



**REPORT**  
**OF**  
**"GREEN BUILDING WEEK CELEBRATION"**  
**BY**  
**INDIAN GREEN BUILDING COUNCIL (IGBC)**  
**STUDENTS' CHAPTER,**  
**A.D. PATEL INSTITUTE OF TECHNOLOGY,**  
**NEW V.V.NAGAR**  
**UNDER**  
**E-SPECTRUM 2020**  
**21<sup>st</sup>-25<sup>th</sup> SEPTEMBER, 2020**

**Faculty Coordinators**

**Dr. Rajiv B. Bhatt**

**Prof. Bhavin Patel**

**Student Coordinators**

**Nisarg Shah**

**Shikhar Sangule**



**Chief Patron**  
**Er. Bhikhubhai Patel**  
(Chairman, CVM)



**Patron**  
**Shri Manish Patel**  
(Vice President, CVM)



**Patron**  
**Dr. S. G. Patel**  
(Hon. Secretary, CVM)



**Patron**  
**Shri. M.D. Patel**  
(Hon. Jt. Secretary, CVM)



**Program Chair**  
**Dr. V. N. Singh**  
(Principal, ADIT)

## ORGANIZING COMMITTEE

Sr. No.	Name of Student
1.	Dave Hemang Krushnakant
2.	Shah Nisarg Ritesh
3.	Sangule Shikhar Umashankar
4.	Chaudhari Shivani Prafullbhai
5.	Kasta Aarti Vijay
6.	Rathi Amarjeet Sureshkumar
7.	Tank Rajan Bakulbhai
8.	Nakum Jaypalsinh Devrajsinh
9.	Kagathara Keyur D.
10.	Pandey Sonu
11.	Jadav Mohishraj H.

# FLYER OF PROGRAMME

**A. D. Patel Institute of Technology**  
( A Constituent College of CVM University )





**Civil Engineering Department**

**“GREEN BUILDING WEEK CELEBRATION”**  
**by IGBC Students’ Chapter, ADIT**  
**Under E-Spectrum 2020**  
**September 21<sup>st</sup> – 25<sup>th</sup>, 2020**

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**Chief Patron**  
**Er. Bhikhubhai B. Patel**  
( Chairman, CVM )

**Patrons**  
**Shri Manish Patel**  
( Vice President, CVM )

**Dr. S. G. Patel**  
( Hon. Secretary, CVM )

**Shri M D Patel**  
( Hon.Jt. Secretary, CVM )

**Program Chair**  
**Dr. V. N. Singh**  
( Principal, ADIT )

**Coordinator**  
**Dr. Rajiv B. Bhatt**  
(Asso. Prof. & Head,CED)  
Mobile No. 9428488052

**Co-Coordinator**  
**Prof. Bhavin Patel**  
(Asst. Prof., CED, ADIT)  
Mobile No. 9427617982

## CVM University:

Charutar Vidya Mandal (CVM), was established in the year 1945 with a prime objective of rural development through education. The uniqueness of this trust lies in its ability to use quality education as a powerful means of social transformation. Presently CVM Manages 49 educational institutions from schools to colleges and sophisticated research institutes. CVM University has been established since 2020 which is spread over 700 acres and comprises of 19 institutions.

## The Institute:

A. D. Patel Institute of Technology is a 3<sup>rd</sup> Engineering college established by Charutar Vidya Mandal, V.V. Nagar Gujarat in newly developed educational town- ship known as New Vallabh Vidyanagar. Institute is running 8 UG programmes viz. Automobile Engineering, Computer Engineering, Electrical Engineering, Electronics and Communication, Food Processing Technology, Civil Engineering, Information Technology and Mechanical Engineering and 6 PG programmes (M.E/M.Tech) viz. in Thermal Engineering, Renewable Energy, CAD/CAM, Food Technology, Artificial Intelligence and Signal Processing & Communication.

## About Programme:

IGBC students’ chapter has been started at ADIT in August’20. Every year “Green Building” week is celebrated in whole world in last week of September. ADIT students’ chapter has planned to do “Celebration of Green Building Week” at ADIT from 21<sup>st</sup> to 25<sup>th</sup> September 2020. Programme will have 4 webinars on various technical aspects of Green buildings. It will be delivered by Industry experts as well as experts from IGBC, Hyderabad. Poster competition on various themes of Green building is kept on 4<sup>th</sup> Day and quiz competition is planned on last day. Students will get good exposure to fundamental concepts of green building through this programme.

**A. D. Patel Institute of Technology**  
( A Constituent College of CVM University )

**Topics Covered**

- Introduction of Green Building
- Green Building Rating system
- STP Technologies for water efficiency
- Energy efficiency through cool roof
- Case studies – Green Buildings

**Resource Persons**  
Eminent expert from Industries and from IGBC – CII, Hyderabad.

**Registration**  
Faculties from Civil Engineering Department, ADIT and students of Third Year and Final Year from Civil Engineering Department, ADIT.  
Registration link :- <https://forms.gle/cWQkjbFbGS5HMx9Y9>

**Mode Of Webinar**  
All sessions will be conducted Online on Google Meet Platform.  
Link of Google meet is - <https://meet.google.com/rta-pkpw-ptu>

**In Case Of Queries Contact**  
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Civil Engineering Department  
A. D. Patel Institute of Technology New V V  
Nagar, Anand, Gujarat Mobile: 9428488052  
Email: head.civil@adit.ac.in



**ACTION** #ActOnClimate

SCHEDULE		
“GREEN BUILDING WEEK CELEBRATION”		
UNDER E-SPECTRUM 2020		
Day-1	Time	Schedule
21/09/2020	Session A	10:30 am to 11:00 am Inaugural Ceremony & Introduction Chief Guest, Sh. Sameer Sinha, Chairman, IGBC, Ahmedabad chapter
	Session B	11:00 am to 12:30 pm Webinar 1 – “Green Building Rating Systems” by Manisha Shetty, CII, Hyderabad
22/09/2020	Session A	10:30 am – 11:45 am Webinar 2 – “STP Technologies for water efficiency”, by Vinod Malviya, Shubham Industries, Ahmedabad
	Session B	11:45 am to 1:00 pm Webinar 3 - “Energy efficiency through cool roof” by Neethi Jain, Co-Chairperson, IGBC Vaddodara Chapter
23/09/2020	Day-3	11:30 am -12:45 pm Webinar 4 – “Case studies – Green Buildings” by Mr. Amith M.C., Associate Counselor, CII – IGBC, Hyderabad
24/09/2020	Day - 4	Poster Presentation Theme: 1. Net zero energy efficient building 2. Net zero efficient water building 3. Climate change 4. Indian green building rating system
25/09/2020	Day - 5	Quiz Competition at 10:00 am An online quiz competition covering topics of all webinars.
		Valedictory function At 11:30 pm Chief Guest, Sh. Bhavesh Shah, Chairman, IGBC Vaddodara Chapter



## Green Building Week Celebration by IGBC Students' Chapter, ADIT (September 21<sup>st</sup> to 25<sup>th</sup> 2020)



**Mr Sameer Sinha**  
chairman IGBC  
Ahmedabad Chapter  
Chief Guest  
Inaugural ceremony



**Mr Bhavesh Shah**  
chairman IGBC  
Vadodara Chapter  
Chief Guest  
valedictory function



**Neetu Jain**  
Co-chairperson  
IGBC Vadodara  
chapter

### Webinars



**Manisha Shetty**  
CII Hyderabad



**Vinod Malviya**  
Shubham Industries  
Ahmedabad



**Neetu Jain**  
Co-chairperson  
IGBC Vadodara  
chapter



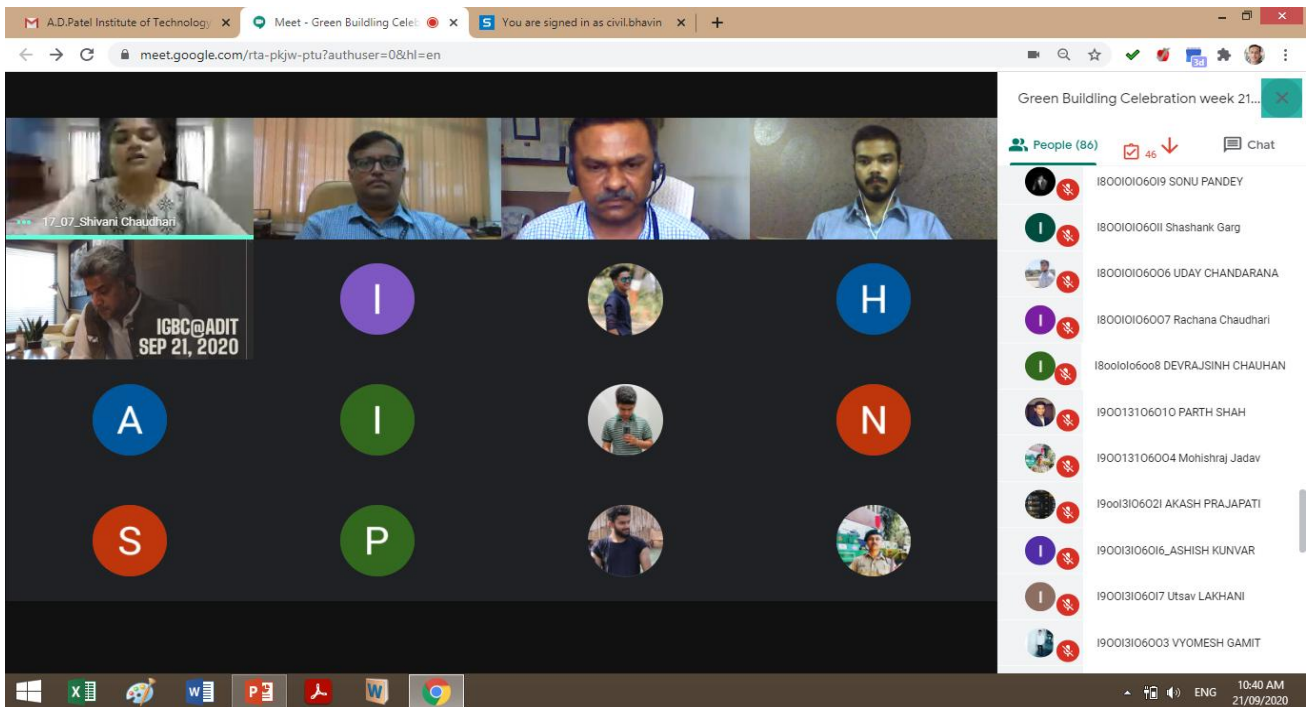
**Mr Amith**  
CII Hyderabad

Indian Green Building Council(IGBC) Students' Chapter of A.D. Patel Institute of Technology of New Vallabh Vidhyanagar , Gujarat did the "**GREEN BUILDING WEEK CELEBRATION**" during "WORLD GREEN BUILDING WEEK" from 21<sup>st</sup>-25<sup>th</sup> September, 2020. Whole programme was supported by IGBC Ahmedabad & IGBC Vadodara Chapter as well as IGBC, Hyderabad. Detailed report of whole celebration is as given below:

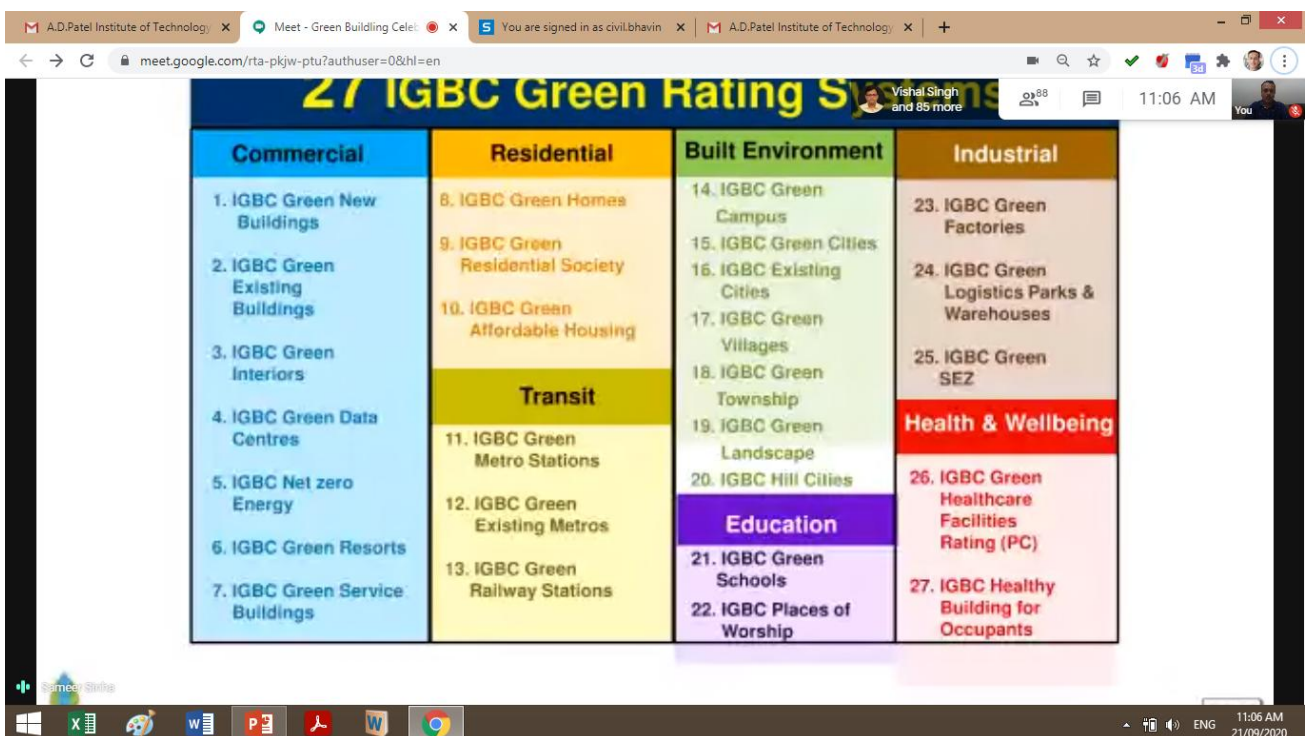
### **DAY 1: 21/09/2020: INAUGURAL FUNCTION, 10:30 AM ON GOOGLE MEET PLATFORM**

On 1<sup>st</sup> day, 21<sup>st</sup> September, 2020 celebration started with Inaugural function. Chief Guest of the function was Shri Sameer Sinha, Chairman, IGBC Ahmedabad chapter & Director of Savvy Infrastructure, Ahmedabad. Shri Sameer Sinha emphasized on importance of Green Buildings for sustainable development. He discussed about power of without, like Sanitation without Sewer, Urbanity without roads, Mobility without cars and many others. He conveyed that IGBC is playing leading role in Green Building movement in our country. As per statistics, he told that till today there are more than 600 registered green projects in India. He shared that there are 26 chapters of IGBC currently in India. Sir invited the young students to join Green Building movement in future.

Inaugural function ended with Presidential remarks by Dr. Vishal Singh, Principal, ADIT who expressed best wishes for the whole programme to IGBC students' chapter. Vote of Thanks was delivered by Shikhar Sangule. Inaugural function was handled by Shivani Chaudhary & Shikhar Sangule from 4<sup>th</sup> Civil Engineering Department. There were 90 participants in the function.



## Inaugural function



## Speech by Sh Sameer Sinha, Chief Guest

## DAY 1: 21/09/2020: WEBINAR 1: MANISHA SHETTY, IGBC HYDERABAD, 11:00 AM ON GOOGLE MEET

Ms. Manisha Shetty delivered a webinar on "Green Building & its rating system". She explained the key features of green building and role of Indian Green Building Council (IGBC). She discussed the tangible & intangible benefits of Green building to the participants. She gave overview of Green rating system for Commercial Buildings (7 Nos.), Residential Building (3 Nos.), Transit Systems (3 Nos.), Built Environment (7 Nos.), Education Building (2 Nos.), Industrial Buildings (3 Nos.) & Health and well beings (2 Nos.). She gave information about national standards which are used as baselines in preparation of these rating systems. She further explained the issues and challenges and efforts to address in various areas of green buildings like sustainable site selection, energy efficiency, water efficiency, IEQ and materials. Q & A was also interesting and many students asked questions to madam. Webinar was anchored by Aarti Kasta from 4th year Civil Engineering.

The screenshot displays a Google Meet session. The central focus is a presentation slide with the heading "Sustainable Development" in red. Below the heading, the text reads: "Use of Resources to meet our needs without depriving the resources for future generations". The slide includes three images: a large orange residential building, a modern multi-story office building, and a green building with palm trees. The IGBC logo is visible in the bottom left corner of the slide. The meeting interface on the right shows a list of 11 participants. The bottom of the screen shows a Windows taskbar with icons for various applications and the system clock showing 11:38 AM on 21/09/2020.

### Webinar 1 by Manisha Shetty



## DAY 2: 22/09/2020: WEBINAR 2: VINOD MALVIYA, SHUBHAM INC., AHMEDABAD 10:30 AM ON GOOGLE MEET

On 2<sup>nd</sup> day webinar 2 was delivered by Shri Vinod Malviya on "STP Technology for water efficiency". He began his speech with importance of water. He told that by 2030, 40% population will have no access to drinking water in the world. Around 2030, there will be a break-even point for demand & supply scenario of water in India. Sir discussed about properties and treatment method for sewage. Sir discussed the processes like conventional, biological treatments and its effect on various parameters. Sir also talked about activated sludge process and moving bed bio-reactor technology for sewage treatment. It was anchored by Shikhar Sangule from 4th year Civil Engineering.

The screenshot shows a Google Meet interface with a presentation slide titled "Heart of the Plant" and a sub-heading "Membrane". The slide features a diagram of a membrane module and a list of bullet points:

- Membrane fibres have billions of microscopic pores on the surface
- The pores form a barrier to impurities while allowing pure water molecules to pass
- Water is drawn through the pores using a gentle suction

Below the diagram, the slide lists "Structure Types: Flat Sheet | Hollow fibres" and "Installation Types: Immersed | External". At the bottom, it specifies "MOCs: PVDF | PES | PS | PP" and "Flow Types: Out to In | In to Out". The Shubham logo is visible in the bottom right corner of the slide. The Meet interface shows a participant list on the right with names like "Heed Civil Engg.", "17\_41 Shikhar Sangule", and "I8001016001 Meet Sameja". The system tray at the bottom indicates the time is 11:14 AM on 22/09/2020.

### Webinar 2 by Vinod Malviya

## DAY 2: 22/09/2020: WEBINAR 3: NEETU JAIN, CO-CHAIRMAN, IGBC VADODARA CHAPTER, 11:45 AM ON GOOGLE MEET

On 2<sup>nd</sup> day, 3<sup>rd</sup> Webinar was delivered by Neetu Jain on "Energy efficiency through cool roof". She explained the concepts & benefits of cool roof. She explained use of various materials on terraces, vertical walls and for industrial sheds. She discussed case studies of Electronics manufacturing factory of Chennai, IGBC Headquarters of Hyderabad and Industrial tanks. She told that students should come up with Research projects on cool roofs.

Anchoring of 3<sup>rd</sup> webinar was done by Shikhar Sangule from 4th year Civil Engineering.

**BENEFITS FROM – COOL TOPS**

**COOL TOPS**

**1. Provides REQUIRED OPTIMUM THERMAL COMFORT WITHOUT AC !**

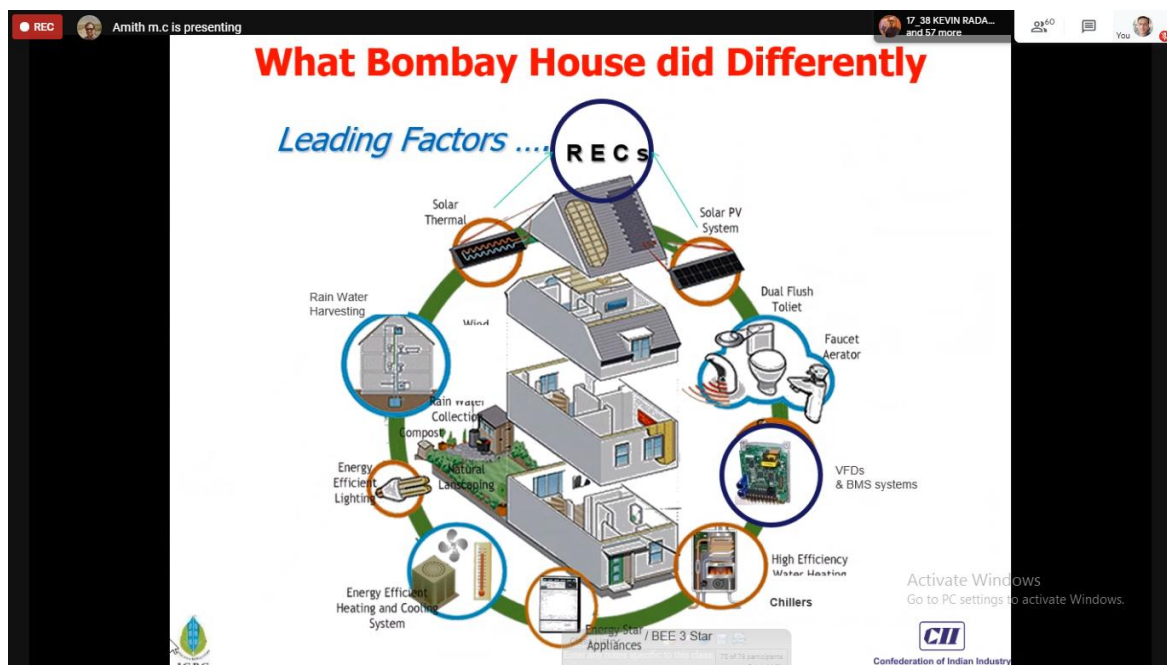
1. Reduces City Temp by 2-3 Deg. C
2. Reduces surface temp of -
  - I. Cement substrate by 18-20 Deg. C
  - II. Metal substrate by 20-25 Deg. C
3. Gives Electricity saving by 30 %
4. Increases Thermal Comfort by 60%.
5. Increases Solar Cell Efficiency !
6. Effective on all type of surfaces/Materials.
7. Reduces Heat Pollution!

Activate Windows  
Go to PC settings to activate Windows.

### Webinar 3 by Neetu Jain

## DAY 3: 23/09/2020: WEBINAR 4: AMITH M.C., IGBC HYDERABAD, 11:45 AM ON GOOGLE MEET

On 3<sup>rd</sup> day of celebration, 4<sup>th</sup> webinar was delivered by Amith M.C. on "Case studies of Green Building". He discussed very interesting case studies of net zero home at Bhuvneshwar having RWH tank inside the building and Nandi Urbane commune, Hyderabad having largest Bamboo structure for its clubhouse. He also had shown solar trees and bio ponds on that site. Then he discussed Bombay House of TATA Headquarters at Mumbai which is retrofitted old structure. He explained bio walls being done at Hero Moto Corps factory at Alwar, Rajasthan. He also explained Green Campus rating system. Anchoring was done by Nisarg Shah from 4th year Civil Engineering.



### Webinar 4 by Amith M C

## **DAY 4: 24/09/2020: POSTER MAKING COMPETITION**

Poster making competition was held on the fourth day of the celebration. Participants were given following four themes for the poster making:



- 1) Net Zero Energy Efficient Buildings
- 2) Net Zero Water Efficient Buildings
- 3) Climate Change
- 4) Indian Green Building Rating Systems

Total 10 posters were presented through online mode by the students. Posters were judged by Prof. Drashti Bhatt, Assist. Prof, ADIT & Prof. Jignesh Brahmabhatt, Assist Prof, BVM. First, second & third Rank posters were given winner certificates in the valedictory function. It was coordinated by Amarjeet Rathi & Rajan Tank from 4th year Civil Engineering.

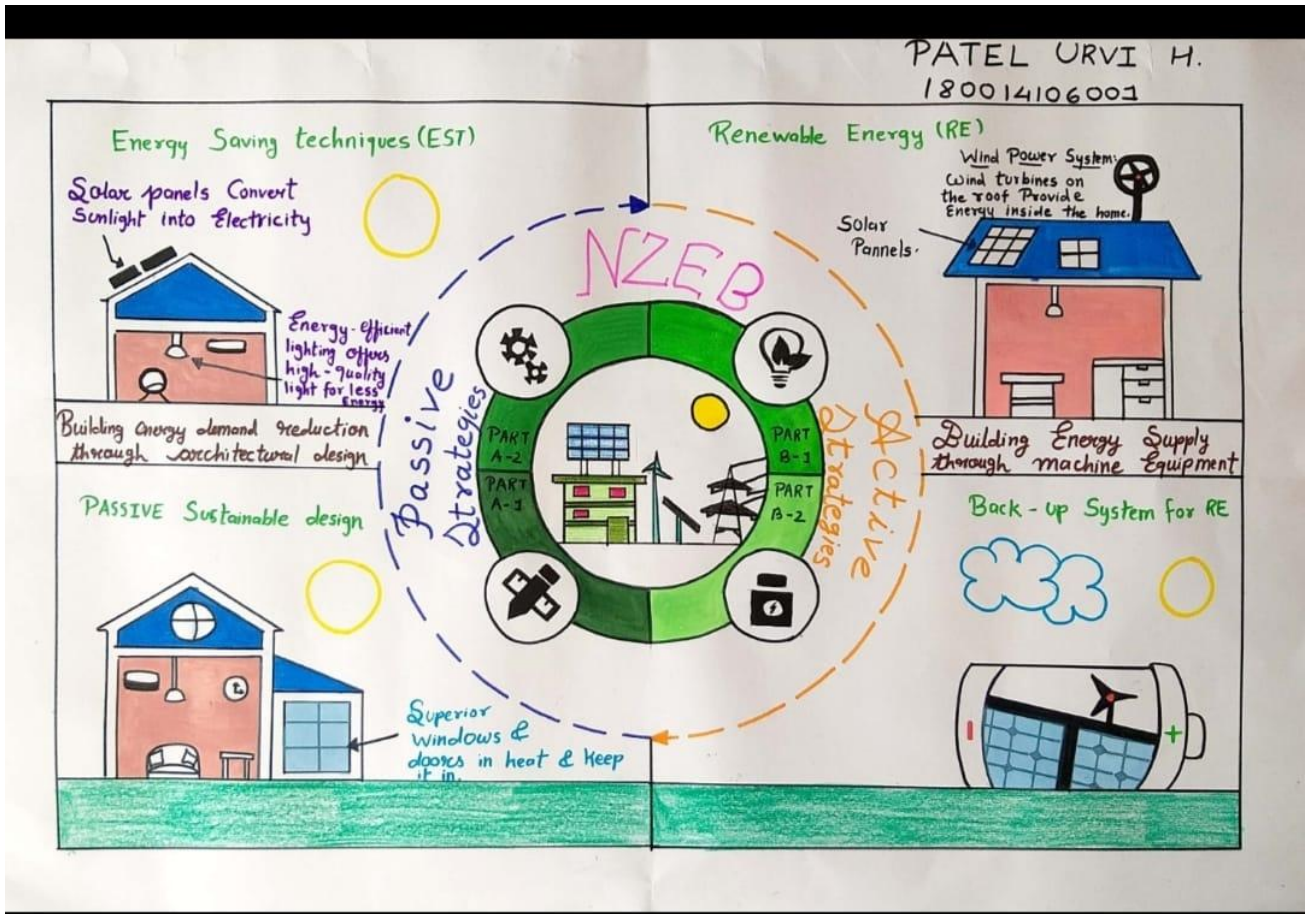
### **WINNERS OF POSTER COMPETITION**

<b>RANK</b>	<b>NAME</b>	<b>ENROLLMENT NUMBER</b>
<b>FIRST</b>	<b>PATEL BHUMIT KISHORBHAI</b>	<b>180013106010</b>
<b>SECOND</b>	<b>PATEL URVI HEMANTBHAI</b>	<b>180014106001</b>
<b>THIRD</b>	<b>THANKI BHAVIK</b>	<b>180013106024</b>

## Poster - 1<sup>st</sup> Rank

<b>NET ZERO ENERGY EFFICIENT BUILDING</b>	
<p><b>What is zero energy building:</b></p> <ul style="list-style-type: none"> <li>- A zero energy building is a building with zero net energy consumption</li> <li>- The total amount of energy used by the building on an annual basis is roughly equal to the amount of energy generated on site through renewable sources</li> <li>- ZEB is not a single product or technology, but rather a combination of closely-integrated involving technologies</li> </ul>	<p><b>Zero energy buildings in the India</b></p> <p><u>Akshay veda bhawan panchkula</u></p> <p>This building is being constructed based on solar passive design techniques having building Integrated Photovoltaic system of 42.50 KW capacity, solar chimney, cavity walls, water recycling, Energy Efficient Lighting, etc</p>
<p><b>Why?</b></p> <ul style="list-style-type: none"> <li>- To overcome energy crisis</li> <li>- Reduces Energy consumption</li> <li>- Reduces Global warming</li> <li>- Reduces Dependence on Fossil Fuels</li> <li>- Protects our environment for future generations</li> </ul>	
<p><b>How zero energy can be achieved:</b></p> <ul style="list-style-type: none"> <li>- Site selection &amp; orientation</li> <li>- Reduce Heating, cooling &amp; Lighting Load through climate Responsive Design and conservation Practices</li> <li>- Employ Renewable or High Efficiency Energy sources</li> </ul>	<p><u>Sun carrier omega, bhopal</u></p> <p>Sun carrier omega is the first company to bring to India the sun Tracking intelligent solar PV system, which generates about 40% more energy than fixed systems. Sun carrier omega has commissioned India's first commercial Net Zero Energy Building.</p>
<p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>- Reduced Requirement for energy</li> <li>- Increased comfort due to more-uniform interior temperatures</li> <li>- Reduced total net monthly cost of living</li> <li>- Reduced Total cost of ownership due to improved energy efficiency</li> <li>- Isolation for building owners from future energy price increases</li> <li>- Minimized extra cost</li> </ul>	
<p><b>Disadvantages:</b></p> <ul style="list-style-type: none"> <li>- Initial costs can be higher</li> <li>- Lack of skills or experience to build</li> <li>- ZEB may not reduce the required power plant capacity.</li> <li>- Solar energy capture using the house envelope only works in locations un-obstructed from the sun</li> <li>- Without an optimised thermal envelope the embodied energy, heating and cooling energy and resource usage is higher than needed</li> </ul>	<p><b>'ZEB' versus 'Green Building'</b></p> <ul style="list-style-type: none"> <li>- Green Building is a building process depending on the environment and efficient resources available</li> <li>- Green Building reduces negative impact on the environment</li> <li>- Zero Energy Building reduces more energy usage and greenhouse gases emission</li> <li>- ZEB may not be considered GREEN in all areas, such as reducing waste, using recycled building materials etc.</li> </ul>

## Poster - 2<sup>nd</sup> Rank



## Poster - 3<sup>rd</sup> Rank

### NET ZERO ENERGY EFFICIENT BUILDING

**Definition :-**

A Zero Energy Building is a building with zero net energy consumption, meaning the total amount of energy used by the building on an annual basis is equal to the amount of renewable energy created on the site.

**Advantages :-**

- 1.) Tax breaks
- 2.) Budget Flexibility
- 3.) Zero energy Consumption
- 4.) Higher Resale Value
- 5.) Minimizing Ecological Footprints
- 6.) Comfortable Living Space.

**Disadvantages :-**

- 1.) Initial cost can be higher
- 2.) Requires skilled builders and designers.
- 3.) Challenge to recover higher initial cost.

**"PASSIVE HOUSE"**

**Methodology :-**

- Most Zero net energy building get half or more energy from the grid, and the same amount of energy return at other time.
- Combining design & technical innovations, solar panels, waste water recycling, specially designed window shades, and insulated walls.
- For design this type of building sophisticated 3-D building energy simulation tools are available.
- Zero energy building are built with significant energy saving features.
- The heating and cooling load are lowered by using high efficiency equipment, added insulation, high efficiency window, natural ventilation and other techniques.
- Maximum water optimized by rain water harvesting, and maximum energy consumed by solar panel.

Example of Net Zero energy efficient building :- Godrej ABC (IABC HA) Hyderabad.

Name: Bhavik Thanki  
ERN :- 180013106024  
College: A.D. Patel Institute of Technology

## DAY 5: 24/09/2020: QUIZ COMPETITION: 10:00 AM

An online Quiz Competition was held on the last day of the celebration. It was having total 25 questions from the content of webinars delivered during the first 3 days. Quiz is attached at the end of this report. Total 60 students participated in this online quiz. Results are as given below.

### WINNERS OF QUIZ COMPETITION

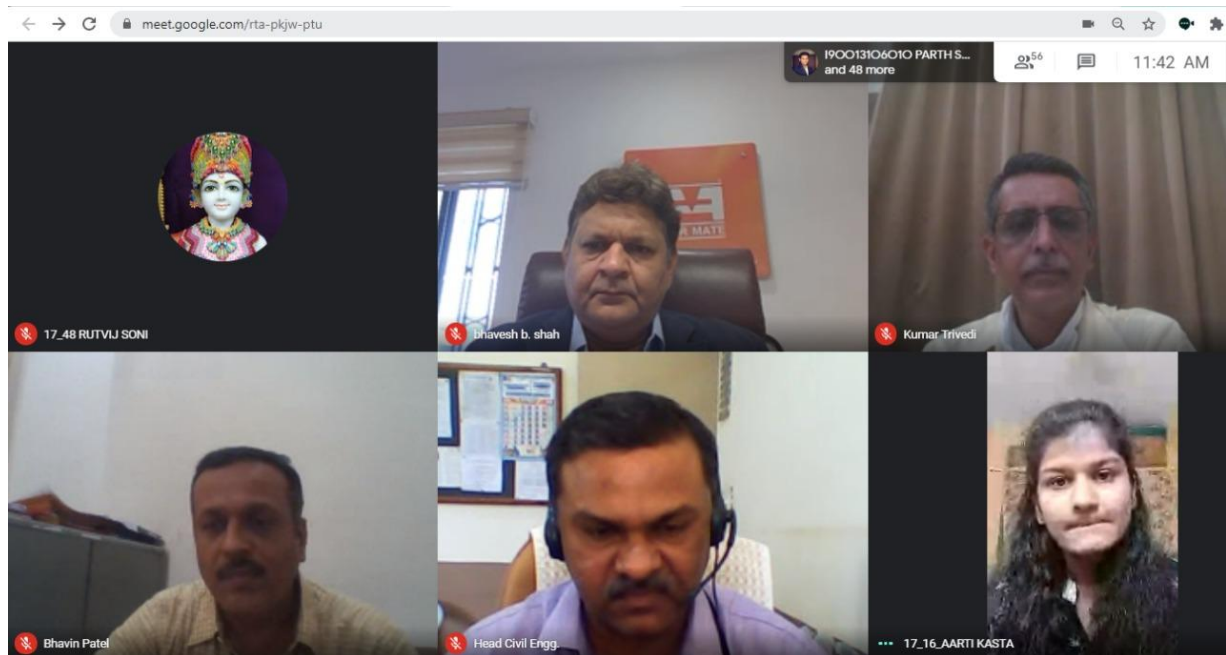
RANK	NAME	ENROLLMENT NUMBER
FIRST	PATEL URVI HEMANTBHAI	180014106001
SECOND	RATANPARA YUG	190013106009
SECOND	DEVRAJSINH CHAUHAN	180010106008
THIRD	RAJAN TANK	180013106023

Winners were given certificates by Chief Guest Shri Bhavesh Shah, Chairman, IGBC Vadodara Chapter during the valedictory function.



## DAY 5: 24/09/2020: VALEDICTORY FUNCTION: 10:45 AM

Valedictory function was held on 25<sup>th</sup> September 2020. It was attended by Shri Bhavesh Shah, Chairman, IGBC Vadodara Chapter as the Chief Guest. Shri Bhavesh sir did the honours of certificate distribution in virtual mode to the winners of poster competition and quiz competition. Bhavesh Sir conveyed appreciation for the celebration to the IGBC Students' chapter, faculty members and to the institute. Sir told that new planning of activities for the whole year can be done and all support of IGBC will be provided in the future. President of the function Dr. Vishal Singh conveyed best wishes to the Chapter and congratulated coordinators for successful execution of the programme. Vote of thanks was delivered by faculty coordinator Prof Bhavin V. Patel. Function was anchored by Aarti Kasta from 4th year Civil Engineering.



### Valedictory function



## **List of participants of “Green Building Week Celebration”**

<b>Sr No</b>	<b>Enrollment No.</b>	<b>Name of student</b>	<b>Branch</b>	<b>Level</b>
1	190010114005	Astha Borad	FPT	Final Year
2	136480306049	Jash Suthar	D2D	Second Year
3	150010106007	Nikhil Bilval	Civil	Third Year
4	166040306046	Yuvraj Sapra	Civil	Final Year
5	166040306053	Jay Vaghela	Civil	Second Year
6	166560306066	Dixita Mistry	Civil	Final Year
7	170010106002	Viraj Anam	Civil	Final Year
8	170010106004	Tanmay Bhagat	Civil	Final Year
9	170010106005	Bhayal Govind Singh	Civil	Final Year
10	170010106006	Jeet Chande	Civil	Final Year
11	170010106007	Shivani Chaudhari	Civil	Final Year
12	170010106008	Urvish Contractor	Civil	Final Year
13	170010106009	Hemang Dave	Civil	Final Year
14	170010106010	Raj Dharani	Civil	Final Year
15	170010106012	Apurv Jadav	Civil	Final Year
16	170010106014	Prince Kalariya	Civil	Final Year
17	170010106015	Smit Kalathiya	Civil	Final Year
18	170010106016	Arti Kasta	Civil	Final Year
19	170010106017	Savan Koyani	Civil	Final Year
20	170010106020	Smit Sodi	Civil	Final Year
21	170010106021	Jaypalsinh Nakum	Civil	Final Year
22	170010106022	Janvi Pandey	Civil	Final Year
23	170010106023	Bharat Parmar	Civil	Final Year
24	170010106029	Dhruvin Patel	Civil	Final Year
25	170010106030	Jainil Patel	Civil	Final Year
26	170010106036	Megh Prajapati	Civil	Final Year
27	170010106038	Kevin Radadiya	Civil	Final Year
28	170010106039	Amarjeet Rathi	Civil	Final Year
29	170010106041	Shikhar Sangule	Civil	Final Year

<b>Sr No</b>	<b>Enrollment No.</b>	<b>Name of student</b>	<b>Branch</b>	<b>Level</b>
30	170010106042	Nisarg Shah	Civil	Final Year
31	170010106044	Sodha Jigar	Civil	Final Year
32	170010106048	Rutvij Soni	Civil	Final Year
33	170010106049	Jenil Thorat	Civil	Third Year
34	170010106050	Vivek Vaghela	Civil	Final Year
35	170010106052	Mostafa Nazari	Civil	Final Year
36	170010106053	Najibullah Rasooli	Civil	Final Year
37	170010106054	Niamatullah Mazidi	Civil	Final Year
38	170010106057	Shejauddin Samadi	Civil	Final Year
39	176050306008	Hemangi Ghervara	Civil	Second Year
40	176050306018	Ankita Parmar	Civil	Second Year
41	176050306035	Patel Kasty	Civil	Final Year
42	180010106005	Ayush Butani	Civil	Third Year
43	180010106006	Uday Chandaran	Civil	Third Year
44	180010106007	Rachana Chaudhhary	Civil	Third Year
45	180010106008	Devrajsinh Chauhan	Civil	Third Year
46	180010106010	Darshit Dobariya	Civil	Third Year
47	180010106011	Shashank Garg	Civil	Third Year
48	180010106014	Keyur Kagathara	Civil	Third Year
49	180010106018	Nihal Mansuri	Civil	Third Year
50	180010106019	Sonu Pandey	Civil	Third Year

## QUIZ COMPETITION

1. What is the unit of energy performance index?
2. As per survey done in 2018, the total green cover in India of the total land area is \_\_\_\_\_%
3. Optimal window to wall ratio is one of the solution for heat gain reduction inside the building. True or false?
4. \_\_\_\_\_ is one of the green building feature of Hero Motocorp factory, Alwar Rajasthan
5. \_\_\_\_\_ are used in Naandi Rurban commune Project at Hyderabad.
6. What is the base case value for the usage of Faucet?
7. What is the full form of VOC?
8. In IGBC's new building rating system, how many points are kept for the water conservation category out of a total 100 points?
9. ECBC stands for \_\_\_\_\_.
10. In IGBC's new building rating system how many points are kept for the energy efficiency category out of a total 100 points?
11. Waterless urinals were available at Rs. 15,000/- per unit in 2003, and now they are available at Rs. \_\_\_\_\_ per unit.
12. The high-performance glass was available at Rs. 500/- per sq ft in 2003, and now it is available at Rs. \_\_\_\_\_ per sq ft.
13. Primary treatment removes \_\_\_\_\_.
14. As per the pollution control board, the value of B.O.D. for domestic waste should be \_\_\_\_\_ mg/lit.
15. For having 1 liter water for the domestic reverse osmosis plant, \_\_\_\_\_ liter

water is required.

16. By 2030; \_\_\_\_% of the population will have no access to drinking water.

17. Water consumption in restaurants will be \_\_\_\_\_ lit./ head/day.

18. If 1 degree C temperature reduces, then \_\_\_\_\_% benefit in a/c consumption can be achieved.

19. The difference in temperature between untreated and treated surface is app. \_\_\_\_\_ degree C.

20. As compared to bituminous road surfaces, cement concrete surfaces subtracts heat by \_\_\_\_\_ degree C.

21. The cost of Cool roof application including installation is \_\_\_\_\_ Rs. per Sq Ft.

22. The life span of a residential cool roof is \_\_\_\_\_ years.

23. Total \_\_\_\_\_ number of projects are covered till today by IGBC for analysis and rating.

24. Aquatic plants maintain \_\_\_\_\_ in biopond.

25. \_\_\_\_\_ was the first heritage building in India to be awarded the prestigious 'platinum rating' by the Indian Green Building Council.

## PRESSNOTE

**News Paper: Sardar Gurjari**

### એડીઆઈટી કોલેજમાં 'ગ્રીન બિલ્ડીંગ વિક'ની ઉજવણી



આણંદ, તા. ૩૦ સી.વી.એમ. યુનિવર્સિટી ન્યૂ વિદ્યાનગર સ્થિત એ.ડી.આઈ.ટી. કોલેજ ખાતે ઈન્ડિયન ગ્રીન બિલ્ડીંગ કાઉન્સિલ (આઈજીબીસી) સ્ટુડન્ટ્સ ચેપ્ટર દ્વારા "ગ્રીન બિલ્ડીંગ વિક" ન તાજેતરમાં ઓનલાઈન ઉજવણી કરવામાં આવી હતી.

પ્રોગ્રામ કો-ઓર્ડિનેટર ડૉ. રાજીવ ભટ્ટના જણાવ્યા મુજબ પ્રોગ્રામ દરમ્યાન ચાર ટેકનીકલ વેબિનાર, અલગ અલગ થીમ પર પોસ્ટર કોમ્પિટિશન અને ક્વિઝ કોમ્પિટિશનનું આયોજન કરવામાં આવ્યું હતું. આઈજીબીસી હૈદરાબાદ, અમદાવાદ અને વડોદરા ચેપ્ટરના તજજ્ઞો દ્વારા વિદ્યાર્થીઓને ગ્રીન બિલ્ડીંગનું મહત્વ, ગ્રીન બિલ્ડીંગ રેટીંગ સિસ્ટમ તથા વિવિધ કેસ સ્ટડી વિશે ઉપયોગી માહિતી આપવામાં આવી હતી.

ઓનલાઈન સમારંભના ઉદ્ઘાટનમાં આઈજીબીસી અમદાવાદ ચેપ્ટરના ચેરમેન સમીર સિન્હા તથા પુણાંદુતી સમારંભમાં આઈજીબીસી વડોદરા ચેપ્ટરના ચેરમેન ભાવેશ શાહ ઉપસ્થિત રહ્યા હતાં.

એ.ડી.આઈ.ટી. કોલેજના પ્રિન્સિપાલ ડૉ. વિશાલ સિંઘ, સીવીએમના અધ્યક્ષ ભીખુભાઈ પટેલ તથા અન્ય હોદ્દેદારોએ આઈજીબીસી ચેપ્ટર, એ.ડી.આઈ.ટી.ને માહિતી સભર પ્રોગ્રામોના આયોજન બદલ અભિનંદન પાઠવ્યા હતાં.

**1st October, 2020; Page.2**

**NEWS PAPER: CHAROTAR NO AWAZ**

### એડીઆઈટી કોલેજમાં ગ્રીન બિલ્ડીંગ વિકની ઉજવણી

આણંદ, તા. ૧ સી.વી.એમ. યુનિવર્સિટી ન્યૂ વિદ્યાનગર સ્થિત એ.ડી.આઈ.ટી. કોલેજ ખાતે ઈન્ડિયન ગ્રીન બિલ્ડીંગ કાઉન્સિલ (આઈજીબીસી) સ્ટુડન્ટ્સ ચેપ્ટર દ્વારા "ગ્રીન બિલ્ડીંગ વિક" ન તાજેતરમાં ઓનલાઈન ઉજવણી કરવામાં આવી હતી.

પ્રોગ્રામ કો-ઓર્ડિનેટર ડૉ. રાજીવ ભટ્ટના જણાવ્યા મુજબ પ્રોગ્રામ દરમ્યાન ચાર ટેકનીકલ વેબિનાર, અલગ અલગ થીમ પર પોસ્ટર કોમ્પિટિશન અને ક્વિઝ કોમ્પિટિશનનું આયોજન કરવામાં આવ્યું હતું. આઈજીબીસી હૈદરાબાદ, અમદાવાદ અને વડોદરા ચેપ્ટરના તજજ્ઞો દ્વારા વિદ્યાર્થીઓને ગ્રીન બિલ્ડીંગનું મહત્વ, ગ્રીન બિલ્ડીંગ રેટીંગ સિસ્ટમ તથા વિવિધ કેસ સ્ટડી વિશે ઉપયોગી માહિતી આપવામાં આવી હતી.

ઓનલાઈન સમારંભના ઉદ્ઘાટનમાં આઈજીબીસી અમદાવાદ ચેપ્ટરના ચેરમેન સમીર સિન્હા તથા પુણાંદુતી સમારંભમાં આઈજીબીસી વડોદરા ચેપ્ટરના ચેરમેન ભાવેશ શાહ ઉપસ્થિત રહ્યા હતાં.

એ.ડી.આઈ.ટી. કોલેજના પ્રિન્સિપાલ ડૉ. વિશાલ સિંઘ, સીવીએમના અધ્યક્ષ ભીખુભાઈ પટેલ તથા અન્ય હોદ્દેદારોએ આઈજીબીસી ચેપ્ટર, એ.ડી.આઈ.ટી.ને માહિતી સભર પ્રોગ્રામોના આયોજન બદલ અભિનંદન પાઠવ્યા હતાં.

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