



# **KALASALINGAM** **ACADEMY OF RESEARCH AND EDUCATION** **(DEEMED TO BE UNIVERSITY)**

Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade



## **`GREEN ARMY** **SUSTAINABILITY REPORT** **GREEN ARMY** **SUSTAINABILITY REPORT** **2022-23**

**KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION**  
**(DEEMED TO BE UNIVERSITY)**  
Anand Nagar, Krishnankoil - 626126, Tamil Nadu.

## **Vision:**

*To bring zero pollution level in the university by means of adopting new technologies and continuous monitoring.*

## **Mission:**

*To inspect, survey and analyze energy usage and emission of greenhouse gases in the area in order to reduce the amount of carbon foot print without affecting the output(s).*

## **Objectives:**

- ✓ *Ensure judicious usage of fans and lights inside and outside the class rooms to minimize electricity consumption.*
- ✓ *Ensure litter-free environment inside the class room and corridor of the respective classroom*
- ✓ *Organize minimum two events in line with “Swachh Bharath” campaign within the campus and outside the campus under the leadership of Green Team (Faculty) members in a semester.*
- ✓ *Educate and advice co-students to follow environment friendly practices inside and outside the class room and in the campus as well.*
- ✓ *Report to the Green Team if any abuse of environment by any stack holders observed within the campus.*

# SUSTAINABLE POLICY



**KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION**

**Anand Nagar, Krishnanakoil**

## **Sustainable Policy of KARE**

**We at Kalasalingam Academy of Research and Education are committed in achieving carbon neutrality and to reduce the environment impacts.**

**We shall achieve this by:**

- **Reducing the carbon foot prints of our Direct and Indirect Energy usage**
- **Implementing Reduce, Reuse, and Recycle (RRR) principle wherever possible**
- **Reduction in Energy and Water Consumption**
- **Usage of renewable resources**
- **Purchase of Energy Efficient products**
- **Conform to applicable legal and other requirements**
- **Adopting Waste segregation and proper disposal**
- **Increasing green cover**
- **Creating awareness, Trainings all concerned stakeholders**
- **Setting and reviewing the sustainable objectives and targets**

**We will ensure the availability of information and required resources to achieve the above objectives**

**The policy will be communicated to all the concerned within the campus and reviewed periodically for its effectiveness with continual improvement**

**Shri. K. SRIDHARAN**

**Chancellor**

**Dr. V. VASUDEVAN**

**Registrar**

**Dr. S. SARAVANASANKAR**

**Vice Chancellor**




Ref: KARE/Green Army/2022-23/1

29-07-2022

**Circular**

Green Army Club observes "Vehicle Free Day and Green Day" inside the campus on 30.07.2022, Saturday from 11 am to 3 pm. In connection with celebrations, Smoke generating vehicles shall be avoided inside the campus (Except essential service Vehicles). All are also requested to use the natural ventilation and lightings to the maximum extent and save the Electricity.

*\*Rock your world by saving energy\**

  
REGISTRAR  
8/1

Copy submitted to Chancellor and Vice President – for kind information

CC: To Registrar and Controller of Examination

CC: Directors, Deans, and Heads of Departments - for circulation among students



## Event Report

DATE: 29.07.2022

Make awareness on the need of Green Environment, Green Army-KARE observed Vehicle Free Day in KARE campus on 29.07.2022-Saturday. During the Vehicle Free Day exercise the volunteers of Green Army monitored the movement of all kinds of vehicles with the Awareness Placards except Emergency and Official vehicles. It made the awareness among the people of KARE.

NO. OF STUDENTS PARTICIPATED: 35



Energy Consumption calculation in 8<sup>th</sup> Block



Explaining Solar Dryer working in 5<sup>th</sup> Block



Explaining Solar PV Panel  
working

## **Event Report**

Date: 29.07.2022

To sensitize the need of Green Environment, Green Army-KARE observed Vehicle Free Day in KARE campus on 01.02.2020-Saturday. During the Vehicle Free Day exercise the volunteers of Green Army monitored the movement of all kinds of vehicles with the Awareness Placards except Emergency and Official vehicles. It made the awareness among the people of KARE.

**No. of students participated: 35**

### **Event Coordinators**

Vehicle Free day was organized on 29.7.2022. The Coordinators of the event are Mr.Jenyfal sir of ECE and Manoranjitham of CS&IT. Mrs.Priya of EEE and Selvakumar of E&I was the coordinators of Energy audit. Around 35 students participated the event.

Everyone can take steps to reduce vehicle pollution

1. Ride a bike or walk. If you are only going a short distance, consider riding a bike or walking instead of driving.
2. Take public transit.
3. Avoid idling.
4. Use alternative fuels.

**Name of the Event:** “Vehicle Free Day and Green Day”

**Year of the activity:** 2022-23

**Number of students participated in such activities:** 35

<b>Sl. No.</b>	<b>Participants</b>
1.	R. S. Balaji
2.	Riyas khan . P
3.	Dhetchana moorthy.A
4.	Harish . M
5.	N. Harish vasanth
6.	siva. S
7.	karthickpandi. P
8.	K. Akash kumar
9.	Imam hussain. S
10.	Manikandaguru. P
11.	Muthukrishnan. E
12.	Bala aravinth. S
13.	Sriram. M
14.	Yogesh thirumalaikumar. K. S.
15.	Sri Saravanan
16.	M. Roja
17.	C. Deepika
18.	R. Deepika
19.	M. Muneeswari
20.	Pavithra. K
21.	Salomi Shilpa. A
22.	Muthuselvi. P
23.	Elbin
24.	Gobinath. S
25.	Kamalakumar. S
26.	Arun Kumar. M
27.	Dhanapal. G
28.	Mahapriya. S
29.	Lishatha. S
30.	Naveena. L
31.	Muthupackiyam. M
32.	Isurya. M
33.	Arun Kumar. A
34.	Muthumani. M
35.	J. Rajasekar



COORDINATOR SIGNATURE

# Energy Conservation Day



Ref: KARE/Green Army/2022-23/5

02-03-2023

## Circular

Green Army Club is going to conduct an online guest lecture on the topic of "Renewable Energy Sources and Emerging Technologies" on 04.03.2023, Saturday from 10 am to 1 pm. It will be delivered by Dr. Syed Shuibul Qarnain, Building Services Engineer, Doha, Qatar. All the Green Army volunteers are requested to Participate in this guest lecture to enrich the importance of the green energy.

To join the lecture, please use

<https://meet.google.com/uqx-xtex-sga>

\* Energy is essential for development, and sustainable energy is essential for sustainable development \*

*Sey*  
2/3/23  
Coordinator

*S. Shuibul*  
2/3/23  
Director (Student Affairs)

Registrar

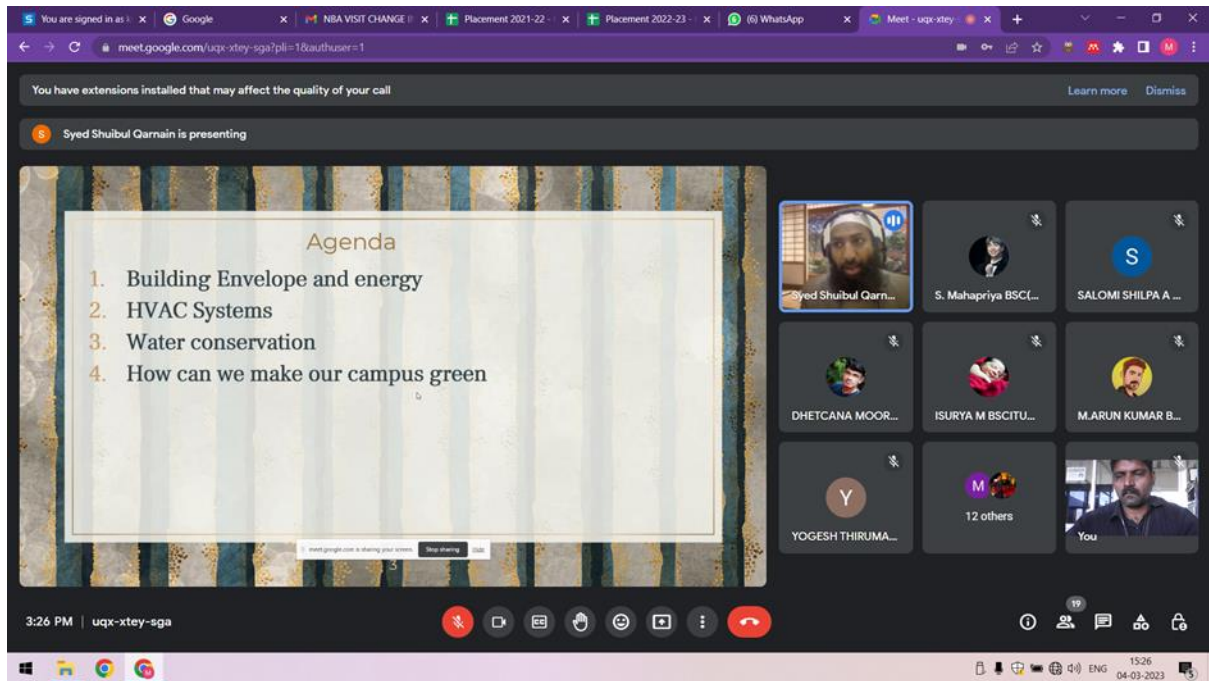
Copy submitted to Chancellor and Vice President – for kind information  
CC: to Vice Chancellor and Controller of Examination  
CC: to all Deans and Directors  
CC: Heads of Departments – with a request for circulation among Green Army Volunteers




# Event Report

DATE: 02.03.2023

Make awareness on the need of Green Environment, Green Army-KARE observed Energy Conservation Day in KARE campus on 02.03.2023-Saturday. In the practice of Energy Conservation Day, enrolled Green Army volunteers monitored and analysed the Usage of Electricity in KARE Campus. They summed up the process with the comparative result of Electricity Usages. It made the awareness among the people of KARE.



20_riyas Khan	4:11 PM	00:01:48
	23- sri saravanan s	4:11 PM 00:01:46



ELBIN BSCITUG-2020 BATCH

4:11 PM 00:01:45



HARISH M BSCCSUG-2020 BATCH

4:11 PM 00:01:47



ISURYA M BSCITUG-2020 BATCH

4:11 PM 00:01:46



M.ARUN KUMAR BSC(CS)-2020 BATCH

4:11 PM 00:02:17



MANIKANDAGURU P BSCCSUG-2020 BATCH 4:11 PM 00:02:17



Muthukrishnan E

4:11 PM 00:02:17






NAVEENA L BSCITUG-2020 BATCH

4:11 PM 00:01:46



S. Mahapriya BSC(CS)-2020 BATCH

4:11 PM 00:01:48

	S.Muthuvel	4:11 PM	00:02:17
	SALOMI SHILPA A BSCCSUG-2020 BATCH	4:11 PM	00:01:45
	YOGESH THIRUMALAI KUMAR		

**NO. OF STUDENTS PARTICIPATED: 35**

**Name of the Event:** Guest Lecture

**Year of the activity:** 2022-23

**Number of students participated in such activities:** 35

Sl. No.	Participants
1.	R. S. Balaji
2.	Riyas khan . P
3.	Dhetchana moorthy.A
4.	Harish . M
5.	N. Harish vasanth
6.	siva. S
7.	karthickpandi. P
8.	K. Akash kumar
9.	Imam hussain. S
10.	Manikandaguru. p
11.	Muthukrishnan. E
12.	Bala aravinth. S
13.	Sriram. M
14.	Yogesh thirumalaikumar. K. S.
15.	Sri Saravanan
16.	M. Roja
17.	C. Deepika
18.	R. Deepika
19.	M. Muneeswari
20.	Pavithra. K
21.	Salomi Shilpa. A
22.	Muthuselvi. P
23.	Elbin
24.	Gobinath. S
25.	Kamalakumar. S
26.	Arun Kumar. M
27.	Dhanapal. G
28.	Mahapriya. S
29.	Lishatha. S
30.	Naveena. L
31.	Muthupackiyam. M
32.	Isurya. M
33.	Arun Kumar. A
34.	Muthumani. M
35.	J. Rajasekar



COORDINATOR SIGNATURE





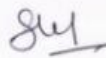
Ref: KARE/Green Army/2022-23/4

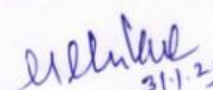
30-01-2023

**Circular**

Green Army Club is going to observe "Vehicle free day and Energy Conservation Day" at our campus on 04.02.2023, Saturday from 10 am to 1 pm. In connection with celebrations, Smoke generating vehicles shall be avoided inside the campus (Except essential service Vehicles). All are also requested to use the natural ventilation and lightings to the maximum extent and save the Electricity.

\* The sun is the only safe nuclear reactor, situated as it is some ninety-three million miles away\*

  
Coordinator

  
Director (Student Affairs)

  
Registrar

Copy submitted to Chancellor and Vice President – for kind information  
CC: to Vice Chancellor and Controller of Examination  
CC: to all Deans and Directors  
CC: Heads of Departments – with a request for circulation among students

Go without your car and celebrate "Vehicle free Day"!!!

Today is World Car free Day. Car Free Day aims to remove the heat off the planet for just one day by encouraging people to be less reliant on their cars and try alternatives. Informal car free days took place throughout the 1990s and the first official, global Car Free Day was launched in 2000.

Here, I wrote some advantages of Car Free Day:

#### 1. Stop Pollution:

Use of Public transport and stop the use of private vehicle cause less pollution and make earth clean. It's better to use public vehicle rather than use personal car to make earth a better place to live. Most of heat generated on earth is due to vehicle so put your own car at home and celebrate car free day!!

#### 2. Reduce Traffic Jam:

If every person travel with their own vehicle, it will create traffic jam and road pack. It is good to use public transport so that everyone can not face the problem road blocked by traffic.

#### 3. Shorten Your Journey:

Some of the transportation shortens your journey time by avoiding congested roads and taking more direct routes offered by infrastructure such as railway lines

#### 4. Enjoy the Nature:

No use of Car and personal vehicle means less pollution of noise and sound which can be save earth from noise pollution and you can hear voice of birds and various animals and can feel the nature!!

#### 5. Save your Money:

Using Car means lots of spends like fuels, repairing and maintenance cost etc. so save your money by using public transport and also live tension and stress free life.

We are Briquetting Machine exporter and seller and we manufacture it to save our earth from pollution and today we suggest you all to put your own vehicle at home and travel through public transport to save our environment and mother earth.



**Name of the Event:** Vehicle Free Day and Energy Conservation day

**Year of the activity:** 2022-23

**Number of students participated in such activities:** 35

<b>Sl. No.</b>	<b>Participants</b>
1.	R. S. Balaji
2.	Riyas khan . P
3.	Dhetchana moorthy.A
4.	Harish . M
5.	N. Harish vasanth
6.	siva. S
7.	karthickpandi. P
8.	K. Akash kumar
9.	Imam hussain. S
10.	Manikandaguru. p
11.	Muthukrishnan. E
12.	Bala aravinth. S
13.	Sriram. M
14.	Yogesh thirumalaikumar. K. S.
15.	Sri Saravanan
16.	M. Roja
17.	C. Deepika
18.	R. Deepika
19.	M. Muneeswari
20.	Pavithra. K
21.	Salomi Shilpa. A
22.	Muthuselvi. P
23.	Elbin
24.	Gobinath. S
25.	Kamalakumar. S
26.	Arun Kumar. M
27.	Dhanapal. G
28.	Mahapriya. S
29.	Lishatha. S
30.	Naveena. L
31.	Muthupackiyam. M
32.	Isurya. M
33.	Arun Kumar. A

34.	Muthumani. M
35.	J. Rajasekar



COORDINATOR SIGNATURE





Ref: KARE/Green Army/2022-23/3

28-10-2022

**Circular**

Green Army Club is going to observe "Palm tree plantation" at Ayan karisalkulam Village Lake near Azhagapuri on 29.10.2022, Saturday from 10 am to 1 pm. It is conducted in collaboration with Heartfulness Institute, Madurai. Interested Green Army volunteers are asked to participate in the event.

*\*Trees are poems that the earth writes upon the sky\**

*Handwritten signature and date: 28/10/22*

REGISTRAR

Copy submitted to Chancellor and Vice President – for kind information  
CC: to Vice Chancellor and Controller of Examination  
CC: to all Deans, Directors and Heads of Departments - for circulation among students

# Event Report

DATE: 03.11.2022

An Event was conducted on the topic "Palm Tree Plantation" at Ayan karisal kulamvillage near Azhagapuri on 30th of October 2022 from 10:00 am to 1:00 pm.

## Topic Discussed:

*Tree plantation is the process of transferring of seedlings from one place to another for different purposes. Furthermore, there are various reasons behind tree plantation but the most important are forestry, land reclamation, and landscaping. Each process of tree plantation is important and unique in its own way.*

*Trees give off oxygen that we need to breathe. Trees reduce the amount of storm water runoff, which reduces erosion and pollution in our waterways and may reduce the effects of flooding. Many species of wildlife depend on trees for habitat. Trees provide food, protection, and homes for many birds and mammals.*

*Trees and shrubs improve soil and water conservation, store carbon, moderate local climate by providing shade, regulate temperature extremes, increase wildlife habitat and improve the land's capacity to adapt to climate change.*

*Benefits of trees*

*Trees Regulate the Water Cycle. Trees*

*Provide Jobs.*

*Trees Are a Vital Habitat for Wildlife. They*

*Improve the Soil Quality.*

*Trees Prevent Soil Erosion. Trees*

*As a Food Source.*

*NO. OF STUDENTS PARTICIPATED: 35*



GPS Map Camera



KALASALINGAM UNIVERSITY (GREEN ARMY)Alagapuri, India  
HMFH+PG2, Madurai,Tamil Nadu 626138, India  
Lat 9.574424°  
Long 77.676013°  
29/10/22 10:34 AM GMT +05:30



GPS Map Camera



KALASALINGAM UNIVERSITY (GREEN ARMY)Alagapuri, India  
HMFH+PG2, Madurai,Tamil Nadu 626138, India  
Lat 9.574424°  
Long 77.676013°  
29/10/22 10:47 AM GMT +05:30





GPS Map Camera  
KALASALINGAM UNIVERSITY (GREEN ARMY)Alagapuri, India  
HMFH+PG2, Madurai,Tamil Nadu 626138, India  
Lat 9.574424°  
Long 77.676013°  
29/10/22 10:48 AM GMT +05:30



GPS Map Camera  
KALASALINGAM UNIVERSITY (GREEN ARMY)Alagapuri, India  
HMFH+PG2, Madurai,Tamil Nadu 626138, India  
Lat 9.574424°  
Long 77.676013°  
29/10/22 10:49 AM GMT +05:30

**Name of the Event:** Palm Tree Plantation

**Year of the activity:** 2022-23

**Number of students participated in such activities:** 35

<b>Sl. No.</b>	<b>Participants</b>
1.	R. S. Balaji
2.	Riyas khan . P
3.	Dhetchana moorthy.A
4.	Harish . M
5.	N. Harish vasanth
6.	siva. S
7.	karthickpandi. P
8.	K. Akash kumar
9.	Imam hussain. S
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12.	Bala aravinth. S
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14.	Yogesh thirumalaikumar. K. S.
15.	Sri Saravanan
16.	M. Roja
17.	C. Deepika
18.	R. Deepika
19.	M. Muneeswari
20.	Pavithra. K
21.	Salomi Shilpa. A
22.	Muthuselvi. P
23.	Elbin
24.	Gobinath. S
25.	Kamalakumar. S
26.	Arun Kumar. M
27.	Dhanapal. G
28.	Mahapriya. S
29.	Lishatha. S
30.	Naveena. L
31.	Muthupackiyam. M
32.	Isurya. M
33.	Arun Kumar. A





34.	Muthumani. M
35.	J. Rajasekar

COORDINATOR SIGNATURE

### Strategies of Building Energy Conservation

Building Energy Conservation was organized in Kalasalingam Academy of Research and Engineering by arranging a Guest lecture on the topic “How to Conserve Energy in Buildings” by Google-meet on 9th of October 2021 from 4:00 pm to 5:00 pm.

**Speaker:** Dr. Syed Shuibul Qarnain, Building Services Engineer Doha, Qatar.

#### **Topic Discussed:**

Energy conservation in household and community level and transportation sector were focused in the lecture.

**KALASALINGAM**  
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**Guest Lecture on**  
**HOW TO CONSERVE ENERGY IN BUILDINGS**  
Organized By  
**GREEN ARMY**

**Guest :**  
**Syed Shuibul Qarnain**  
Building Services Engineer  
Doha, Qatar

**Date: 09/10/2021**  
**Time: 4 p.m - 5 p.m**

**Program Officer:**  
**Dr. P. Sivakumar**  
Professor/Director  
Student Affairs

**Staff Incharge:**  
**Dr. S. Muthuvel**  
Associate Professor

**Coordinator:**  
**Dr. M. Muthu Kannan**  
Professor

**Ms. N. Vigneshwari**  
Assistant Professor

**TO JOIN THE LECTURE**  
meet.google.com/tnk-tczj-zzm



### Glimpse of Guest Lecture:

Energy conservation in buildings is the reduction in building energy consumption without reducing thermal comfort. It usually results in better indoor air quality and occupant's productivity. Energy system technologies, emissions from energy sources, and environmental and health impacts are all interrelated so a change in one area may impact another, either positively or negatively.

### Tips to reduce energy consumption in commercial buildings

1. Fixing the ventilation system. The ventilation system in the building may not be up to the mark and may require some modifications. ...
2. The importance of a good insulation system. ...
3. LEED certification. ...
4. Use energy efficient lights. ...
5. Use certified electrical equipment.

NO. OF STUDENTS PARTICIPATED: 64

S. No.	Reg. No.	Name
1	9919009041	NUSUMU LOUKIK PHANINDRA REDDY
2	9919009045	PRAVEEN KUMAR N
3	9919009025	ISAKKIRAJ M
4	9919009060	SRIRAMAKRISHNAN S
5	9919009057	SARVANAND NUNDOWAH
6	9919009006	BHARATH KUMAR A
7	9919009019	GOPIKRISHNA R
8	9919009054	SALAMAN SADVIN D
9	9919009027	KARTHIKEYAN K M
10	9919009050	RAJASEKAR S
11	9919009002	AKASH G
12	9919009056	SANKARAN S
13	9919009046	PREM KUMAR B
14	9919009040	NAVEEN KUMAR S
15	9919009052	RISHHI NARAYANAA M
16	9919009029	MAHESHWARAN M
17	9919009039	NAVEEN KUMAAR R



18	9919009031	MATHESH J
19	9919009017	GODDUMARRI NARASIMHA
20	9919009035	NALLANARASANNAGARI BHANU PRAKASH
21	9919009051	RIGESH K
22	9919009030	MATHAVAN M
23	9919009010	CHANDRAPRAKASH K
24	9919009049	RAJA VIGNESHWARAR R
25	9919009055	SANJEEBAN J
26	9919009014	DASARI HARI KISHORE
27	9919009043	PARIKE MANOJ
28	9919009048	RAJA NAGA SAI UPENDRA KUMAR
29	9919009011	CHENNAMSETTY VENKATA GANESH
30	9919009026	IYYAPPAN K
31	9919009012	CHIMAKURTHI HITESH RAMA DURGA SAI KUMAR
32	9919009016	DONDETI VENKATA MAHESH REDDY
33	9919009001	ABHISHEK APPATHURAI.R
34	9919009044	PRADEEP R
35	9919009022	HARI KRISHNA PANDIAN S
36	9919009013	CHINTHAPALLI BHANUPRAKASH
37	9919009033	MUNGARA SANDEEP
38	9919009036	NARIPOGU NIKHIL ROHITH KUMAR
39	9919009007	BONAM PRADEEP KUMAR
40	9919009023	ILLURI SHIRISH BABU
41	9919009015	DHINAKARAN M
42	9919009008	BUDIDA VIJAYA KUMAR
43	9919009009	CHANAKIYAN D
44	9919009021	GUDA PRANEETH
45	9919009032	MUCHINTHALA DEEPAK
46	9919009042	OBILISSETTY MOHAN VAMSI KRISHNA
47	9919009037	NARNE DIRENDRA KUMAR
48	9919009034	NAARISSETTI CHAKRI DEEPAK
49	9919009047	PULLAKOMALA PAVAN KUMAR
50	9919009004	BANDARU SANGRAM
51	9919009038	NATHIKONDA VIJAY
52	9919009020	GORAVA CHENNAKESAVAGARI PHANI BHUSHAN
53	9919009024	INDLA DHEERAJ
54	9919009059	SHAKTHI VAROON M
55	9919009053	SAKTHI MARI MUTHU G

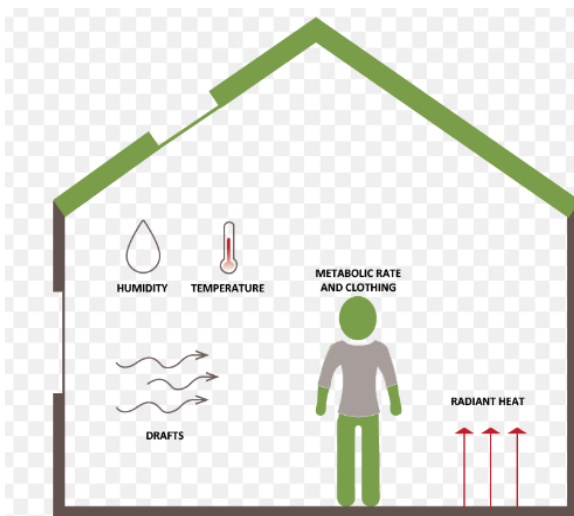


56	9919009003	ARUN PANDIAN M
57	9919009058	SATHESH KUMARAN A
58	9820009002	DAMODHARAN NAIDU A
59	9820009003	HARISH P
60	9820009004	MADISSETTY SAMPATH KUMAR
61	9820009005	SIVA KRISHNAN J
62	9820009006	SONU ABISHAK P
63	9820009009	DHINA R
64	9820009010	HIZZADDUN PARVEES S

The screenshot shows a Google Meet interface with a presentation slide. The slide title is "Different Types of Air conditioning" and the main heading is "Classification of Air Conditioning System". The content is as follows:

- A. According to arrangement of equipment
  1. Unitary system
  2. Central system
- B. According to the purpose
  1. Comfort air conditioning system
  2. Industrial air conditioning system
- C. According to season of year
  1. Winter air conditioning system
  2. Summer air conditioning system

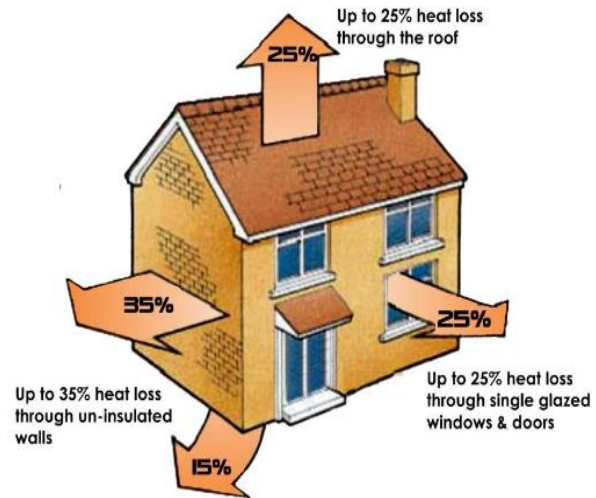
The meeting interface shows 14 participants and a presenter, Syed Shuibul Gurnain. The system tray at the bottom indicates a temperature of 32°C and a date of 05-02-2022.







## ENERGY EFFICIENCY IN HOMES



**Name of the Event:** Guest Lecture

**Year of the activity:** 2021-22

**Number of students participated in such activities:** 64

COORDINATOR SIGNATURE



## GLIMPSES FROM THE EVENTS









## EPILOGUE

Student's society is a well-being of nature and Environment. Here our university students are willingly participate in environmental development activities. This gives them the importance of Green Earth Goal for Sustainable Energy generation. Thus the new team of volunteers under the name of "GREEN ARMY" will work continuously in taking care of the campus environment. This activity will give an additional opportunity to the students to learn more on nature and resource conservation. This team will work in all four aspects namely

- Energy Conservation
- Water conservation
- Environment Protection
- Tree Plantation
- Cleaning nearby villages
- Helping hands
- Plastic Campaign
- Vehicle Free Day
- Pollution Monitoring
- Industrial Visit

Their effort will certainly yield results in the form of enhanced green area, optimal use of resources and harvesting of water. These activities are continuously encouraged by the management of our University for the students to make ease of clean and litter free campus. With this new evaluation of activity KARE poised to emerge as one of the best environment for educational activities.

The need of the hour is "***GREEN AND CLEAN ENVIRONMENT***"

