

# GREEN Audit

STUDY PERIOD (TWO YEARS) 2021 – 2022 AND 2022 – 2023

**Sustainability study**

## **RENEWAL AUDIT REPORT**

**Studied for**

**Mogaveera Vyavasthapaka Mandali's**

**Colleges of Commerce & Science**

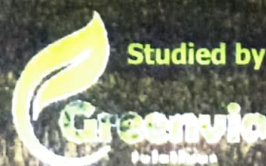
**MVM Educational Campus Marg,**

**Off. Veera Desai Road, Andheri (West), Mumbai – 400058**

**Studied in the capacity of**

**Accredited and Certified**

**Green Building Professional**



**Studied by**

Website: <https://thegreenviasolutions.co.in/>

Email: [greenviasolutions@gmail.com](mailto:greenviasolutions@gmail.com)

Valid till April 2024



## Inferences of the Site visit

Audit conducted by : Nahida Shaikh, IGBC AP, GEM CP, Architect

Accredited and Certified Green Building Professional

ASSOCHAM GEM Certified Professional Registration number 22/718

Link for the Verification website: <https://gem.assocham.org/verification>

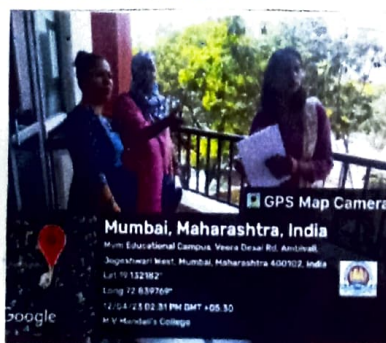
M V MANDALI'S COLLEGES OF

Institute: COMMERCE & SCIENCE Date: 12/04/2023

Audits covered: Green, Energy & Environment Day: Wednesday

Observations	Inferences
<ul style="list-style-type: none"><li>- Fire Mock drill conducted</li><li>- Extensive Fire Audit/aspect related activities undertaken</li><li>- Dust collection problem resolved as per instructions</li><li>- Energy (solar panels) under process</li></ul>	<ul style="list-style-type: none"><li>- Increase nos. of plants.</li><li>- Increase nos. of energy efficient appliances</li><li>- Improve waste &amp; water management</li></ul>

## Evidence of the site visit



Signature of Ar. Nahida Shaikh,  
ASSOCHAM GEM CP 22/718



College Name: M V Mandali's Colleges of  
Signature: Commerce & Science  
Name: Dr. Seema Rawat  
Designation: Vice Principal  
Date: 12/4/2023



For Greenvio Solutions

Signature: [Signature]

Name: Mrs F. A. Shaikh

Designation: Manager

Date: 12/4/2023



# Disclaimer

The Audit Team has prepared this report for the **Mogaveera Vyavasthapaka Mandal's Colleges of Commerce & Science** located at MVM Educational Campus Marg, Off. Veera Desai Road, Andheri (West), Mumbai – 400058 based on input data submitted by the College and analyzed 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 a 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 Hon'ble Management and College. 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 while 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 an Accredited and Certified Green Building Professional. 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 an Accredited & Certified Green Building Professional with extensive experience.

## Greenvio Solutions

*Developing Healthy and Sustainable Environments*

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

[sustainableacademe@gmail.com](mailto:sustainableacademe@gmail.com)



## Acknowledgment

The Audit Assessment Team thanks the **Mogaveera Vyavasthapaka Mandali's Colleges of Commerce & Science** for assigning this important work of Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks to all the Managing Committee members of the Mogaveera Vyavasthapaka Mandali, Mumbai for selecting us to do the Green Audit.

Our heartfelt thanks to the Chairperson of the entire process **Dr. Gopal Kalkoti**, Principal, for the valuable input.

We are also thankful to **College's Taskforce the faculty members** who have collected data required **Dr. Seema Rawat**, Vice-Principal and **Asst. Prof. Anita Chaudhary**, Co-ordinator - B.M.S (Special mention for the excellent coordination).

We highly appreciate the assistance of the **entire Teaching, Non-teaching, and Admin staff** for their support while collecting the data.

### Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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# 1. Introduction

## 1.1 About Mogaveera Vyavasthapaka Mandali

It was established in the year 1902. It has completed 118 glorious years of Academic, Socio-Economic, and Cultural Excellence.

**The MVM has been awarded the Karnataka Rajyotsava Prashasti for 2012 by Karnataka State Government.** The courses offered by the College are documented below:

- Bachelor of Management Studies - (B.M.S)
- Bachelor of Science (Information technology) - B.Sc. I.T
- Bachelor of Commerce (Accountancy & Finance) - B.Com (A&F)
- Bachelor of Commerce - B.Com
- Bachelor of Commerce (Actuarial Studies) - B.Com (A.S.)
- Master of Commerce (Advanced Accountancy)

## 1.2 Populace analysis

### 1.2.1 Students data

- The student data (shared by the College) shows there were a total of **497 male and 343 female students** thus **a total of 840 students** in the premises in the academic year 2021-2022.
- The student data (shared by the College) shows there were a total of **370 male and 516 female students** thus **a total of 886 students** in the premises in the academic year 2022-2023.

### 1.2.2 Staff data

- The staff data shows the premises had 10 male and 20 female staff members; thus a **total of 30 Staff Members** in the premises in the academic year 2021-2022.

- The staff data shows the premises had 16 male and 17 female staff members; thus a **total of 33 Staff Members** in the premises in the academic year 2022-2023.

### 1.3 Total College Area & College Building Spread Area

The **total site area is 2.12 Acres** and the **total Built-up area of the College is 45,544 sq. ft.** for a **total of 919 footfalls.**

### 1.4 Timeline of activities for research

As the College had undergone a renewal for the Academic year 2021-2022 and 2022-2023, data collection processes for verification purposes were asked to be submitted. The report has been prepared based on the inputs provided for immediate action for improvement in this subject.

- Discussion with the College
- Allotment and Initiation by the College
- Process discussion with team
- Data submitted by College
- Submission of the files



## 2. Compliance

The compliance study was carried out through investigative ways. This was done to understand the extent of suggestions and their implementations based on previous report of Academic years 2019-2020 and 2020-2021. The details as per previous Report dated 23 May 2022 are documented below:

Sr. No	Recommendation Title	Compliance Status
1.	Increase the plantations on the premise	Provision for same is in process.
2.	Plant as a gift	Suggestion is being implemented
3.	Environmental awareness	Students engaged in various extension units are engaged in conducting environment related activities.
4.	Tree adoption scheme	Provision for same is in process.
5.	Signages on the plants mentioning scientific names	Provision for same is in process.
6.	Zero Waste practice adoption	Currently waste is being managed by BMC.
7.	Incinerators	Provision for same is in process.
8.	Signages	Provision for same is in process.
9.	Material of the dustbin	Provision for same is in process.
10.	Waterless urinals	The suggestion will be implemented at the time of renovation or redevelopment.

*Table 1: Details of the compliance study*



## 3. Inferences

### 3.1 Section-wise recommendations

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

#### 3.1.1 Stakeholder participation

- **Environmental awareness** - There can be various artworks on the compound wall giving the message of saving the environment through the joint efforts of the students and staff thereby making the student socially and environmentally responsible citizens.

#### 6.1.2 Waste management

- **Twin Dual Litter Dustbin Bins** - There should be more number of dual litter dustbins at various locations in areas such as Canteen, and open spaces. This would inculcate the awareness of waste segregation among students.
- **Signages** - Messages about avoiding wastage should be placed at appropriate locations.
- **Material of the dustbin** - The current plastic dustbins should be replaced with eco-friendly material.

#### 3.1.3 Water management

**Rain water bunds** – There should be landscape beautification project undertaken to appropriate channelize the rain water through bunds and similar facilities.

#### 3.1.4 Hygiene management

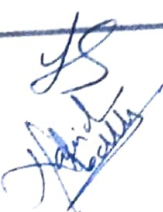





**Compound wall** – The compound wall should have awareness messages about 'No Smoking' and 'No Tobacco'

## Induction Meeting

M V MANDALI'S COLLEGES OF

Institute: COMMERCE & SCIENCE Date: 12/04/2023

Audits covered: Green, Energy & Environment Day: Wednesday

S. No	Name	Designation	Signature
1.	MRS. FARIDA SHAIKH [EXTERNAL TEAM]	CO-ORDINATOR	
2.	AR NAHIDA ABDULLA [EXTERNAL EXPERT]	PROJECT HEAD	
3.	DR. SEEMA RAWAT (INTERNAL MEMBER)	NICE PRINCIPAL	
4.	MS. ANITA CHAUDHARY (INTERNAL MEMBER)	IQAC COORDINATOR	
5.	DR. NAVSIN MISTRY (INTERNAL MEMBER)	SENIOR FACULTY	
6.	MR. VISHWANATH ACHARYA (INTERNAL MEMBER)	SENIOR FACULTY	

College Name: M V Mandali's Colleges of  
 Signature: Dr. Seema Rawat  
 Name: Dr. Seema Rawat  
 Designation: Vice Principal  
 Date: 12/4/2023







For Greenvio Solutions  
 Signature: [Signature]  
 Name: Mrs F. A. Shaikh  
 Designation: Manager  
 Date: 12/4/2023





### Exit Meeting

Institute: M V MANDALI'S COLLEGES OF COMMERCE & SCIENCE Date: 12/04/2023  
Audits covered: Green, Energy & Environment Day: Wednesday

S. No	Name	Designation	Signature
1.	MRS FARIDA CHAIKH [EXTERNAL EXPERT] TEAM	CO-ORDINATOR	
2.	DR NAHIDA ABDULLA [EXTERNAL EXPERT]	PROJECT HEAD	
3.	DR SEEMA RAWAT VICE PRINCIPAL (INTERNAL MEMBER)	VICE PRINCIPAL	
4.	MRS ANITA CHAUDHARY (INTERNAL MEMBER)	IQAC COORDINATOR	
5.	DR. NAVSIN MISTRY, (INTERNAL MEMBER)	SENIOR FACULTY	
6.	MIR VISHWANATH ACHARYA (INTERNAL MEMBER)	SENIOR FACULTY	

College Name: M V Mandali's Colleges  
Signature: Dr. Seema Rawat  
Name: Dr. Seema Rawat  
Designation: Vice Principal  
Date: 12/4/2023

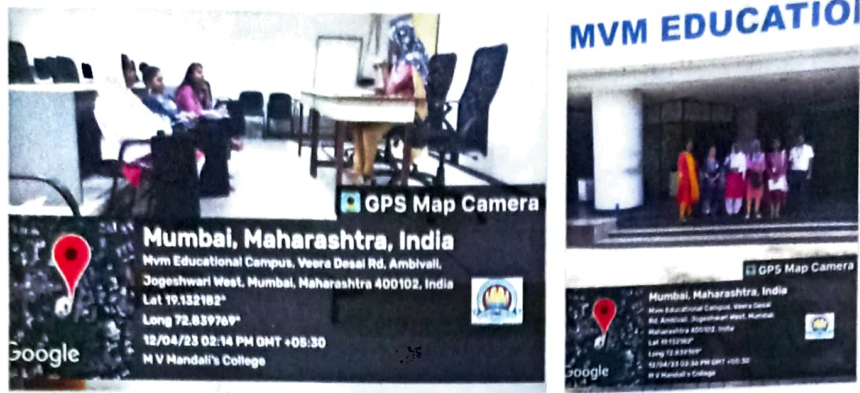


For Greenvio Solutions  
Signature: Mrs F. A. Shaikh  
Name: Mrs F. A. Shaikh  
Designation: Manager  
Date: 12/4/2023

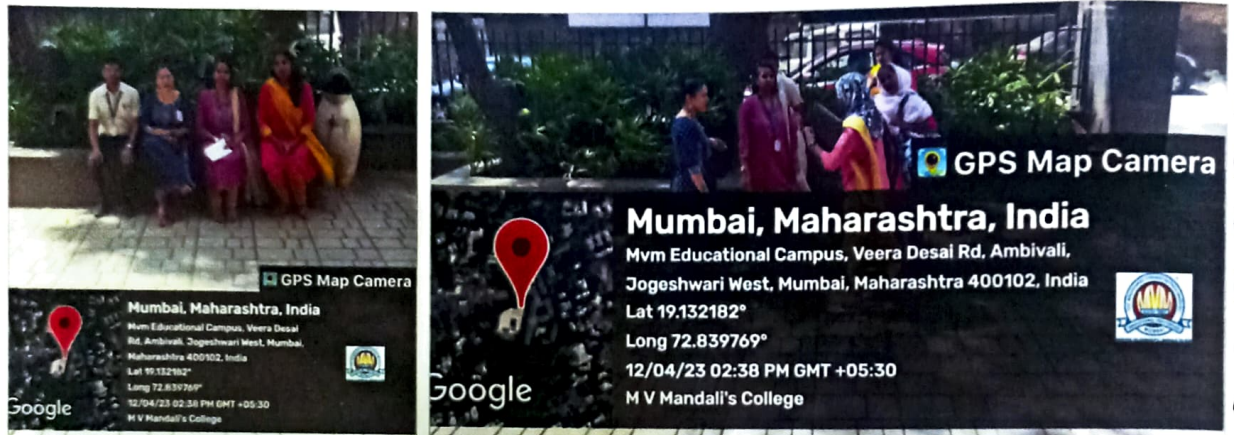




**On-site investigation and physical verification**  
Audit Team during the visit and other photos collected during data documentation



Meeting with the core team including Vice Principal and Co-ordinator



Seating area as user-friendly zone in premises; On-site discussion with the core team



Evidences about the Fire and Life safety practices; Discussion about development of the break-out zone



Waste management practices in the premises



## 4. Compilation

The study is based on the data collected, analysed, 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 analyse and study the data collected.

- Uniform Plumbing Code – India, 2008
- IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- IGBC Green Landscape Rating system, March 2013
- BOMA Canada Waste Auditing Guide, Best Environmental Standards, BOMA BEST – Canada
- 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](http://www.umassd.edu)
- The city of Cheyenne, Streetscape/ Urban Design elements - Wyoming Planning Association, Gillette, Wyoming, United States
- Images on site by Coordinators of the both teams

