

## 7.1.2: The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

### 1. Alternate sources of energy and energy conservation measures

#### a) 5KW solar roof panel installed by college as a part of project of final year students

In year 2016-17, college provided funds to install solar roof panels which were further implemented as a renewable energy source projects. The energy generated is 5KWatt and hence successfully utilised by the utility. There is great reduction in use of energy from MSEB and hence this project is also can be categorised as a revenue generation system.

#### Specifications of solar panels

Sr no	Parameter	Specification
1	Number of cells and connections	72 in series
2	Open circuit voltage	45.25V
3	Maximum voltage	36.75V
4	Short circuit current	9.29A
5	Maximum current	8.58A
6	Efficiency	12.3%



## b) Use of Solar Heater at Girls Hostel (2000 Liter capacity.)



## 2. Management of the various types of degradable and non-degradable waste

Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

a) **Solid waste management:** In order to manage the solid waste the Garbage is collected by housekeeping personnel and transported to disposal site. The garbage is used for making the composted fertilizers which can provided to plants in the garden. Solid waste management took grand initiative to provide the waste of iron and other type of machine waste is given to the workshop or students for their projects related with the course.





**b) Liquid waste management:** Day by day in this region water level is depleting, which necessitates the recharging of the ground water source. The water storage of rain water helpful to increase ground water level. Therefore, the institute has designed and implemented water harvesting system in which roof water is channelized towards bore wells to raise the ground water level. On campus two plants of water harvesting are in operation. Chemicals and hazardous materials used for practical purpose are purchased as per requirement and there is no question of managing disposing outdated chemicals.

**c) E-Waste management:** This waste includes the discarded keyboards, CPU, & other equipment's. Which take in hardware lab for the knowledge to students about the internal parts. This is E-waste is available in the computer lab for the basic knowledge and practical knowledge enhancement of the student. Some the equipment's are reuse for maintenance purposes. Also irreparable electronic goods and damaged computers are sold to scrap vendor. UPS Batteries are exchanged by the suppliers. Obsolete computers are buy-backed with new ones.



## Program on “ e-Waste Management”

on 22 September 2021.



The poster features a central image of a hand holding a smartphone with a green recycling symbol on the screen. Surrounding the phone are various icons representing environmental and technological themes: a wind turbine, a leaf, a water drop, a sun, a lightbulb, and a recycling symbol. The background is a vibrant green with a blurred pattern of leaves.

**GODAVARI COLLEGE OF ENGINEERING & POLYTECHNIC, JALGAON**  
P-51, Addl.MIDC, Bhusawal Road, Jalgaon-425003

Godavari Foundation's

APPROVED AFFILIATED & ACCREDITED

**E-WASTE Management Program**

22 September 2021 10:30 AM

GF'S Godavari College of Engineering, Jalgaon

Organized By  
Department of Computer Engineering

Program co-ordinator:-Prof. Jayshri Patil

Godavari Foundation's Godavari College of Engineering, Jalgaon, Department of computer Engineering Conducted a program on “E-Waste Management” in Computer Department at 10:30 AM.

The aim of the program to spread awareness about e-Waste.

The following topics were presented:

- Introduction to e-waste
- Composition of e-waste
- Environmental, safety & Health Hazards of e-waste
- E-waste management rules
- E-waste collection, dismantling and recycling

**The program was attended by total 52 students**

The program was conducted by Prof. Jayashri J. Patil, Assistant Professor in Computer Engineering Department

### What is Waste?

An unwanted and unusable materials, Waste is any substance which is discarded after primary use, or is worthless

### Major types of waste generated

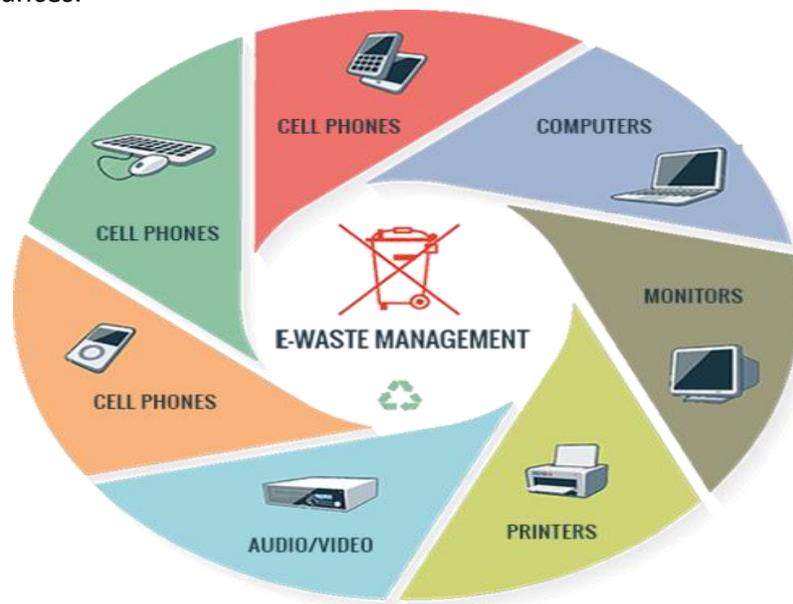
1. Food Waste;
2. Plastic;
3. Paper;
4. Aluminum foils;
5. **Electronic Devices(e-Waste);**

**E-Waste Introduction:**

Like hazardous waste, the problem of e-waste has become an immediate and long term concern as its unregulated accumulation and recycling can lead to major environmental problems endangering human health. The information technology has revolutionized the way we live, work and communicate bringing countless benefits and wealth to all its users. The creation of innovative and new technologies and the globalization of the economy have made a whole range of products available and affordable to the people changing their lifestyles significantly. New electronic products have become an integral part of our daily lives providing us with more comfort, security, easy and faster acquisition and exchange of information. But on the other hand, it has also led to unrestrained resource consumption and an alarming waste generation. Both developed countries and developing countries like India face the problem of e-waste management

**Composition of E-waste:**

E-waste consists of all waste from electronic and electrical appliances which have reached their end- of- life period or are no longer fit for their original intended use and are destined for recovery, recycling or disposal. It includes computer and its accessories monitors, printers, keyboards, central processing units; typewriters, mobile phones and chargers, remotes, compact discs, headphones, batteries, LCD/Plasma TVs, air conditioners, refrigerators and other household appliances.



The composition of e-waste is diverse and falls under ‘hazardous’ and ‘non-hazardous’ categories

## Students Attendance

Total 52 students attended the program

## Students Attendance screenshots

Name	Sign
① Devyani Y. Gotiwale	① Gotiwale.
② Neha M. Kolte	② N. M. Kolte.
③ Gaurav S. Sonar	③ Sonar
④ Tarunmum Tudevi	④ Tudevi
⑤ Ajay O. Talele	⑤ A. Talele
⑥ Anant K. Dusane	⑥ A. Dusane
⑦ Ruskikesh Chaudhari	⑦ Chaudhari
⑧ Aditi A. Khachane	⑧ Khachane
⑨ Swati S. Sarode	⑨ Swati Sarode
⑩ Mahendru I. Mishra	⑩ Mishra
⑪ Nandharaj D. Patil	⑪ Patil
⑫ Gaurav Patil	⑫ Patil
⑬ Jatin Bhole	⑬ Jatin Bhole
⑭ Dip Patil	⑭ Patil
⑮ Koushal Sanjay Patil	⑮ Patil
⑯ Tejas Vikas Rane	⑯ Rane
⑰ Himanshu Nitin Patil	⑰ Patil
⑱ Mohit G. Paedeshi	⑱ Paedeshi
⑲ Mayur Pandurang Jagtap	⑲ Jagtap
⑳ Vijay N. Mahajan	⑳ Mahajan
㉑ Mayur P. Patil	㉑ Patil
㉒ Yogeshwar Koli	㉒ Koli
㉓ Pansari Shirename	㉓ Pansari
㉔ Roshani Gupta	㉔ Gupta
㉕ Tejas Supe	㉕ Supe
㉖	

- 26) Raghikesh Kishor Patil
- 27) Konika Anamandra patil
- 28) Himali Dhananjay chaurani
- 29) Tanya Nawal
- 30) Pashwini Shinde
- 31) Kirean Yeole
- 32) Chaitany Rame
- 33) Deep Pareshi
- 34) Prathmesh Khoske
- 35) Devashish Patil
- 36) Mayur Chopde
- 37) Harshada Kshirsagar
- 38) Kanak Chaudhary
- 39) Mohini Patil
- 40) Rishikesh v. Rutana
- 41) Ashish Vikas Patil
- 42) Snehal Gajanan. Patil
- 43) Prashant Vijay Patil
- 44) Nikil Borase
- 45) Richa Suryawanshi Suryawanshi
- 46) Sakshi Gajanan ~~Patil~~ Wankhede
- 47) Prajwal Rajesh Patil
- 48) Dipali Rameshwar Khodake
- 49) Dhanshri Bhamre
- 50) Pragwal Nankhede
- 51) Kunal Patil
- 52) Himanshu Krishna Jangid.

- 26) ~~Patil~~
- 27) ~~Patil~~
- 28) Pchaurani
- 29) Tan
- 30) Patil
- 31) Kiren
- 32) Chush
- 33) M
- 34) PA Khoske
- 35) Dev...
- 36) Mayur...
- 37) Kshirsagar
- 38) Kanak
- 39) Patil
- 40) Patil
- 41) Patil
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- 46) Patil
- 47) Patil
- 48) Patil
- 49) Patil
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- 51) Patil
- 52) Patil

### 3. Water conservation

#### a) Two plants of Rain water harvesting

Day by day in this region water level is depleting, which necessitates the recharging of the ground water source. The water storage of rain water helpful to increase ground water level. The institute has designed and implemented water harvesting system in which roof water is channelized towards bore wells to raise the ground water level. On campus two plants of water harvesting are in operation. . In Monsoon season, plant can accommodate lacs liter of rain water. Rain water harvesting is a method used to collect, convey and store rain water for later use. The institute took a step in order to implement rain water harvesting. This step of water harvesting is very helpful to overcome the shortage of water for purposes.



#### b) Drip Irrigation to all tress/shrubs in the campus





## 4. Green campus initiatives

### Green Practices

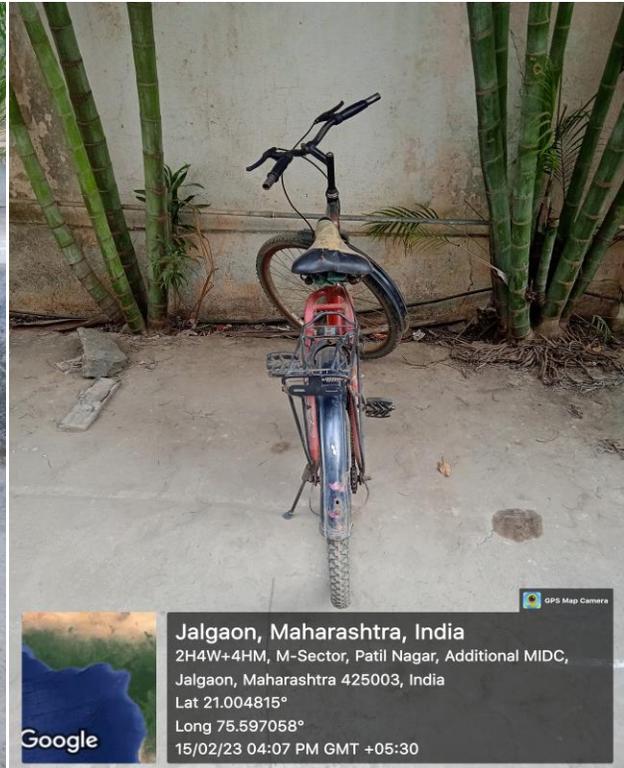
Students, staff using

#### a) Use of bicycles/Battery-powered vehicles

In our college some students use bicycle for reaching the college, we suggest the student to use bicycle due to that pollution should be avoided & traffic should be minimize. And for that our college provided the separate bicycle stand for keeping the bicycle in parking.







**b)Public transport:** In our college most of student travels in college buses or public transport such as bus or auto.



**c)Pedestrian's friendly roads:** In our college we provide the pedestrian rights-of-way for walking purpose. In college campus there is cement-concrete road are available & which are neat & clean.



157, M-Sector, Patil Nagar, MIDC, Jalgaon, Maharashtra  
425003, India

Latitude 21.004423333333334° Longitude 75.59673333333333°

Local 12:32:24 PM Altitude 230.6 meters  
GMT 07:02:24 AM Friday, 01-04-2022

157, M-Sector, Patil Nagar, MIDC, Jalgaon, Maharashtra  
425003, India

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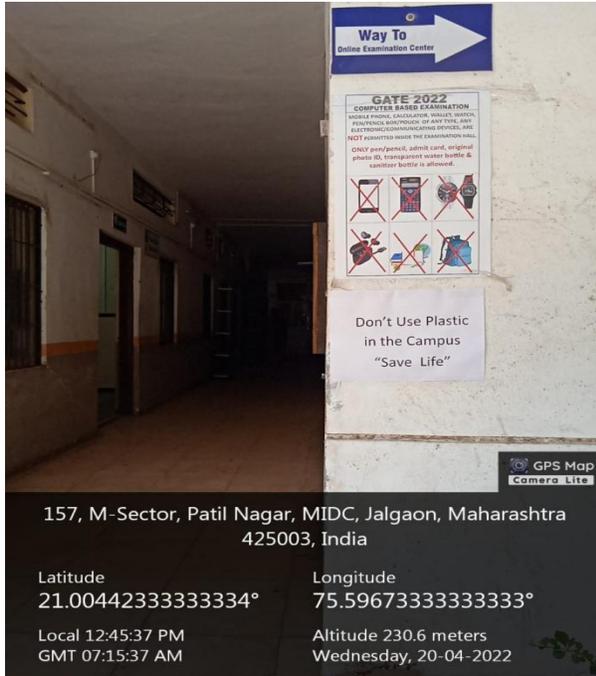


157, M-Sector, Patil Nagar, MIDC, Jalgaon, Maharashtra  
425003, India

Latitude 21.004423333333334° Longitude 75.59673333333333°

Local 12:22:49 PM Altitude 230.6 meters  
GMT 06:52:49 AM Friday, 01-04-2022

**d)Plastic free campus:** Our college campus is free from plastic ,we provide the dustbin at every place & due to the use of dustbin there is no any type of waste plastic in campus & we suggest & aware the staff as well as students to avoid most of use of plastic.



**e)Green landscaping with trees and plants:** Our college campus is cover with green plants & trees in that various types of tress are planted. In front of college there is the garden is available, due to the greenery there is fresh air & good environment created.

**i)Tree plantation activity in every academic year**





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Latitude  
21.004423333333334°

Longitude  
75.59673333333333°

Local 12:34:12 PM  
GMT 07:04:12 AM

Altitude 230.6 meters  
Friday, 01-04-2022

GPS Map  
Camera Lite

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425003, India

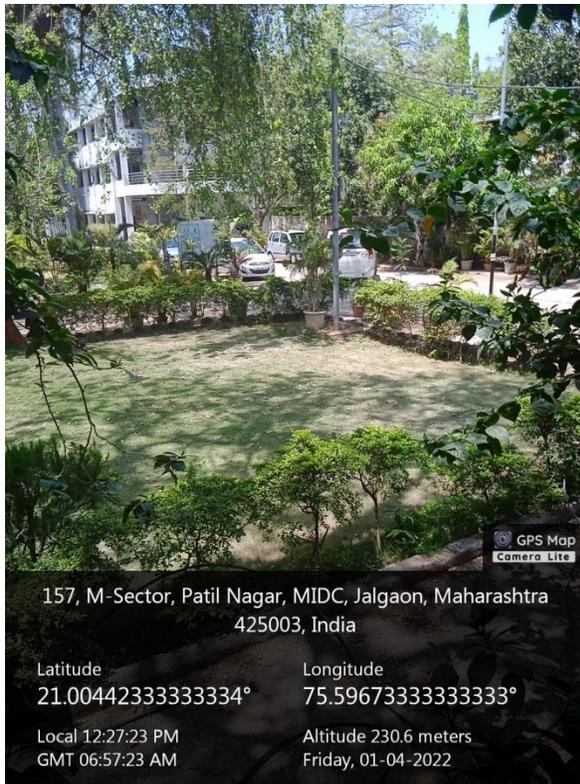
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Friday, 01-04-2022

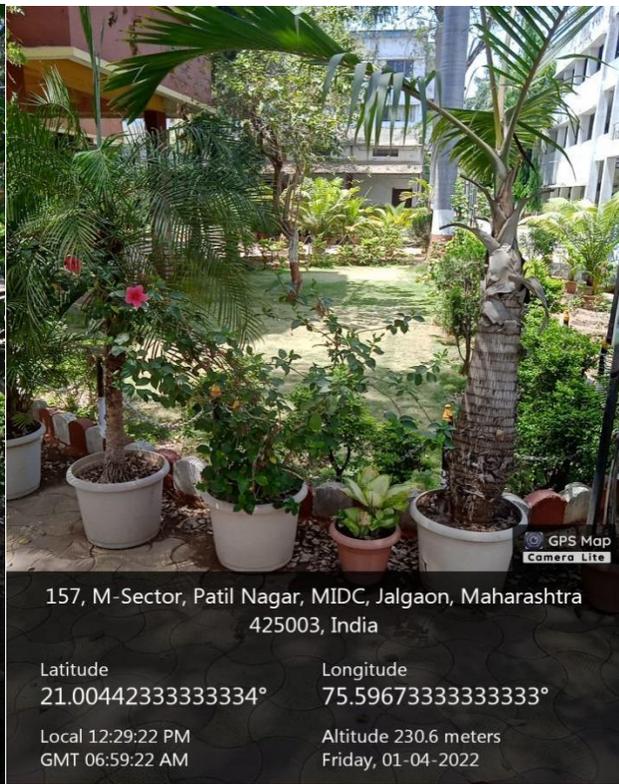
GPS Map  
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157, M-Sector, Patil Nagar, MIDC, Jalgaon, Maharashtra  
425003, India

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GMT 06:57:23 AM Friday, 01-04-2022



157, M-Sector, Patil Nagar, MIDC, Jalgaon, Maharashtra  
425003, India

Latitude 21.004423333333334° Longitude 75.59673333333333°

Local 12:29:22 PM Altitude 230.6 meters  
GMT 06:59:22 AM Friday, 01-04-2022

ii) Aware students about the Importance of Environment

  
 Godavari Foundation's  
**GODAVARI COLLEGE OF ENGINEERING, JALGAON**  
 \* Celebrates \*  
**WORLD Environment Day**  
 Organized by  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
 Initiated by  
**MESA**  
**Bhavesh Patil**      **Amit Nehete**  
*President, MESA*      *Vice President, MESA*  
**Prof. Pravin S. Patil**    **Prof. Tushar. A. Koli**    **Dr. V. H. Patil**  
*MESA, Faculty Member*    *H.O.D. Mechanical*      *Principal*  
*GF'S GCOE, Jalgaon*      *GF'S GCOE, Jalgaon*      *GF'S GCOE, Jalgaon*  
**Join us on 5th June 2021, at 11 am**  
 on  
**Google Meet**  
<https://meet.google.com/azc-gtqk-sms>  




## गोदावरी अभियांत्रिकी व नर्सिंग महाविद्यालयात जागतिक पर्यावरण दिन उत्साहात साजरा

जळगाव - जागतिक पर्यावरण दिन दरवर्षी ५ जून रोजी साजरा केला जातो. पर्यावरणाशी संबंधित विविध विषय, घटक आणि समस्यांकडे लक्ष वेधून त्याबद्दल जागरूकता निर्माण करणे आणि महत्वाच्या बाबींविषयी तातडीने पावले उचलणे असा हा दिवस साजरा करण्यामागचा हेतु आहे. जगभरातले अनेक देश आणि लाखो लोक दरवर्षी यात सहभागी होतात. यावर्षी जागतिक पर्यावरण दिनाची थीम इको सिस्टीम रिस्ट्रिशन अशी आहे.

हेच निमित्त साधून गोदावरी अभियांत्रिकी महाविद्यालयात यंत्र विभाग, विद्युत विभाग आणि पॉलिटेक्निक विभाग यांच्या माध्यमातून वेगवेगळ्या संकल्पनेच्या आधारे जागतिक पर्यावरण दिन ५ जून रोजी उत्साहात साजरा करण्यात

आला. यंत्र विभागामार्फत मेकॅनिकल इंजि.स्टुडंट असो.च्यावतीने जागतिक पर्यावरण दिन गुगल मिटच्या माध्यमातून व्हर्चुअली साजरा करण्यात आला. या कार्यक्रमात जवळपास ११० विद्यार्थी उपस्थित होते. यात विद्यार्थ्यांनी सादरीकरणाच्या माध्यमातून जागतिक पर्यावरण दिनाचे महत्त्व विशद केले. यंत्र विभाग प्रमुख प्रा.तुषार कोळी यांनी असेच उपक्रम विद्यार्थ्यांच्या माध्यमातून नियमित राबविण्यासाठी आवाहन केले. जेणेकरून विद्यार्थ्यांचे संवाद व सादरीकरण कौशल्य वाढीस लागेल. प्राचार्य डॉ.विजय एच पाटील यांनी कार्यक्रमाबद्दल विद्यार्थ्यांचे कौतुक करून जागतिक पर्यावरण दिनाबद्दल सखोल माहिती दिली.



कार्यक्रमासाठी प्रा.प्रविण पाटील, तसेच प्राध्यापक वृंद यांचे सहकार्य लाभले. सूत्रसंचालन वर्षा पाटील या विद्यार्थ्यांनीने केले. तसेच पॉलिटेक्निक महाविद्यालयात आणि विद्युत अभियांत्रिकी विभागातर्फे प्रश्रमंजुषा स्पॅर्षा घेण्यात आली. त्यामध्ये पॉलिटेक्निक महाविद्यालयाचे राज्यस्तरीय टॅक्निकल क्रीड कॉन्व्हेन्शनचे आयोजन केले होते. ही स्पॅर्षा सर्व तंत्रनिकेतनच्या सर्व शाखांच्या

विद्यार्थ्यांसाठी घेण्यात आली. या स्पर्धेमध्ये ७०० च्यावर विद्यार्थ्यांनी सहभाग नोंदविला तसेच प्रश्रमंजुषेनंतर विद्यार्थ्यांना ई-सर्टिफिकेटचे वाटप करण्यात आले. यशस्वीतेसाठी पॉलिटेक्निकचे प्रा.जुनेरिया शेख, प्रा.शुभम राठोड यांनी परिश्रम घेतले. त्यांना पॉलिटेक्निकचे समन्वयक प्रा.दिपक झांबरे, प्रा.कैलास मखिजा यांचे सहकार्य लाभले. तसेच अभियांत्रिकीच्या विद्युत विभागामार्फत इलेक्ट्रिकल इंजि.स्टुडंट असोसिएशनतर्फे घेण्यात आलेल्या प्रश्रमंजुषा स्पॅर्षा शोकडो



गोदावरी नर्सिंग महाविद्यालयाने सामुदायिक आरोग्य नर्सिंग विभागाने प्रशासकीय अधिकारी प्रविण कोल्हे यांच्या मार्गदर्शनाखाली जागतिक पर्यावरण दिन साजरा केला. यावेळी प्रा.सावित्री सिंग ह्यांनी पर्यावरणाचे महत्वाचे विशद केले.

विद्यार्थ्यांनी सहभाग नोंदविला. यशस्वीतेसाठी प्रा.कोमल इंगळे यांच्यासह प्राध्यापकांनी सहकार्य केले. विभागप्रमुख पा.अतुल बन्हाटे यांनी मार्गदर्शन केले. यावेळी प्राचार्य डॉ.विजय एच पाटील, उपप्राचार्य प्रा.प्रविण फालक, अकेडमिक डीन प्रा.हेमंत इंगळे यांच्यासह प्राध्यापक वृंद उपस्थित होते.

## 5. Disabled-friendly, barrier free environment

### a) Ramps



157, M-Sector, Patil Nagar, MIDC, Jalgaon, Maharashtra 425003, India

Latitude 21.004423333333334° Longitude 75.59673333333333°

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## b) Disabled friendly washroom



## c) Display boards and signpost



**d) Solar power automated wheel chair**

