

M V G R COLLEGE OF ENGINEERING(A)

Chintalavalasa, Vizianagaram-535005

Accredited by NAAC with 'A' Grade & Listed u/s 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi and Permanently Affiliated by JNTUK-Kakinada)

Metric No: 7.1.5

DVV Comment:

Provide Link to Geo tagged photos of (Pedestrian Friendly pathways, landscaping with trees and plants) and videos with date and caption. Provide Bills and invoice/purchase order/AMC in support of (Ban on use of Plastic Restricted entry of automobiles).

HEI Response

Provide Link to Geo tagged photos of (Pedestrian Friendly pathways, landscaping with trees and plants) other such details are provided:

s.no	Name	Page Nos
1	Geo tagged photos	01 to 28
2	Details related to 1. Restricted entry of automobiles 2. Use of Battery powered vehicles 3. Pedestrians Friendly pathways 4. Landscaping with trees and plants 5. Green Campus pics	29 to 40
3	Green Campus Award	41 to 46

7.1.5 GREEN CAMPUS INITIATIVES INCLUDE

GEOTAGGED PHOTOS OF THE INITIATIVES



MVGR COLLEGE OF ENGINEERING (A)

(Accredited by NBA, Graded A by NAAC of UGC Approved by AICTE, New Delhi, and permanently affiliated to JNTU, Kakinada Listed U/S 2(F) &12(B) of the UGC Act 1956.)

VIZIANAGARAM – 535 005 (A.P.)

Campus Layout

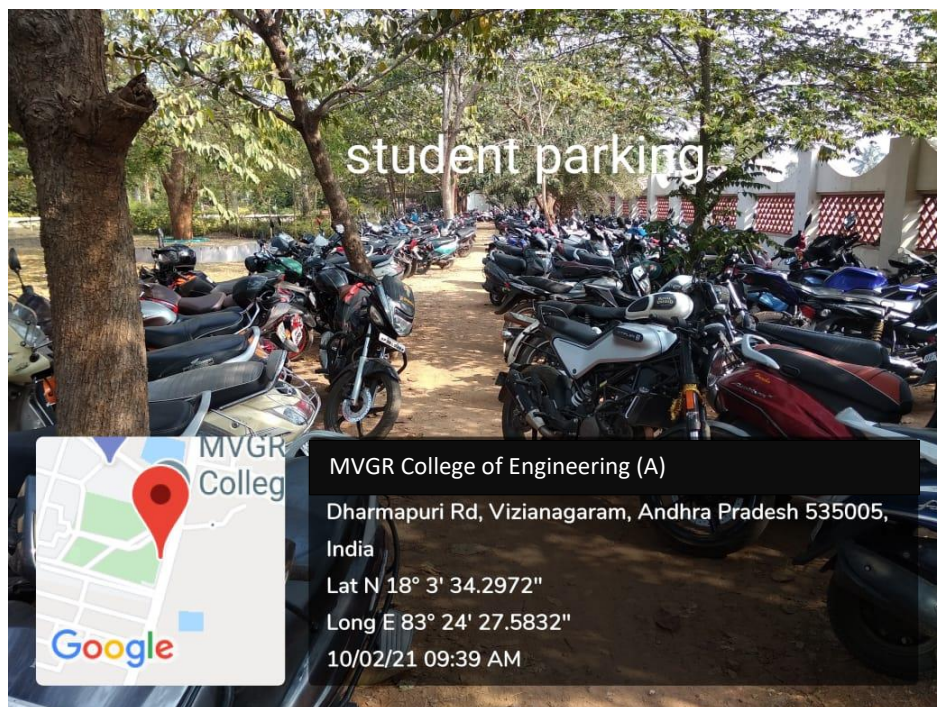


7.1.5.1 The institutional initiatives for greening the campus are as follows:

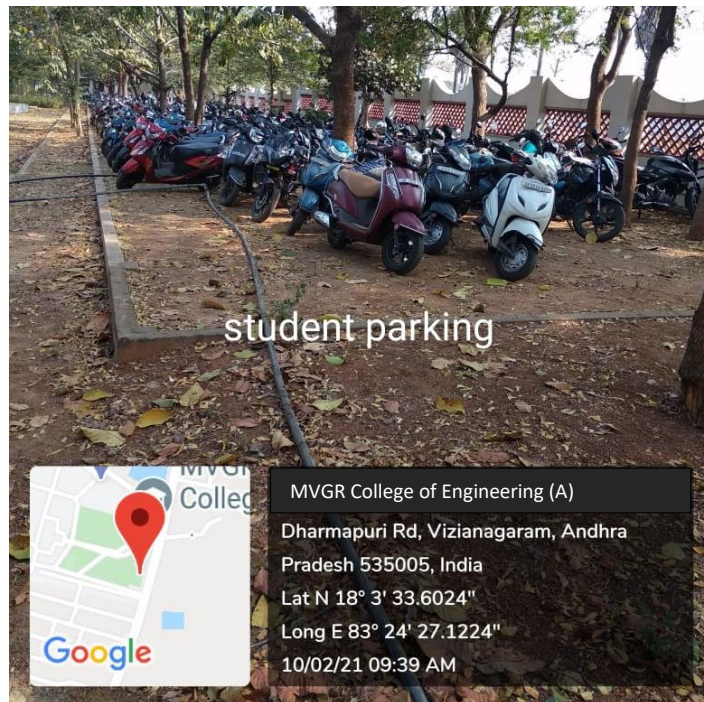
a) Restricted entry of automobiles



Students Parking facility at N-E corner of the campus near Main gate



Students Parking facility at East side of the campus near Main gate



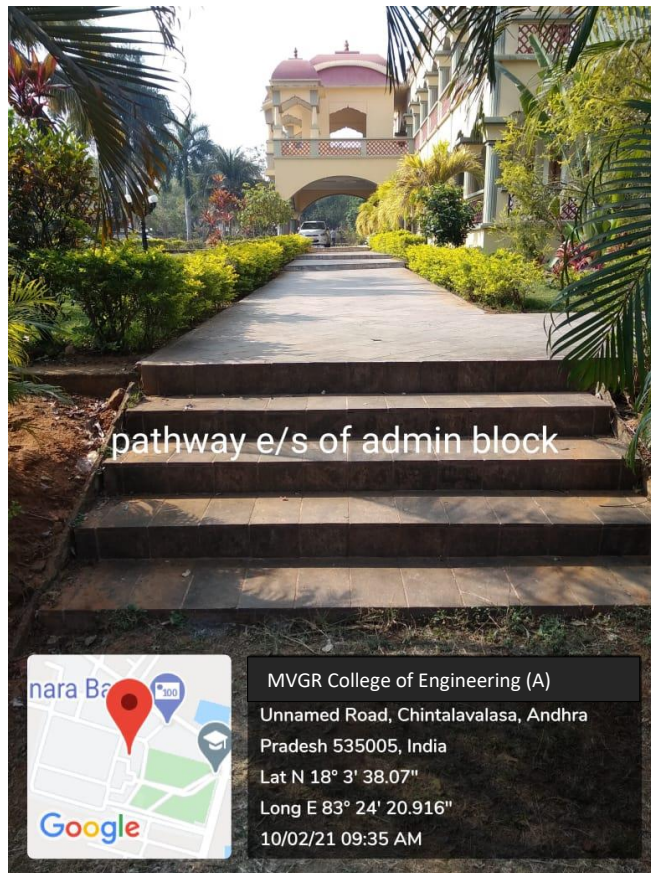
Students Parking facility at S-E corner of the campus near Main gate

b) Use of Battery powered vehicles



Battery Powered E-Vehicle for college internal Usage

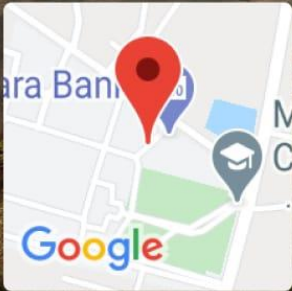
c) Pedestrians Friendly pathways







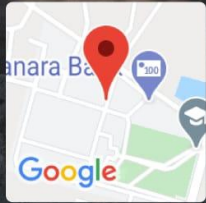
pathways central library



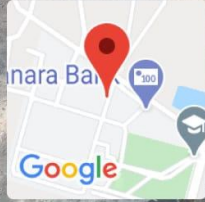
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535005, India
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Long E 83° 24' 22.8996"
10/02/21 09:30 AM



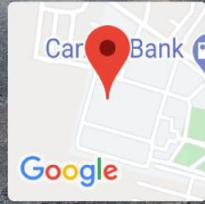
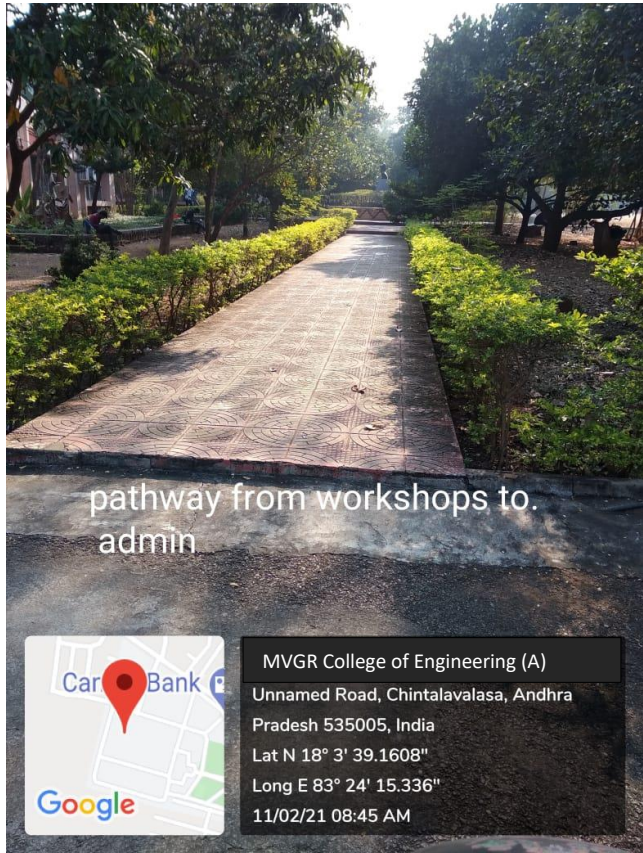
pathway Infront of civil block



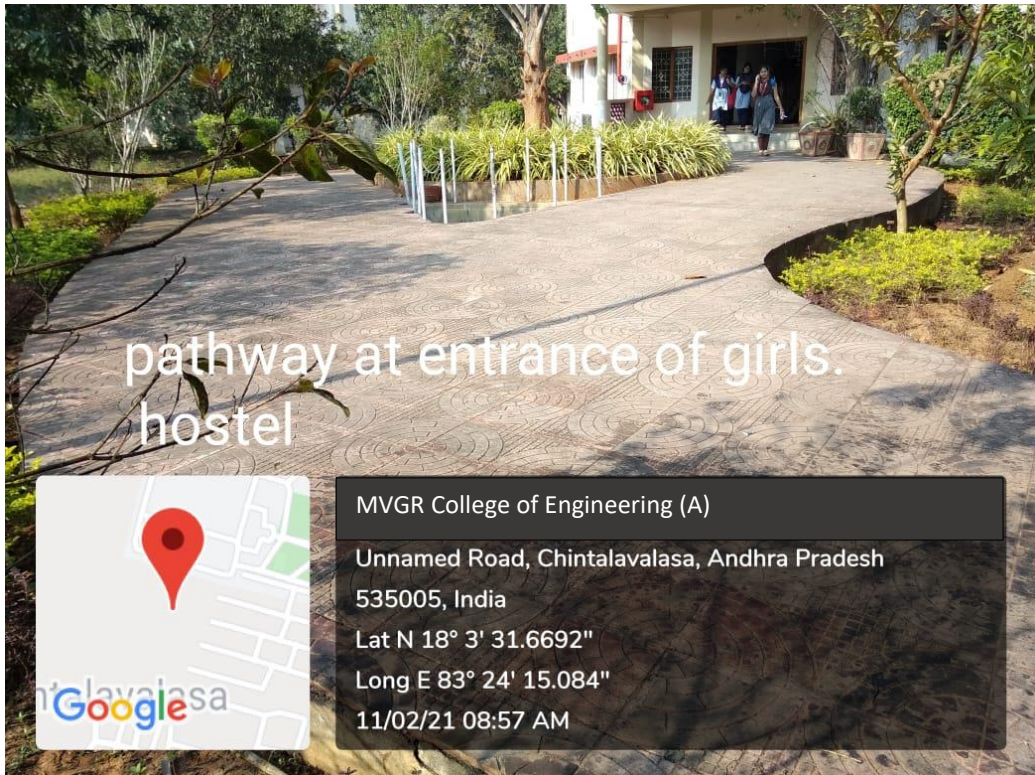
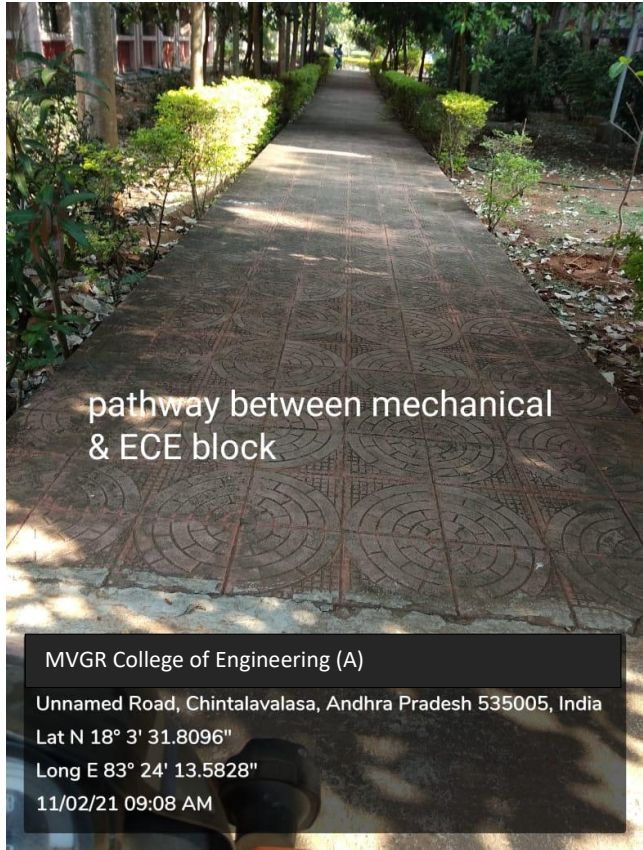
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Pradesh 535005, India
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MVGR College of Engineering (A)
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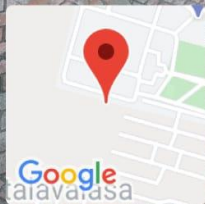
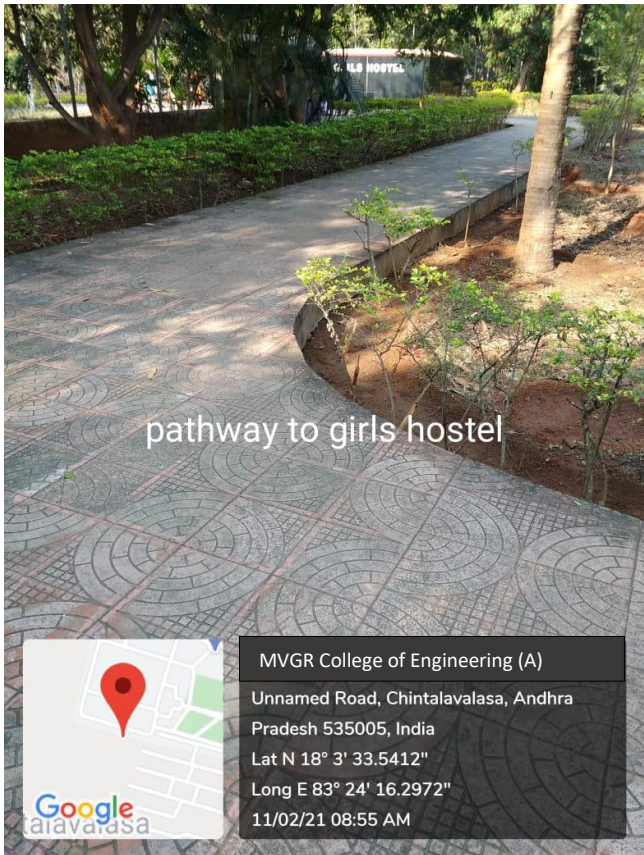


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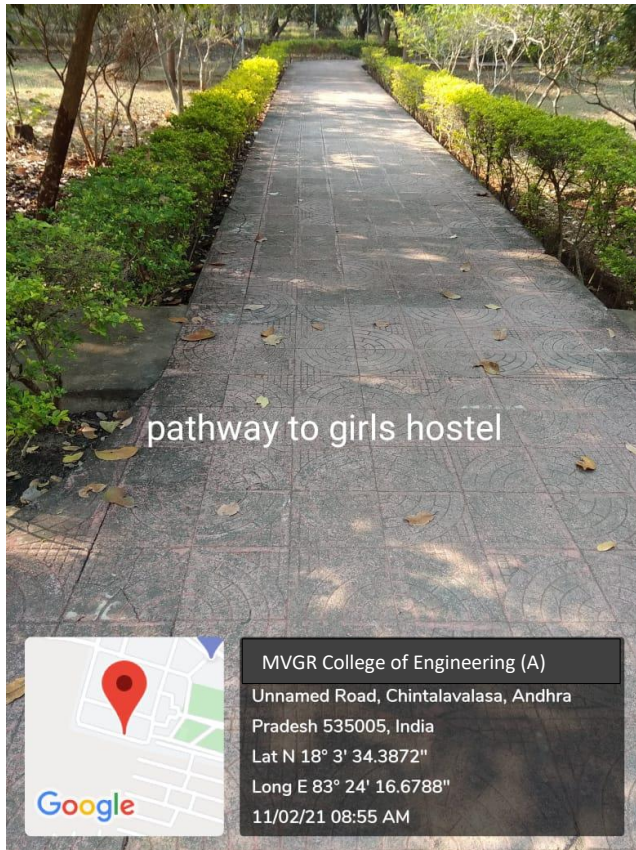
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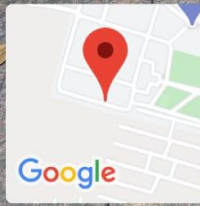
pathway at girls hostel entrance gate



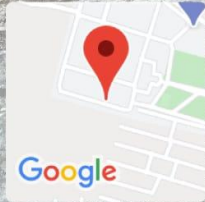
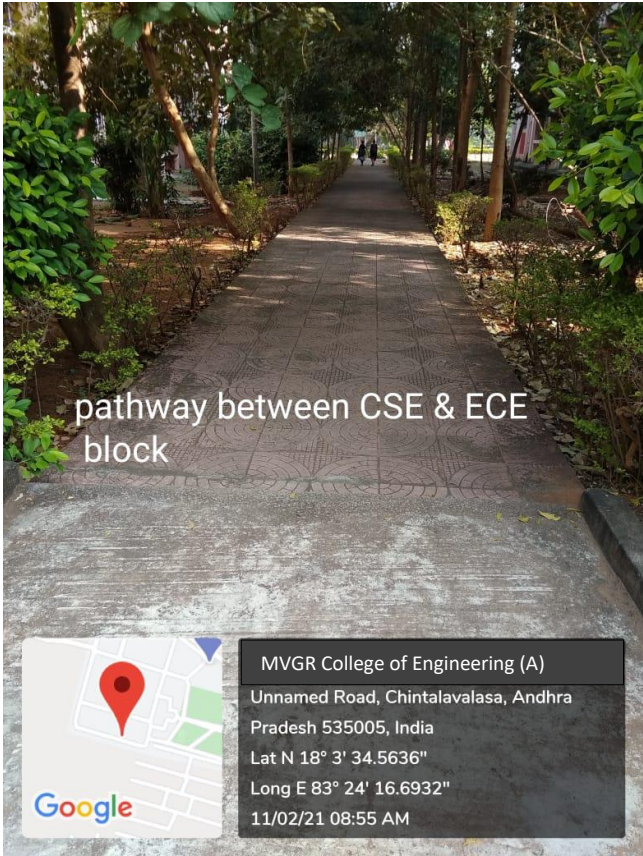
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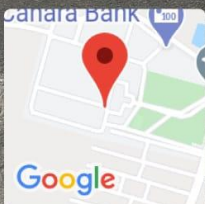
pathway to girls hostel



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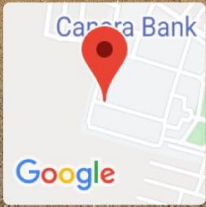
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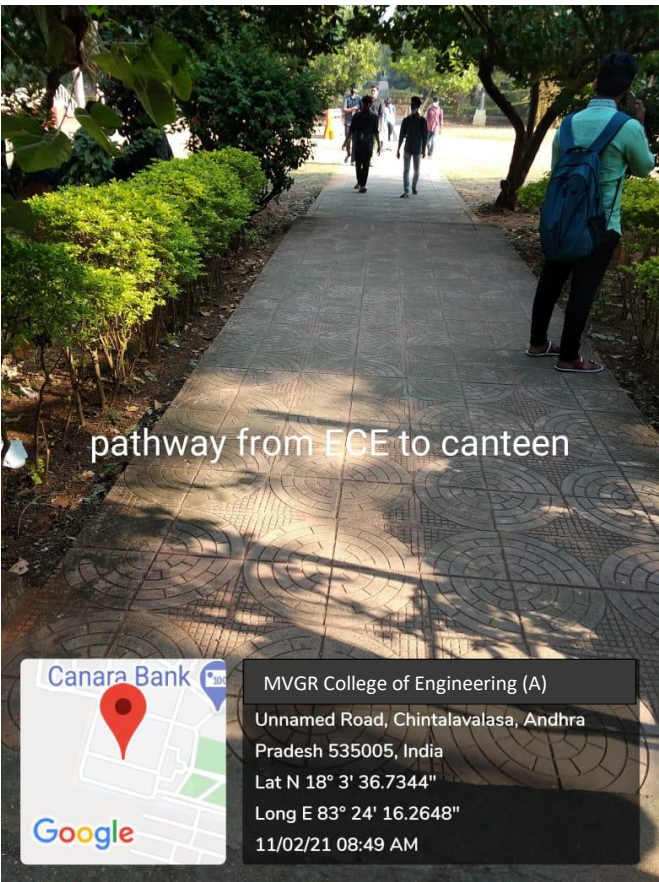


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Unnamed Road, Chintalavalasa, Andhra Pradesh 535005, India
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11/02/21 08:53 AM



pathway between mechanical workshops

	MVGR College of Engineering (A)
	Unnamed Road, Chintalavalasa, Andhra Pradesh 535005, India
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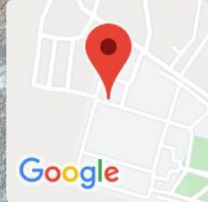


pathway from ECE to canteen

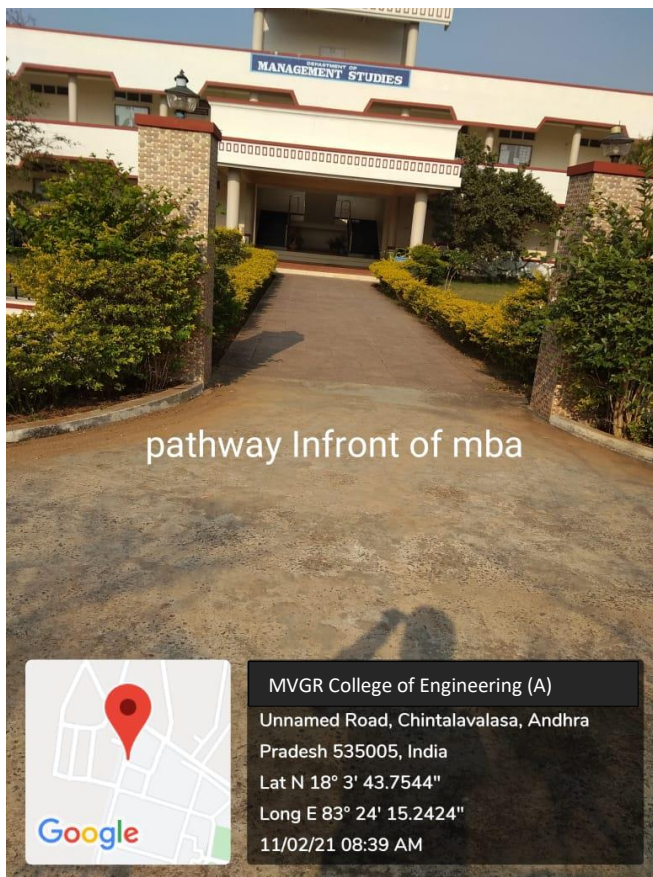
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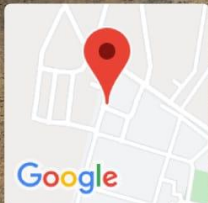
pathway between mechanical workshops



MVGR College of Engineering (A)
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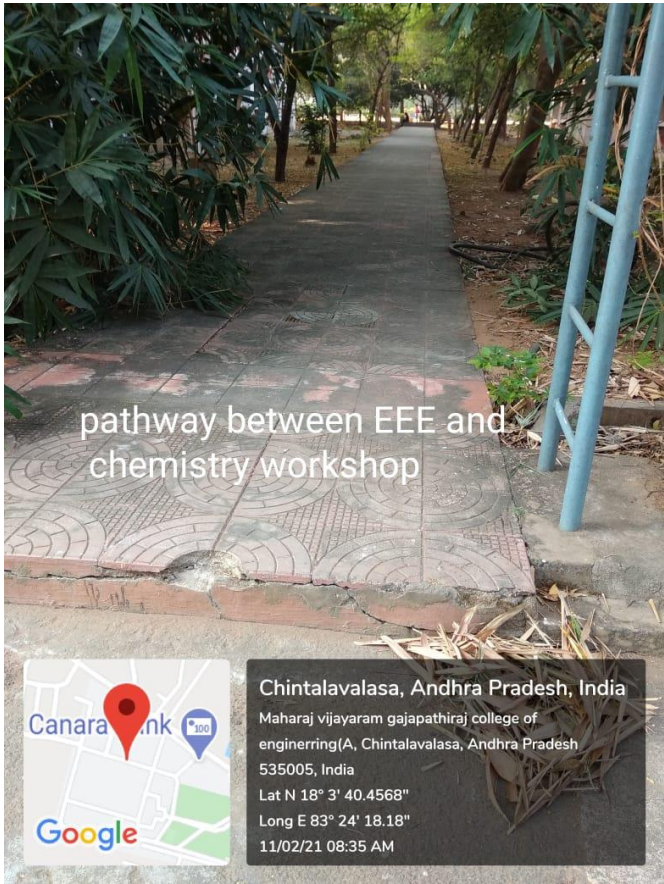


pathway Infront of mba



MVGR College of Engineering (A)
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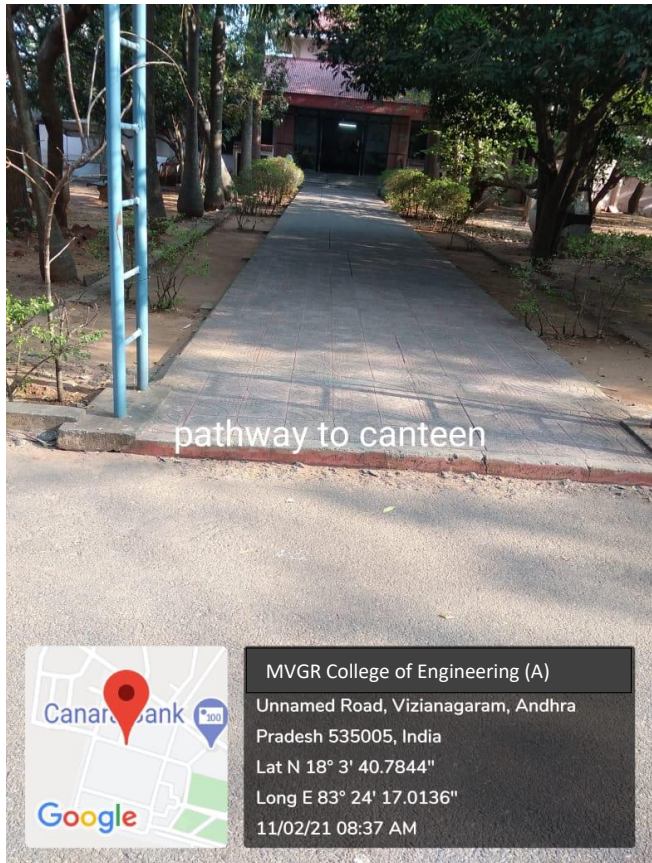




pathway between EEE and chemistry workshop



Chintalavalasa, Andhra Pradesh, India
Maharaj vijayaram gajapathiraj college of engineering(A, Chintalavalasa, Andhra Pradesh 535005, India
Lat N 18° 3' 40.4568"
Long E 83° 24' 18.18"
11/02/21 08:35 AM



pathway to canteen



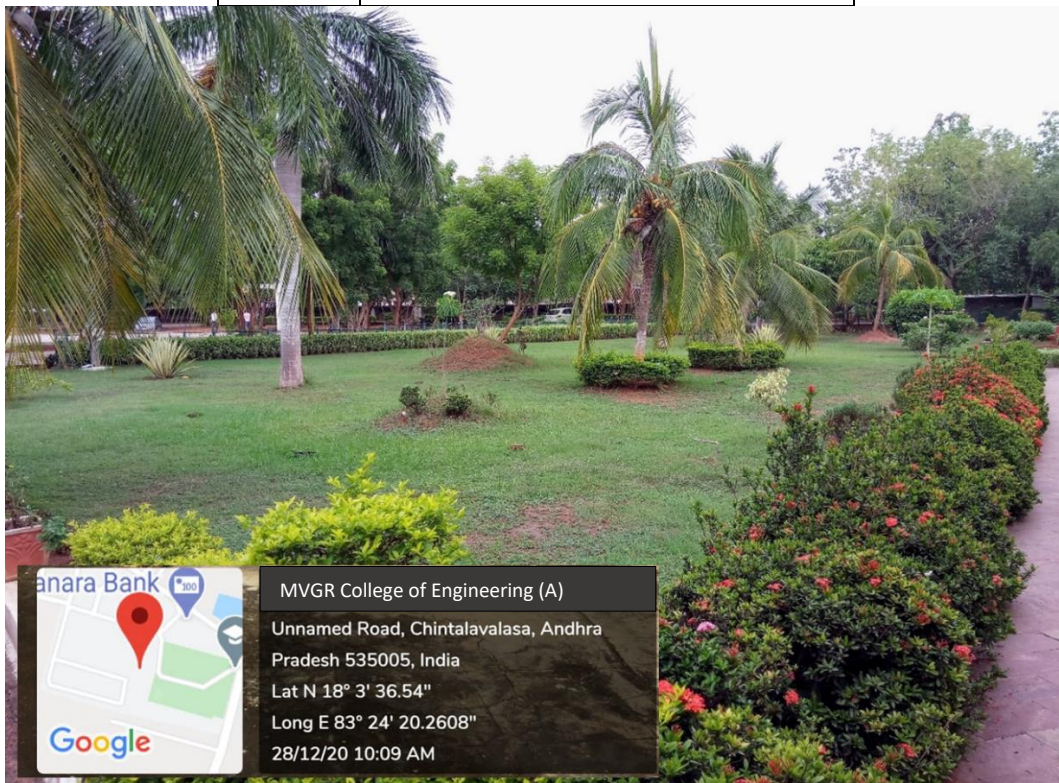
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Unnamed Road, Vizianagaram, Andhra Pradesh 535005, India
Lat N 18° 3' 40.7844"
Long E 83° 24' 17.0136"
11/02/21 08:37 AM



d) Landscaping with trees and plants

S. No	Location of the pic
1)	Admin Block
2)	Ashok chakra
3)	Buddha Statue
4)	Canteen to Civil Block
5)	Civil Block Back side
6)	Civil Block to CSE Block
7)	CSE Block to ECE Block

8)	DG shed to Canteen
9)	Harvesting Pond - 01
10)	Harvesting Pond - 02
11)	Medical Pants - 01
12)	Medical Pants - 02
13)	Medical Pants - 03
14)	PG Block - 01
15)	PG Block - 02
16)	Play Ground
17)	S&H to Canara bank
18)	S&H Block to GH

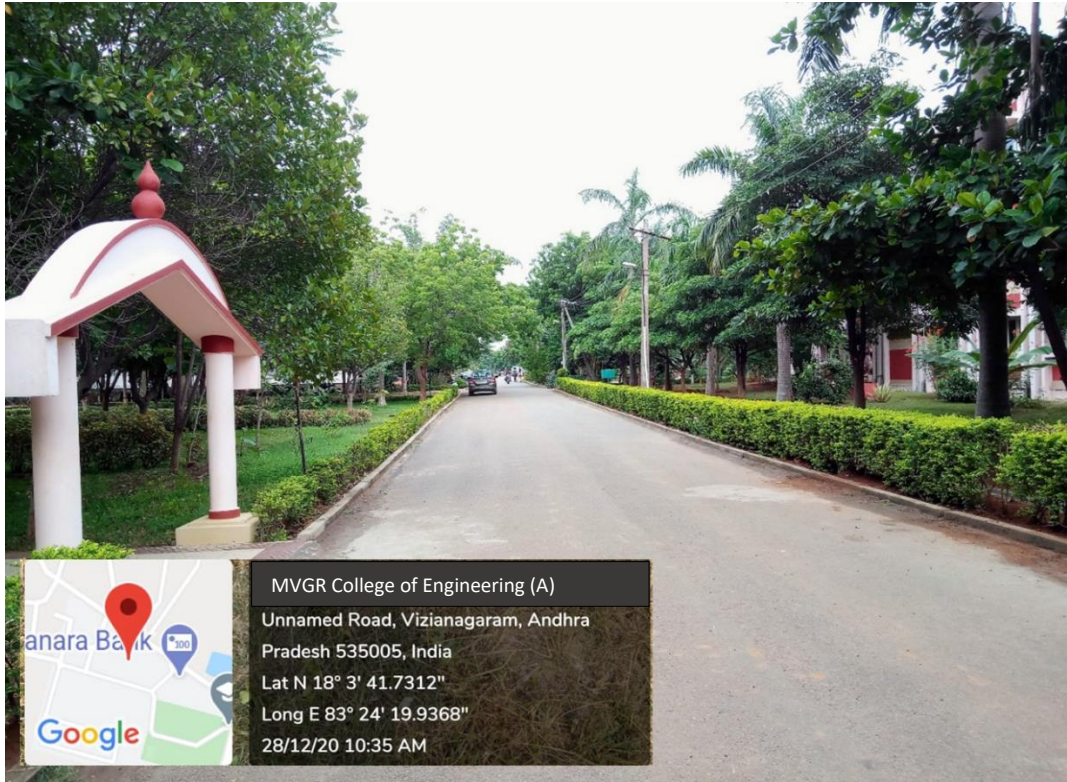




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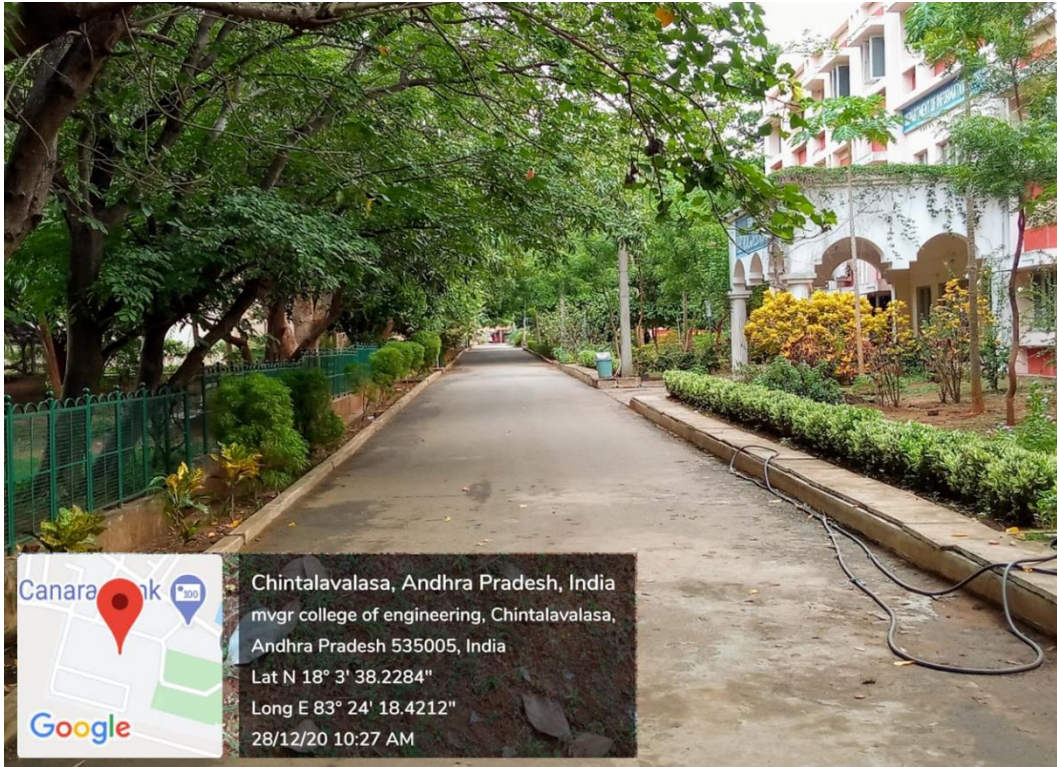
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4



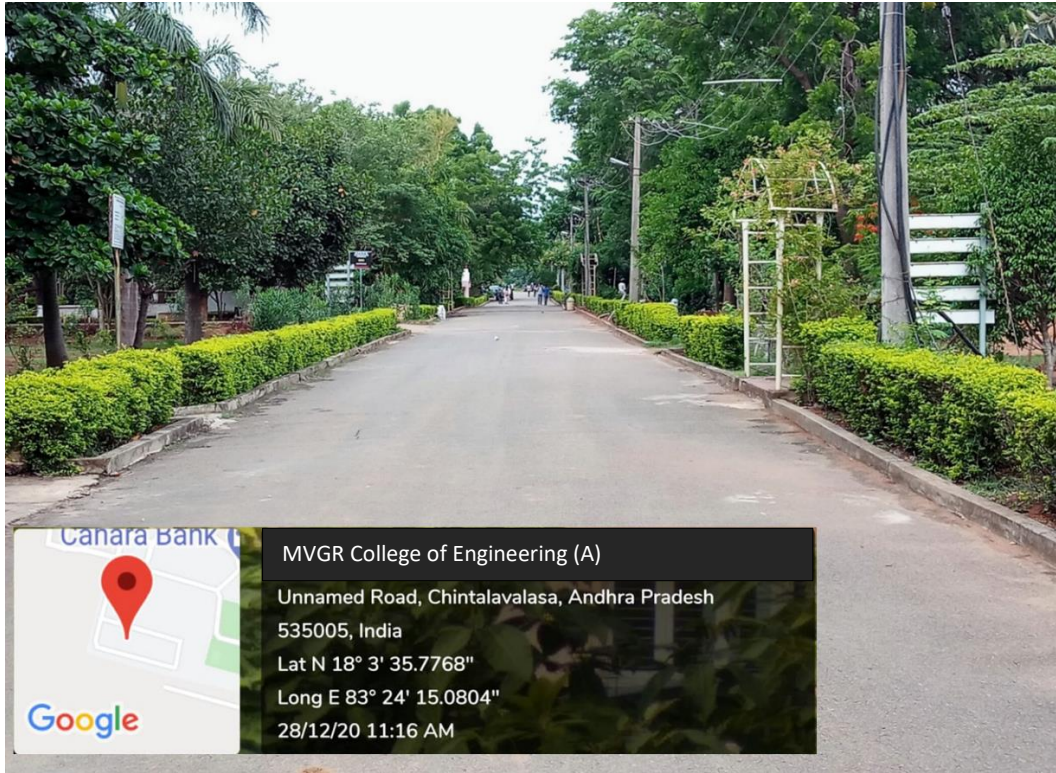
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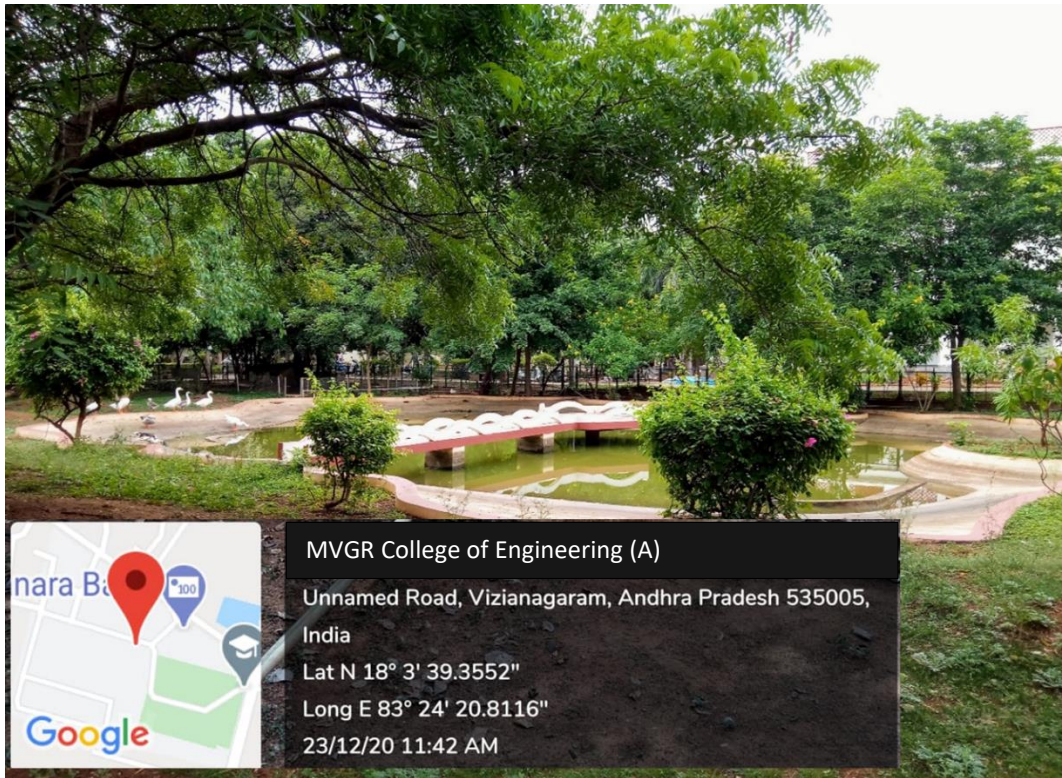
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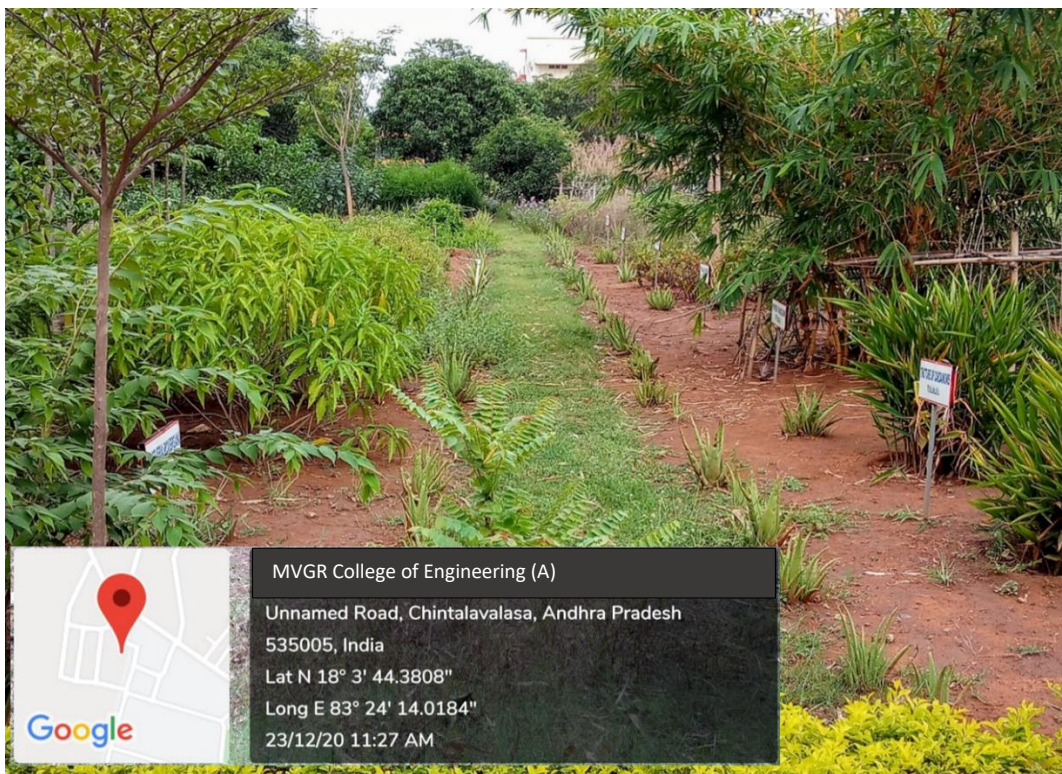
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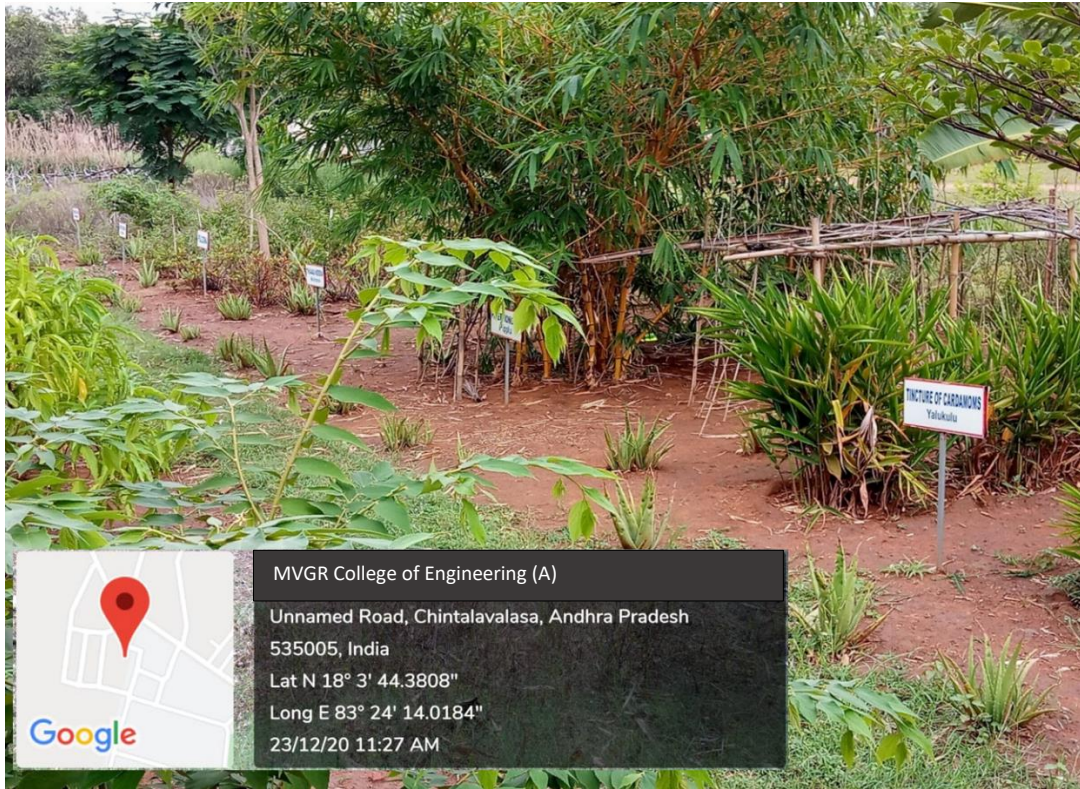
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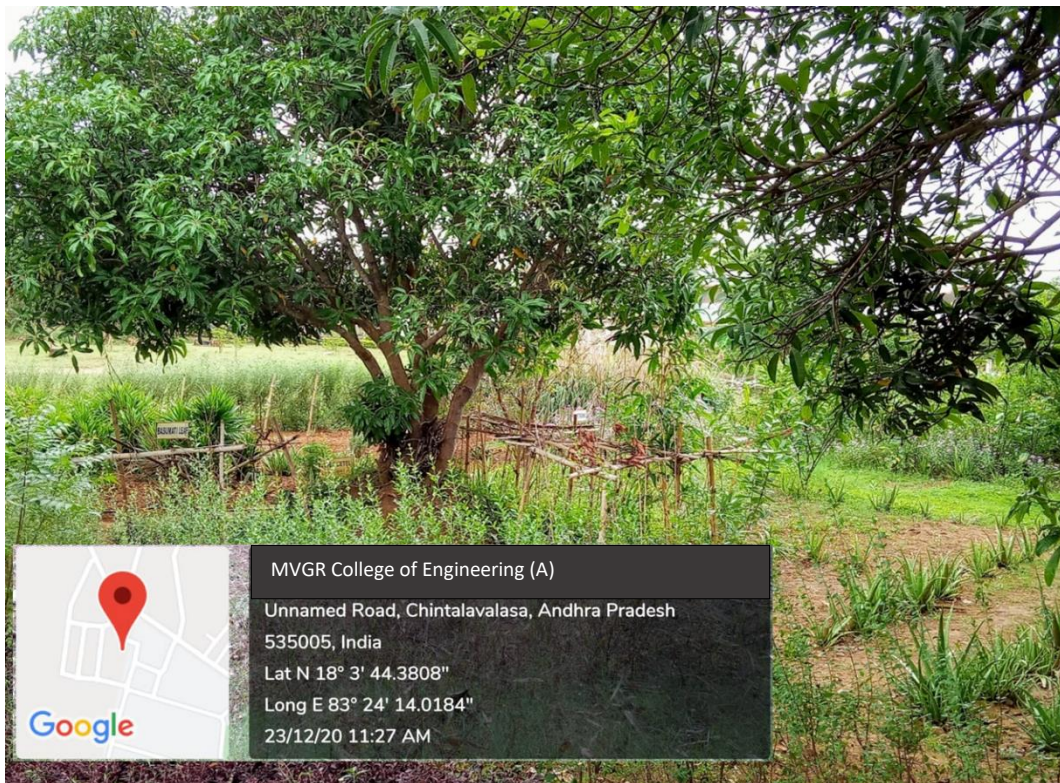
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11



12



13



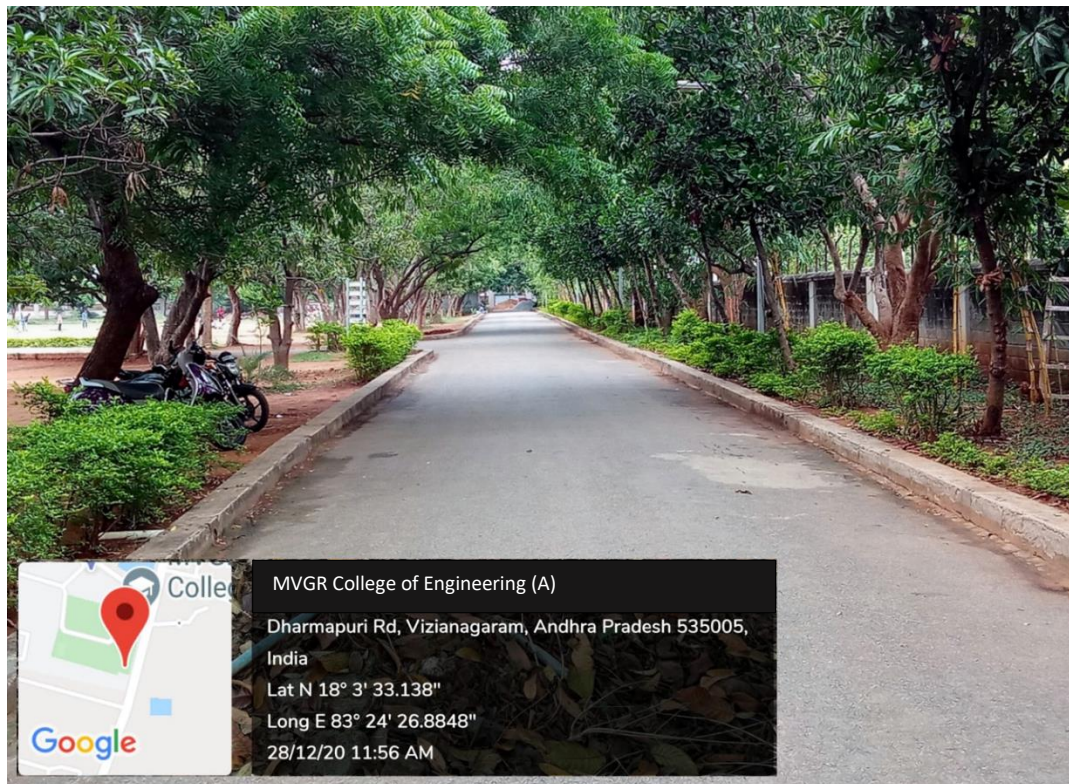
14



15



16



17



7.1.5 GREEN CAMPUS INITIATIVES INCLUDE

ADDITIONAL & OTHER RELAVANT INFORMATION



MVGR COLLEGE OF ENGINEERING (A)

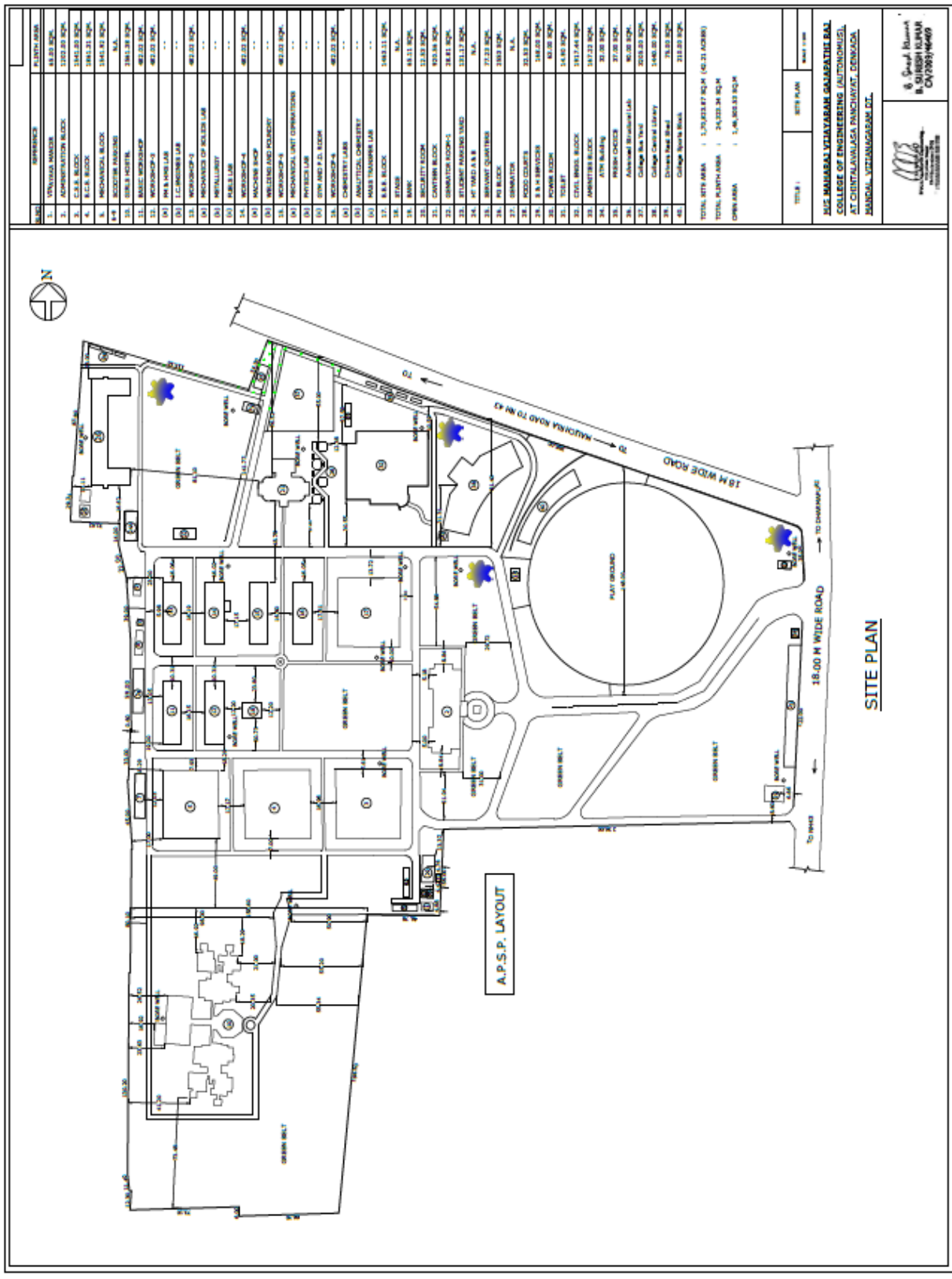
(Accredited by NBA, Graded A by NAAC of UGC Approved by AICTE, New Delhi, and permanently affiliated to JNTU, Kakinada Listed U/S 2(F) &12(B) of the UGC Act 1956.)

VIZIANAGARAM – 535 005 (A.P.)

Campus Layout



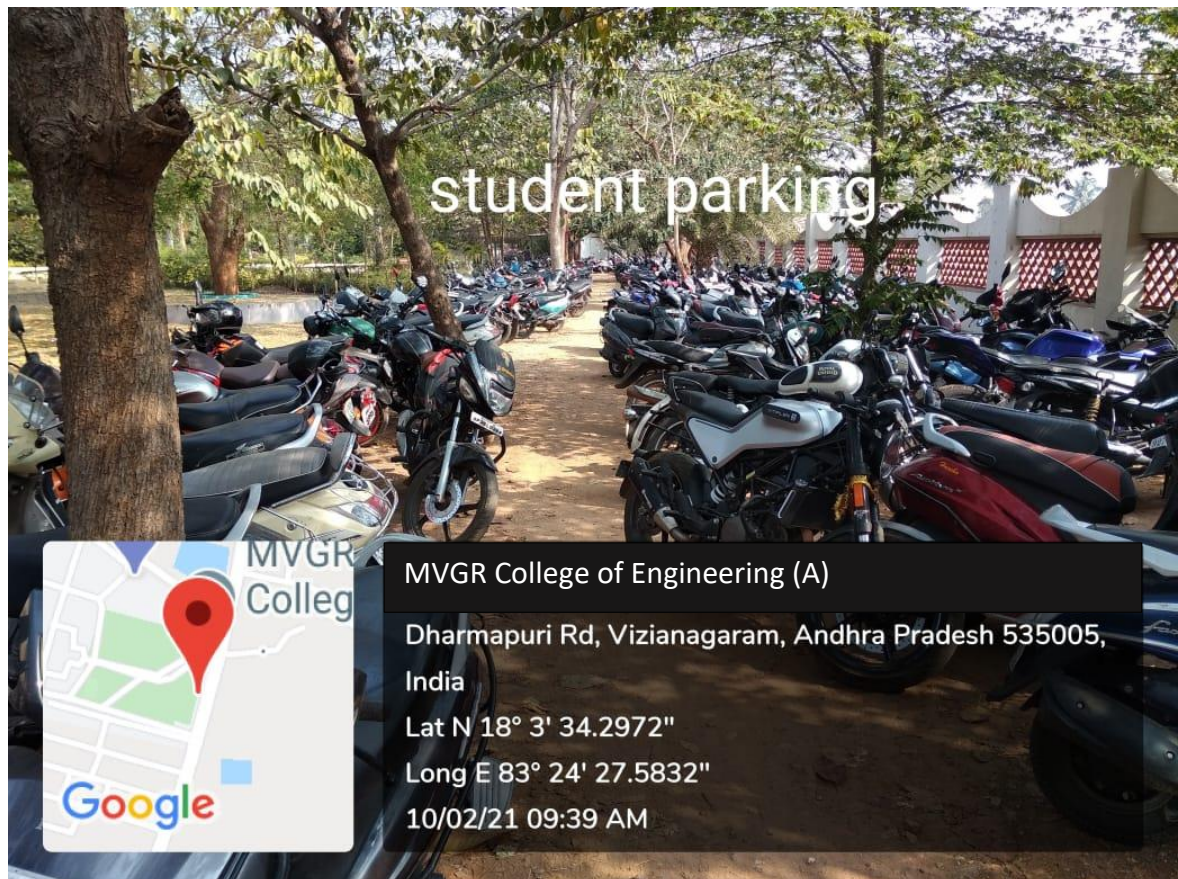
Campus Roads and Pathways Layout



7.1.5.1 The institutional initiatives for greening the campus are as follows:

a) Restricted entry of automobiles

Total area of the college campus is about nearly 1,70,824 Sq. mts., on that only area of 39,185 Sq. mts. (i.e., 33% on total area) was developed as academic zones and the balance area is about 1,31,639 Sq. mts. (i.e., 77% on total area) was earmarked for greenery. In the total academic zones covers 07 individual departments and 15 sections. Total intake of the institution is about nearly 4500 students per year. Vehicles of all four-year students are restricted at main gate to support the green campus initiatives. The same vehicles are kept at the separate parking facility provided by the college near Main gate along the campus east side compound wall of area nearly 7500 Sft.



Students Parking facility at East side of the campus near Main gate

b) Use of Battery powered vehicles

College provides Battery powered E-Vehicle to transporting the physically challenged students and senior citizens related to the students to the various departments due to restriction of the outside vehicles and cars into the campus to support the green campus initiatives.

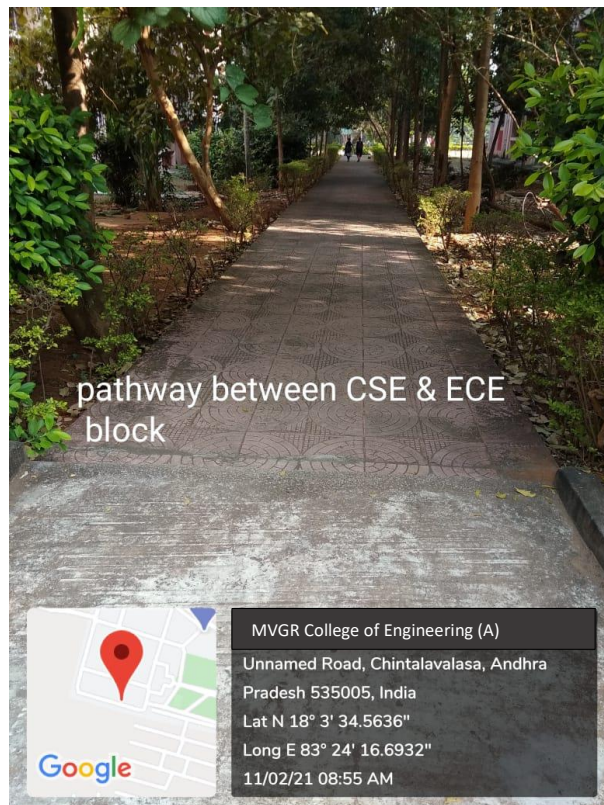
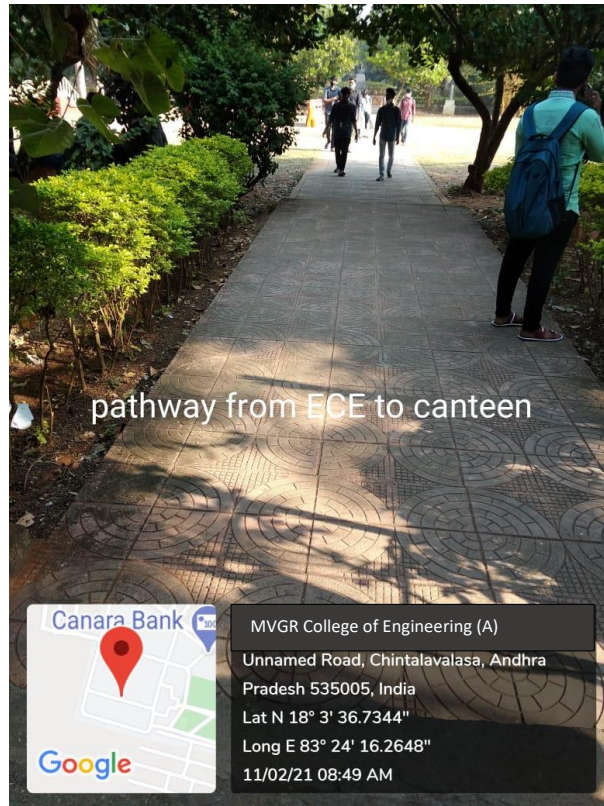


Battery Powered E-Vehicle for college internal Usage

c) Pedestrians Friendly pathways

Total area of the college campus is about nearly 1,70,824 Sq. mts., on that only area of 39,185 Sq. mts. (i.e., 33% on total area) was developed as academic zones and the balance area is about 1,31,639 Sq. mts. (i.e., 77% on total area) was earmarked for greenery. In the total academic zones covers 07 individual departments and 15 sections. All departments and

laboratories are well connected with black top roads and Pathways. In the entire campus total 2.5 to 3.0 km pathways of 8' feet wide are provided for internal connectivity.



d) Landscaping with trees and plants

MVGR College of engineering (A) campus is located near Vijayaram Nagar, Chintalavalasa, Vizianagaram. Total area of the college campus is about nearly 1,70,824 Sq. mts., on that only area of 39,185 Sq. mts. (i.e., 33% on total area) was developed as academic zones and the balance area is about 1,31,639 Sq. mts. (i.e., 77% on total area) was earmarked for greenery.

Area earmarked for greenery			
Total area of the Institution (Sq. mts.)	Area earmarked for greenery (Sq. mts.)	Percentage of area with greenery	Attachments
1,70,824	1,31,639	77%	--

Out of the total area earmarked for greenery, the area developed with greenery so far			
Total area earmarked for greenery (Sq. mts.)	Total area developed with greenery (Sq. mts.)	Percentage of area developed	Attachments
1,31,639	1,31,639	100%	--

Existing tree crown cover			
Total area of the Institute (Sq. mts.)	Total existing tree crown cover area in Sq. mts. (Tree crown area of an individual tree or a grove with a diameter of at least 5m and above shall only be considered and computed for tree crown area calculation.)	Percentage of existing tree crown cover area	Attachments
1,70,824	19,574	11.50%	--

Survival rate of plants planted during the last three years			
Year	No of plants planted	No. of plants survived	Attachments
2015	3682	3682	--
2016	6770	6770	
2017	1930 (medical plants) + 7380	9310	
Total	19762	19762	

Survival percentage	100%
---------------------	------

Percentage of native tree species planted during the last three years

Year	Number of tree species planted	Number of native tree species planted	Attachments
2015	55	21	--
2016	50	27	
2017	64	33	
Total	169	81	
Percentage of native tree species planted		48%	

Budget utilized for development/maintenance of greenery against the budget for the financial year 2016-17

Total budget sanctioned for FY 2016-17 (Rs. In lakhs)	Budget utilized for DEVELOPMENT of greenery for FY 2016-17 (Rs. in lakhs)		Budget utilized for MAINTENANCE of greenery for FY 2016-17 (Rs. in lakhs)		Attachments
	Amount spent (Rs. in lakhs)	Percentage over total allocation	Amount spent (Rs. in lakhs)	Percentage over total allocation	
17,96,700	2,67,348	14.88%	15,29,351	85.12%	--

How much area is irrigated with drip / sprinklers out of the total green area developed

Total area developed with greenery (Sq. mts.)	Area irrigated with drip / sprinklers (Sq. mts.)	Percentage of area irrigated with drip / sprinklers	Attachments
1,31,639	15,400	11.70%	--

Percentage of recycled water used with reference to total water used for irrigation to greenery

Total quantity of water used for irrigation (Kilo lts.)	Quantity of recycled water used for irrigation (Kilo lts.)	Percentage of recycled water used for irrigation	Attachments
30,638	18,155	59.25%	--

No. of Rain Water Harvesting (RWH) pits developed

Particulars	Numbers	Attachments
Rain WaterHarvesting (RWH)pits developed	17	739.30q.mts

Green Campus pics



ADMIN BLOCK



CANTEEN TO CIVIL BLOCK



CIVIL BLOCK BACK SIDE



CSE BLOCK TO ECE BLOCK



PG BLOCK - 01



PLAY GROUND

7.1.5 GREEN CAMPUS INITIATIVES INCLUDE

POLICY DOCUMENT & GREEN CAMPUS AWARD



MVGR COLLEGE OF ENGINEERING (A)

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VIZIANAGARAM – 535 005 (A.P.)

7.1.5 Green Campus Initiatives Include

a) Campus Layout



b) Green campus Policy Document

GREEN CAMPUS INITIATIVES

POLICY



MAHARAJ VIJAYARAM GAJAPATHI RAJ

COLLEGE OF ENGINEERING (A)

VIJAYARAM NAGAR CAMPUS, CHINTALAVALLASA
VIZIANAGARAM - 535005

The institution in its practices has always been environment friendly and during the last five years, the campus has been highly sensitive to issues like Green Campus, climate change and environmental degeneration. It mainly concentrates on 'Clean Campus- Green Campus'.

I. Environment Consciousness

MVGR College of Engineering (Autonomous) is located in lush green, serene and pollution free environment spread over 43.2 acres of land in Chintalavalasa village situated in the outskirts of Vizianagaram, a fort city in the north coastal region of Andhra Pradesh. Strategic plans of the college for development have always been driven by sustainability of important resources like energy, water, green cover etc.

II. Conduct of Green Audit of its campus and facilities

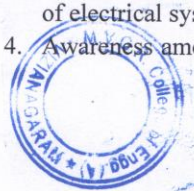
The institution is conscious of its responsibilities to the environment and conducts Green Audit of its campus and facilities. The institution maintains a check list of the following in connection with Green Audit:

1. Consumption of electricity in the campus; optimum utilization.
2. Collection service record for waste materials/condemned equipment.
3. Facility information such as number of users and functions.
4. Feedback mechanism from facility users.
5. Sustainability principles, practices and Environmental Studies are part of Curriculum.
6. The administration and management constantly striving to build and develop a natural backdrop that fosters an enabling environment. The NSS unit of the institution suitably complementing the above effort and today MVGR is a campus dotted with more than 2000 trees and innumerable saplings
7. As a policy, the institution prohibits the use of the plastics in the campus

III. Initiatives to make the campus eco- friendly?

a) Energy Conservation

1. Institution meters energy segment wise and constantly reviews the same for initiatives for minimizing the consumption.
2. Periodic energy audit is being conducted at regular intervals by EEE department and recommendation made for savings
3. Periodic inspection and maintenance is carried out for improved performance of electrical systems and reduced loss
4. Awareness among the students and staff on energy conservation is created by



displays at appropriate places.

5. The buildings are fitted with glass windows for maximum utilization of natural light.

b) Use of Renewable Energy

Steps are being taken for the utilization of solar power in the college campus.

c) Water Harvesting

To minimize the wastage of water resources and to improve the ground water level, the rain water is led into the pond located in the campus.

d) Efforts for Carbon neutrality

1. Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students.
2. The institute restricted the usage of plastic bags in the campus.


e) Plantation

1. Plantation program has been taken up by the NSS unit for increasing the Green Cover in the campus and surrounding villages.
2. The NSS unit regularly conducts awareness programs on plastic free environment in and around the village.

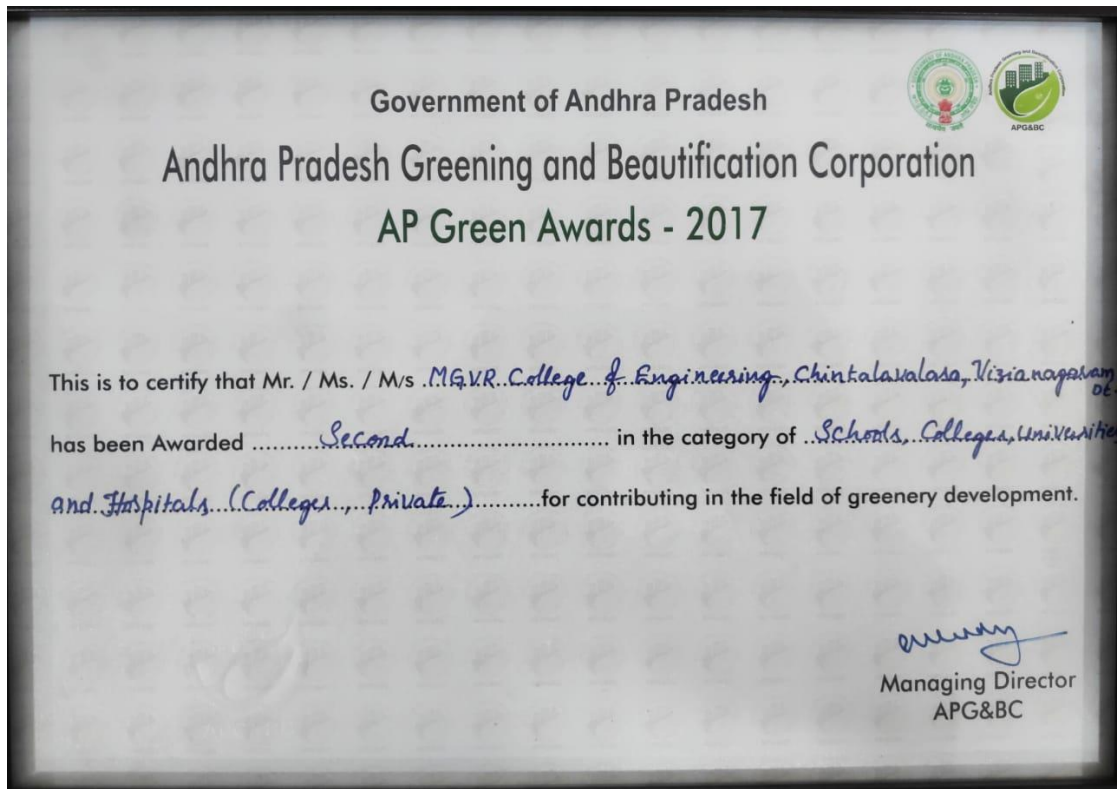
f) Hazardous Waste Management and e-Waste Management

1. The condemned batteries are disposed through outside agencies.
2. Awareness programs are initiated on waste management




PRINCIPAL
MVGR College of Engineering (A)
VIZIANAGARAM-535005

c) Green campus Award Details



**Award and Trophy received our respected Principal from Honorable
Chiefe Minister of Andhra Pradesh**