserved parking</i>
3.	Amenities <u>Aspect area:</u> Medical	Introduce wheelchair on every floor beside the lift and include a display board: 'Wheelchair (CMR IT/ Wheelchair/ 01) for medical emergency purposes only'
4.	About current braille signage	These are meagrely displayed as image and not with braille effect; either modify or remove them
5.	Flooring carpet	Either remove the carpets or modify them for appropriate use.



		
6.	Tread repairs	<p>Certain areas have broken tread in F-Block, repair these on an immediate basis.</p> 

Table 4: Observation based suggestion study of the campus

7. 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>

