SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Report of Seminar on

"Energy Conservation And Automation In Buildings"

Organised in association with

Indian Green Building Council – (IGBC)

09/10/2021

SRI VENKATESWARA COLLEGE OF ENGINEERING

(An Autonomous Institution affiliated to Anna University, Chennai)
Pennalur, SriperumbudurTk – 602117

DEPARTMENT OF CIVIL ENGINEERING

Report of Seminar on "Energy Conservation and Automation in Buildings"

Date : Saturday, 9th October 2021

Session 1

Time : 10 a.m.

Topic : Energy Demand Reduction in Residences: Challenges in the Indian Context

Speaker

Dr. Rajasekar Elangovan

Associate Professor

Department of Architecture and Planning, Indian Institute of Technology Roorkee

Link : https://meet.google.com/irc-fesm-zxf

Session 2

Time :12 noon

Topic : Energy Efficiency in Buildings

Speaker

Mr. Girish R Visvanathan

Director – Tech.

Earthonomic Engineers Pvt Ltd

Chennai

Link : https://meet.google.com/znh-wmde-uds

Session 3

Time :2 p.m.

Topic : Building Automation System and Energy Optimization Opportunities in Buildings

Speaker

Mr. Mayur Dangare

Delivery Manager, Johnson Controls India Pvt. Ltd.

Pune, Maharashtra

Link : https://meet.google.com/uyb-nqvs-tdf

Convenor

Dr.R.Kumutha, Professor & Head/Civil Engg.

Coordinators

Ms.Ruby Freya, Assistant Professor/ Civil Engg.

Mr. G. Arun, Assistant Professor/ Civil Engg.

Target Audience : Students , Faculty members and Industry Personnel – 82 registered

Number of Participants submitted feedback :

Session	Students	Faculty	Others
1	22	5	1
2	46	5	2
3	37	4	1

Target Audience : Students, Faculties and Industrial personnel

Session	Number of Participants attended
1	28
2	53
3	42

SVCE

RUBY FREYA CVE <rubyfreya@svce.ac.in>

Request for delivering lecture in a webinar for civil engineering students

Rajasekar Elangovan <raj@ar.iitr.ac.in> 30 August 2021 at 10:57
To: RUBY FREYA CVE <rubyfreya@svce.ac.in>

Hi Ruby Freya
Glad to hear from you about the program.
I am currently more active in the field of building energy efficiency. I have not taken up new architectural acoustics related projects in the last couple of years. It will be better for me at this stage to speak on building energy efficiency, thermal performance or thermal comfort.
Let me know if this helps.
Regards

Rajasekar Elangovan PhD
Assistant Professor
Department of Architecture and Planning
Indian Institute of Technology Roorkee
Roorkee, PIN 247667, Uttarakhand, India
Ph: +91 1322284838; Alternate email: erajas@gmail.com
www.netzedlab.com

[Quoted text hidden]

SVCE

RUBY FREYA CVE <rubyfreya@svce.ac.in>

Request for delivering lecture in a webinar for civil engineering students

RUBY FREYA CVE <rubyfreya@svce.ac.in> 30 August 2021 at 14:33
To: Rajasekar Elangovan <raj@ar.iitr.ac.in>

Dear Sir,

Thank you very much for expressing your interest towards delivering a lecture. I think lecture on building energy efficiency or thermal performance of buildings also. Students have gone through a value added course on green building concepts in the previous semester.

I would like to inform you that the lecture can be 1 hour or 1.5 hours maximum.
I would like to have a few details from your end once you finalise.
1. date and time for the webinar. Kindly give a few options in September and October. We can finalise after checking our academic schedule also. Saturdays any time and weekdays preferably after 6 pm is fine with us.
2. title for the talk
3. your photograph and a brief profile about yourself
4. Our college students' strength attending the event will be at least 50. Can I invite students, faculty and industry persons from other than our college?

Thank you once again.

Thanks and Regards
Ruby Freya
9940481279

[Quoted text hidden]

SVCE

Arun Gunasekaran CVE <garun@svce.ac.in>

Resource person for webinar Reg

Arun Gunasekaran CVE <garun@svce.ac.in> Thu, Sep 9, 2021 at 12:56 PM
To: Vivek Venugopal <vivek.venugopal@cii.in>

Sir,
Can you please suggest a person for delivering lecture on ‘Energy efficiency in buildings’ on 9th October.
With Thanks,
G. Arun

SVCE

Arun Gunasekaran CVE <garun@svce.ac.in>

Resource person for webinar Reg

Vivek Venugopal <vivek.venugopal@cii.in> Wed, Oct 6, 2021 at 9:03 AM
To: Arun Gunasekaran CVE <garun@svce.ac.in>

Dear Sir,

Good morning !!

Pleased to share the speaker profile for the webinar scheduled on 9th Oct 2021.

The timing would be 10:30 AM till 11:30 AM.

Kindly make the arrangements in-line with the requirements.

I was not well and hence the delay, inconvenience caused is regretted.

Regards,

Vivek

[Quoted text hidden]

2 attachments

GRV-Linkedin.jpg
1006K

Speaker Profile - GRV EEPL.docx
14K

SVCE

RUBY FREYA CVE <rubyfreya@svce.ac.in>

Lecture on topic 'BAS and Energy Optimization Opportunities in Buildings'

Mayur Vishwanath Dangare <MAYUR.DANGARE@jci.com> 6 October 2021 at 17:24
To: "rubyfreya@svce.ac.in" <rubyfreya@svce.ac.in>
Cc: Tushar Jadhav <Tushar.Jadhav@jci.com>

Hello Ms. Ruby,

Greetings!

It was nice speaking to you yesterday on call.

As discussed , please find attached the document containing my brief career profile, designation and photograph.

Also, I will be delivering the lecture on topic ' Building Automation System and Energy Optimization Opportunities in Buildings' on 9th October from 2 to 3 pm.

Hope this helps.

Thanks & Regards

Mayur Dangare

CEM,CEA,WELL AP

Sr. Delivery Manager II – PI

GCoE Sales and Engineering Support

India

Johnson Controls

0091-98-5075-7742 cell

Mayur.Dangare@jci.com

www.johnsoncontrols.com

Twitter: @JohnsonControls

LinkedIn: Johnson-Controls

The power behind **your mission**

Johnson Controls (I) Pvt Ltd

Building No. 2 - 3rd Floor,

Cerebrum IT Park, Marigold Complex,

Kalyani Nagar, Pune - 411006

Maharashtra, India

Mayur Dangare.docx
33K

SVCE

RUBY FREYA CVE <rubyfreya@svce.ac.in>

Lecture on topic 'BAS and Energy Optimization Opportunities in Buildings'

RUBY FREYA CVE <rubyfreya@svce.ac.in> 8 October 2021 at 13:32
To: Mayur Vishwanath Dangare <MAYUR.DANGARE@jci.com>
Cc: Sarang Bhosale <sarang.bhosale@jci.com>, Tushar Jadhav <Tushar.Jadhav@jci.com>

Dear Sir,

Thank you once again sir for accepting to deliver the lecture. Please find the attached brochure for the same.

The webinar will be online through google meet. meet.google.com/uyb-nqvs-tdf is the meeting id. We may connect 10 minutes before the session to have a trial if possible.

Thanks and Regards
Ruby Freya

[Quoted text hidden]

Webinar Brochure.pdf
318K

SVCE

Arun Gunasekaran CVE <garun@svce.ac.in>

Webinar details - 9th October , SVCE

Arun Gunasekaran CVE <garun@svce.ac.in> Fri, Oct 8, 2021 at 2:11 PM
To: girish@earthonomic.com
Cc: Vivek Venugopal <vivek.venugopal@cii.in>

Dear Sir,

On behalf of the department of Civil Engineering, Sri Venkateswara College of Engineering, I thank you very much for accepting to deliver a lecture on 9th October for our department students.

Please find the attached brochure for the same.
Session will be online through google meet. The meeting is is
https://meet.google.com/znh-wmde-uds

We shall have a trial 10 minutes before the session of possible.

Thanks and Regards
G. Arun

Webinar Brochure.pdf
318K

BROCHURE

SRI VENKATESWARA COLLEGE OF ENGINEERING

An Autonomous Institution – Affiliated to Anna University Pennalur, Sriperumbudur Tk. – 602117, Tamil Nadu

Department of Civil Engineering

Cordially invites you for a

Seminar on

"Energy Conservation and Automation in buildings"

9th October 2021, Saturday

Energy Demand Reduction in Residences: Challenges in the Indian Context

10:00 am

Dr. Rajasekar Elangovan
Associate Professor
Department of Architecture and Planning, Indian Institute of Technology Roorkee

Energy Efficiency in Buildings

12:00 pm

Mr. Girish R Visvanathan
Director – Tech.
Earthonomic Engineers Pvt Ltd
Chennai

Building Automation System and Energy Optimization Opportunities in Buildings

2:00 pm

Mr. Mayur Dangare
Delivery Manager, Johnson Controls India Pvt. Ltd.
Pune, Maharashtra

Register @ https://forms.gle/StAtykUH1ekGokANA

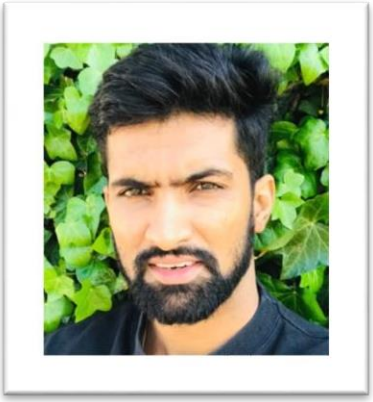
Coordinators
Ms. Ruby Freya, AP/Civil Engg.
Mr. G. Arun, AP/Civil Engg.

Convenor
Dr. R. Kumutha, HoD/Civil Engg.

Profile of the speaker Session - 1

Dr. E. Rajasekar is an associate professor at IIT Roorkee in the department of Architecture and Planning and joint faculty at the Centre for Transportation Systems. He is an Architect specialized in functional efficiency of built environments and building physics. He holds an M.S. by research and PhD degree from Building Technology and Construction Management Division, Department of Civil Engineering, IIT Madras. Prior to joining IIT Roorkee, he has worked at the Center for Excellence and Futuristic Developments, Buildings and Factories (IC), L&T Construction as a research and development engineer for five years. His research is focused on methods and materials to achieve climate sensitive, environmentally responsive and digitally knit built environments. He is currently researching in the areas of Thermal comfort and energy efficiency in built environments, Building information modelling and energy information systems. He has received over 1 million USD grants for research in this field from various national and international agencies and industries. He has been awarded IUSSTF BHAVAN Post-Doctoral Fellowship and Shastri Indo-Canadian Doctoral Fellowship. He has authored over 50 publications in leading international journals and peer-reviewed international conferences. He has been associated with the green and energy efficiency rating of several commercial buildings across India. He has provided acoustical design and noise control solutions for various project

Profile of the speaker Session – 2



Mr. Girish is a seasoned sustainability professional and specializes in the field of energy analytics including - energy simulation, energy efficiency strategy formulation, ventilation designs, automation, and retrofits. He was bestowed the IGBC fellowship award in 2020. He works closely with various Green Building councils and is a sought-after lecturer across popular universities in India, Middle East, and Australasia. To his credit, he has facilitated several national award-winning projects with the Digital Twin approach:

The First Platinum Rated Green Factory in India – which is the highest rated Green Factory in the country.

He has also commissioned the first ever green building in the Northeast India - a full-fledged Gold rated Green hospital for the under privileged that also attracted appreciations from Bill Gates himself.

He was a part of the first ever green retrofit of a Central Government Building in India - also one of the highest rated retrofitted green building in the whole of India.

He continues to support and bridge the industry-academia gap via R&D initiatives, mentoring programs and projects focusing on advancement of green building technology.

Profile of the speaker Session – 3

Mr. Mayur Dangare Delivery Manager with 14+ years of experience in energy management, energy audits, energy benchmarking, measurement and verification, energy performance contracting, energy modeling for both industrial and commercial sector.

• Certified energy manager and auditor from Bureau of Energy Efficiency, India.

• WELL AP certified professional from Green Business Certification Inc.

• A bachelor in Mechanical Engineering from Pune University and a Post Graduate in Energy Management from Devi Ahilya Vishwavidyalaya, Indore.

Brief Report of the Seminar

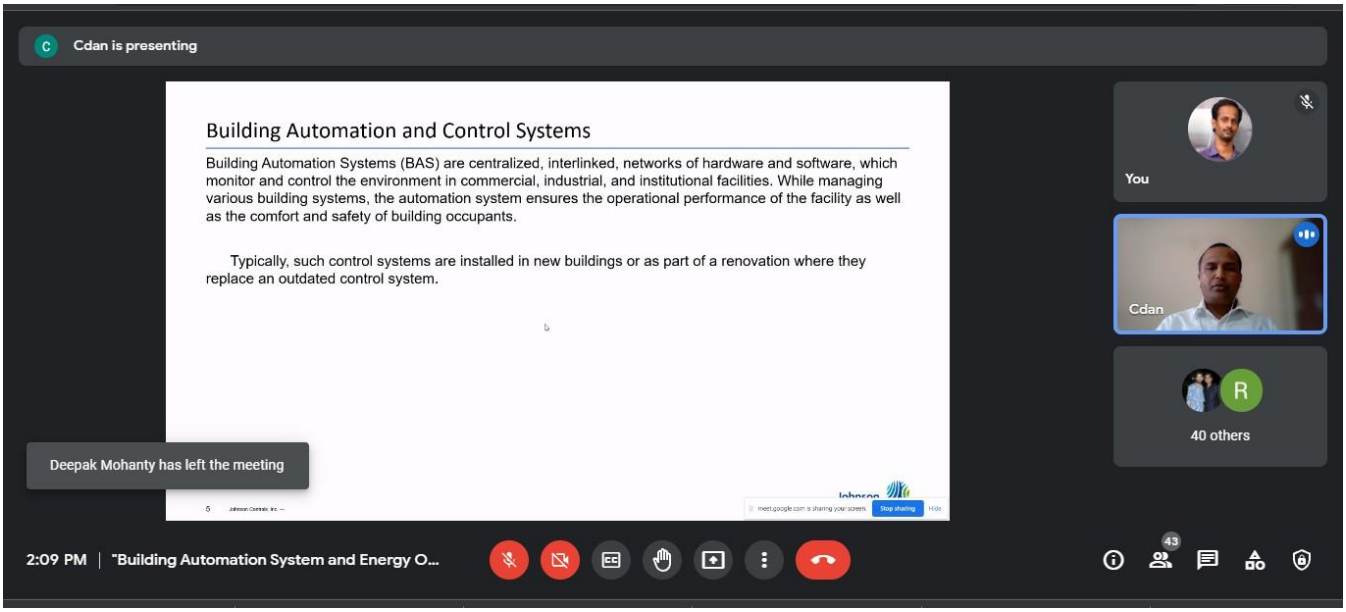
Mrs. Ruby Freya welcomed the speaker and participants to the seminar on 'Energy conservation and automation in building' and she gave a brief introduction about the speaker of the first session Dr.Rajasekar.He delivered the lecture on the topic 'Energy demand reduction in residences: challenges in Indian context'. He begins his lecture emphasis the increasing energy demand in the residential building and also the challenge specific to Indian context. The different climatic zones in India were discussed and the star rating against energy consumption in each area was also explained. Dr. Rajasekar shared his recent field study in Ahmedabad under taken by IIT Roorkee. The dynamics of energy demand in the residential building is studied pan India. He then discussed in detail about the energy demand for cooling energy, Lighting energy and other plug loads. The different paraments considered for the study was also explained. Then the energy demand was discussed with respect to climate responsive design, adaptive comfort criteria and Probabilistic behaviour.

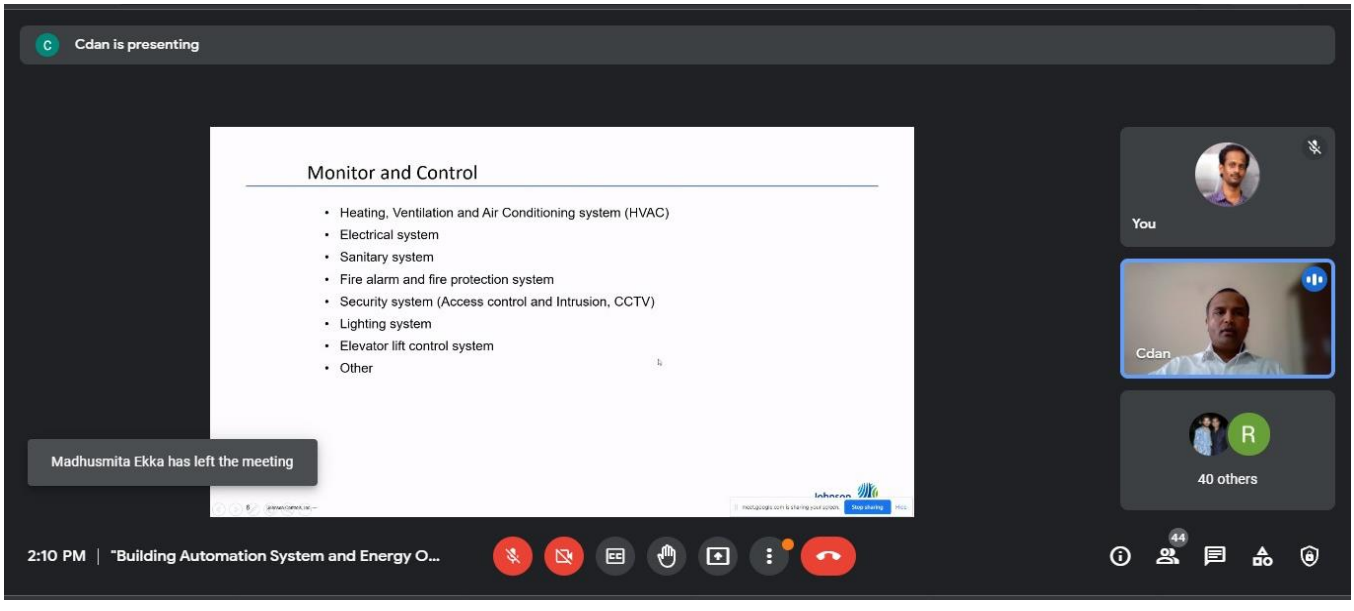
Mr. Girish the second speaker of the seminar has delivered a lecture on the topic 'Energy efficiency in buildings' he begins the lecture by discussing how the sustainability and profitability can go hand in hand, and also he has discussed about the benefits of green building. He then explained about the sustainability goals and the direction in which the corporate companies are moving towards achieving sustainability goals. The triple bottom line analysis for the test for sustainable solution was discussed and then achieving energy efficiency in existing building vs new building was explained energy efficiency. Building simulation is the process of using a computer to build a virtual replica of a building. Simulation can be done for solar shading analysis and Material analysis. The case study of GNRC institute of medical sciences building was discussed. The retrofitting of existing building can be done to reduce the energy demand of the building with help of state of art technologies and gadgets.

The speaker for the third session Mr. Mayur Dangaredelivered the lecture on the topic 'Building automation system and energy optimization opportunities in building'. He started the seminar by giving a brief introduction about Building Automation System (BAS) and also explained the activities that can be controlled and monitored using BAS. He then listed about the advantages of the BAS.Then he discussed about the key sub-systems for powerful integration and also about Non-traditional BMS integration.
The BAS components tier 1 to tier 4 was discussed and their different level of control for each tier. He continued is his lecture explaining the system architecture and various components of the architecture. The different user interfaces available for the interaction with the system and their benefits were explained.

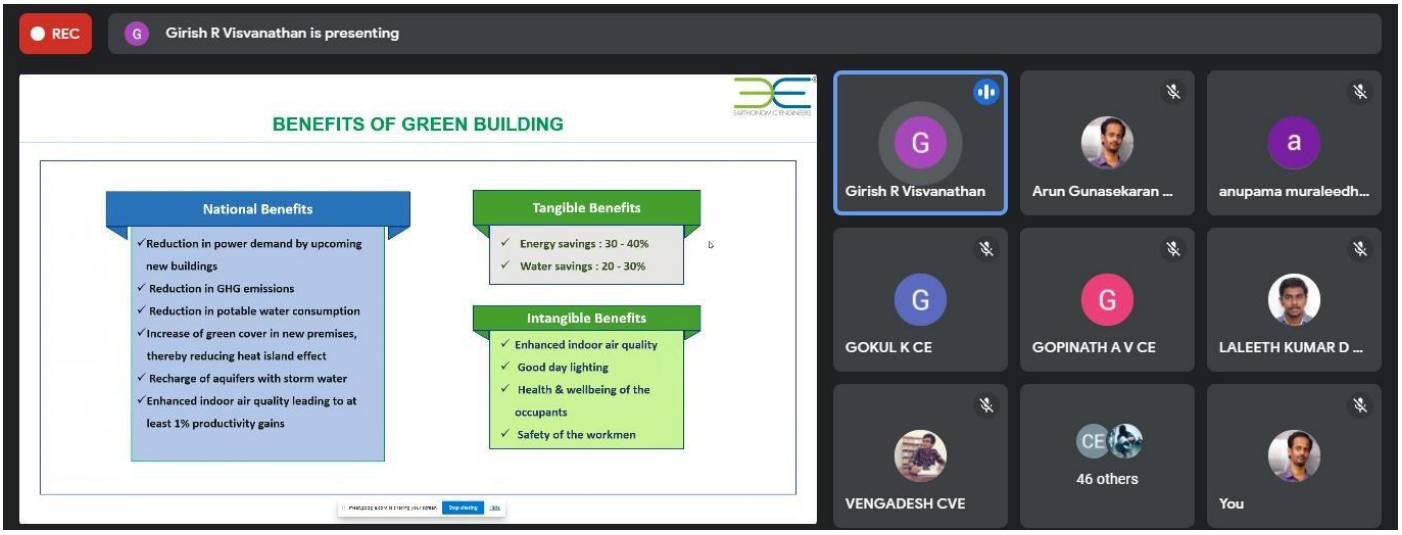
SNAPSHOTS DURING THE SEMINAR

Session 1

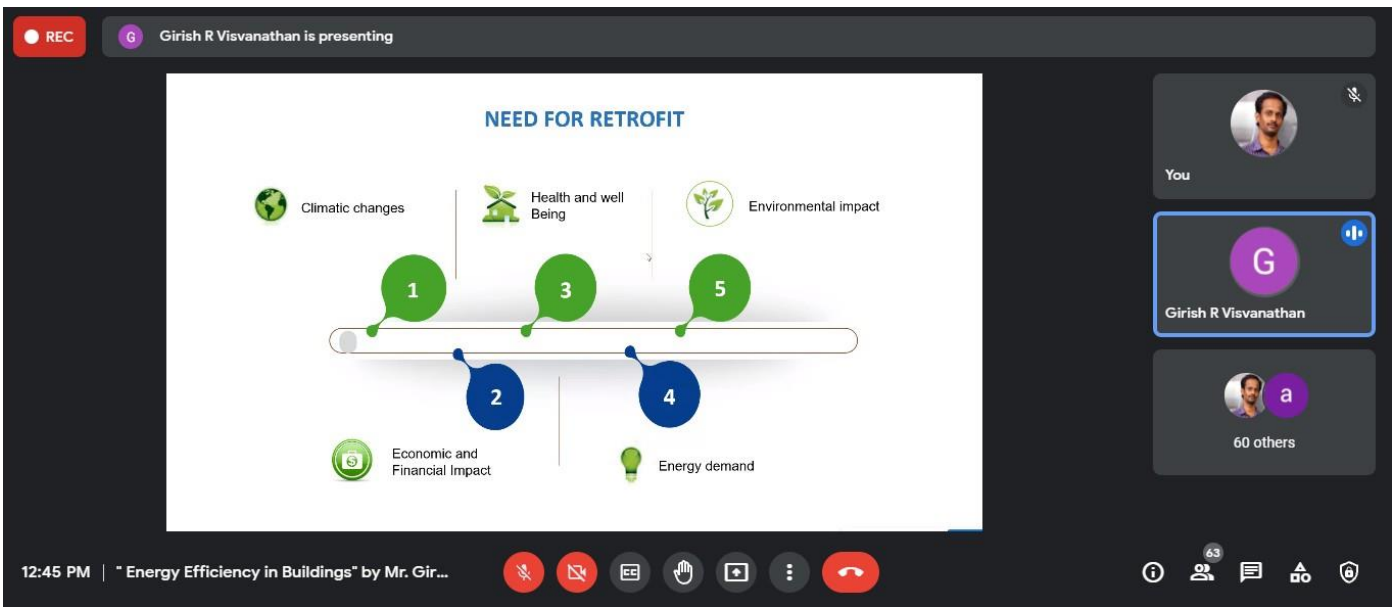




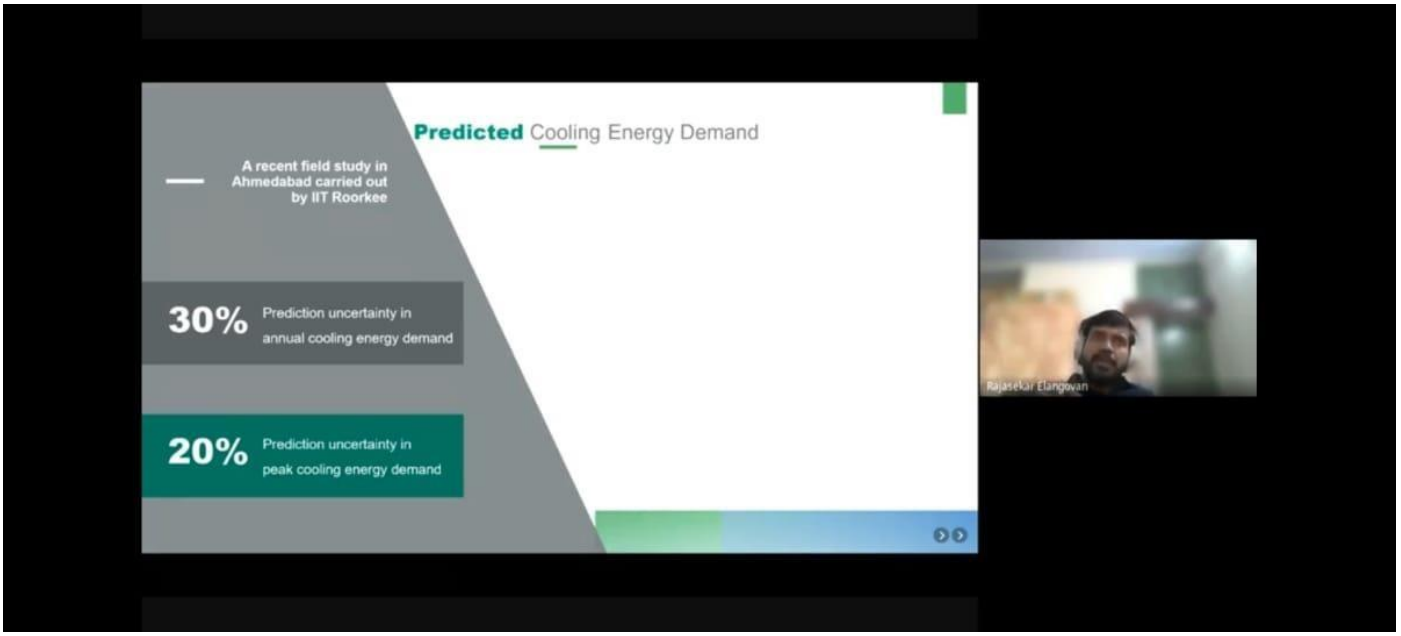
Session 2

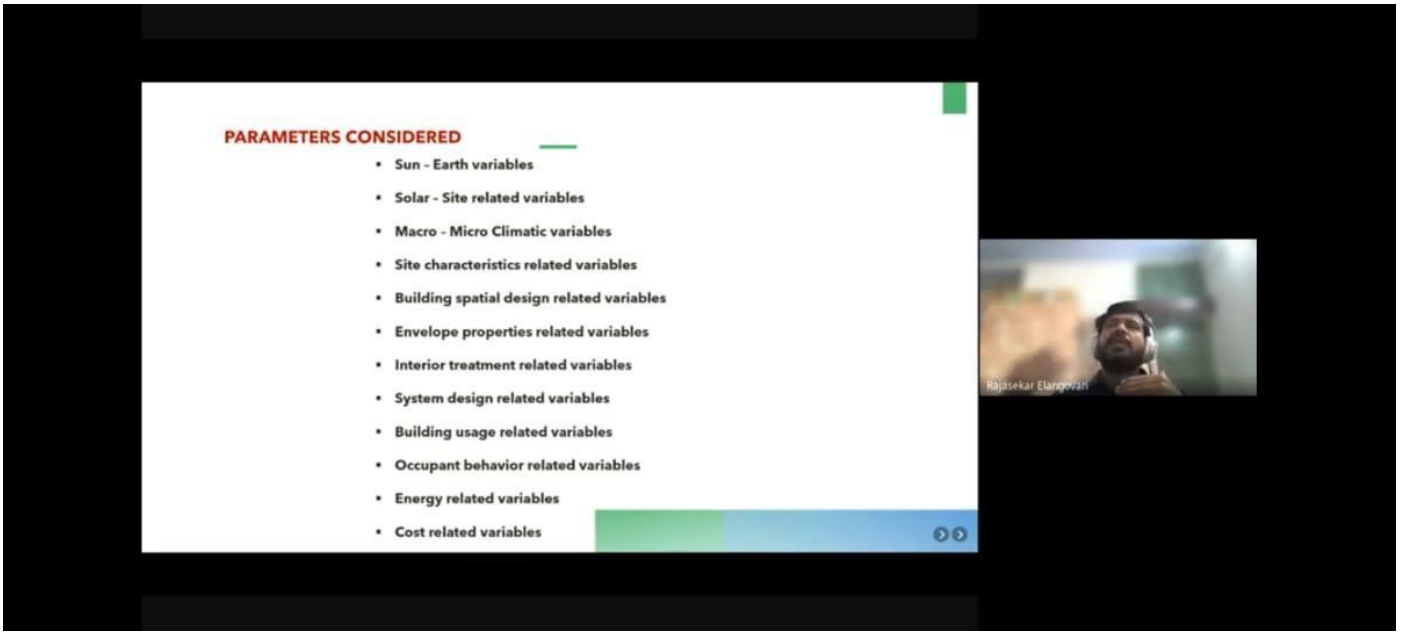

REC
Girish R Visvanathan is presenting
BENEFITS OF GREEN BUILDING
National Benefits
✓Reduction in power demand by upcoming new buildings
✓ Reduction in GHG emissions
✓ Reduction in potable water consumption
✓Increase of green cover in new premises, thereby reducing heat island effect
✓ Recharge of aquifers with storm water
✓Enhanced indoor air quality leading to at least 1% productivity gains
Tangible Benefits
✓ Energy savings : 30 - 40%
✓ Water savings : 20 - 30%
Intangible Benefits
✓ Enhanced indoor air quality
✓ Good day lighting
✓ Health & wellbeing of the occupants
✓ Safety of the workmen
Girish R Visvanathan
Arun Gunasekaran ...
anupama muraleedh...
GOKUL K CE
GOPINATH A V CE
LALEETH KUMAR D ...
VENGADESH CVE
46 others
You

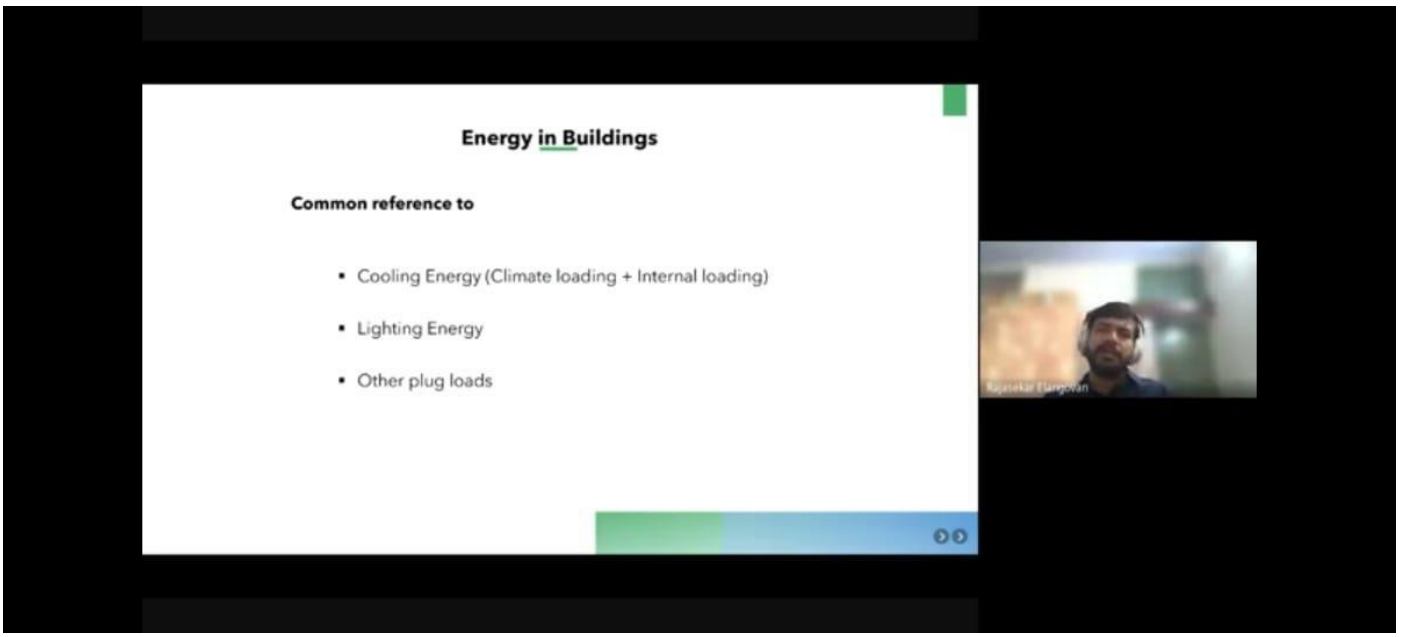

REC
Girish R Visvanathan is presenting
Customize and control Google Chrome
GREEN BUILDING & SUSTAINABLE DEVELOPMENT GOALS
Sustainable Development Goals are collection of 17 global goals set b the United Nations to end povert protect the planet and ensur prosperity for all by 2030
Certified Green Buildings work relate to these global targets to meet th SDG
(3, 7, 8, 9, 11, 12, 13, 15, 17)
SUSTAINABLE DEVELOPMENT GOALS
✓ Many companies today are incorporating sustainability practices to boost brand value and as a part of their revenue strategy. In line with this, sustainability benchmarking and reporting are being actively pursued.
✓ Stronger sustainability scores have also resulted in greater income.
You
12:12 PM | " Energy Efficiency in Buildings" by Mr. Giri...


REC
Girish R Visvanathan is presenting
NEED FOR RETROFIT
Climatic changes
Health and well Being
Environmental impact
Economic and Financial Impact
Energy demand
You
Girish R Visvanathan
60 others
12:45 PM | " Energy Efficiency in Buildings" by Mr. Gir...

Session 3


Predicted Cooling Energy Demand
A recent field study in Ahmedabad carried out by IIT Roorkee
30% Prediction uncertainty in annual cooling energy demand
20% Prediction uncertainty in peak cooling energy demand
Rajasekar Elangovan


PARAMETERS CONSIDERED
Sun - Earth variables
Solar - Site related variables
Macro - Micro Climatic variables
Site characteristics related variables
Building spatial design related variables
Envelope properties related variables
Interior treatment related variables
System design related variables
Building usage related variables
Occupant behavior related variables
Energy related variables
Cost related variables
Rajasekar Elangovan


Energy in Buildings
Common reference to
Cooling Energy (Climate loading + Internal loading)
Lighting Energy
Other plug loads
Rajasekar Elangovan

List of participants

S.No.	Name	Name of the Institution/Organisation	Category
1	Tushar Gahane	Miet Gondia	Student
2	S.Priyadharshani	Sri Venkateswara College Of Engineering	Student
3	S.Gowtham	Sri Venkateswara College Of Engineering	Student
4	D Praveen Kumar	Sri Venkateswara College Of Engineering	Student
5	G.Harshavarthani	Sri Venkateswara College Of Engineering	Student
6	R. Pon Pradeep	Sri Venkateshwara College Of Engineering	Student
7	Hemalatha R	Sri Venkateswara College Of Engineering	Student
8	Gogula Chezhiyan.N	Sri Venkateswara College Of Engineering	Student
9	M.Jenani	Sri Venkateswara College Of Engineering	Student
10	Anandarajan.P.V	Sri Venkateswara College Of Engineering	Student
11	Ajay Kumar	Galaxy Global Group Of Institutions	Student
12	Aurudra Adiseshaiah Krishna	Sri Venkateswara Collage Of Engineering	Student
13	Kavinselva P	Sri Venkateswara College Of Engineering	Student
14	Abishek	Srivenkateswara Clg Of Engineering	Student
15	Keerthi Vaasan R	Sri Venkateswara College Of Engineering	Student
16	Naveen S	Sri Venkateswara College Of Engineering	Student
17	K N Mohammad Salmaan Shariff	Sri Venkateswara College Of Engineering	Student
18	Balamurugan. Sp	Sri Venkateswara College Of Engineering	Student
19	Anupama M	Sambhram Institute Of Technology	Student
20	Divya Khandelwal	Marathwada Institute Of Technology Aurangabad Maharashtra	Student
21	V.Hariharan	Sri Venkateswara College Of Engineering	Student
22	Kiran Kumar Pon	Sri Venkateswara College Of Engineering	Student
23	D.Sugandhan	Svce	Student
24	Syed Afrideen.M	Sri Venkateswara College Of Engineering	Student
25	Sriram.L	Sri Venkateswara College Of Engineering	Student
26	T Lalith Kumar	Sri Venkateswara College Of Engineering	Student
27	Charan N	Svce	Student
28	Sarvesh K	Sri Venkateswara College Of Engineering	Student
29	Mohan Krishna P R	Sri Venkataswara College Of Engineering	Student
30	A.Vignesh	Sri Venkateswara College Of Engineering	Student
31	Murali Manogar Joshi S	Sri Venkateswara College Of Engineering	Student

32	Ranjana Piriyadharshini	Sri Venkateswara College Of Engineering	Student
33	Laleeth Kumar D	Sri Venkateswara College Of Engineering	Student
34	G.Saravanapandi	Sri Venkateshwara College Of Engineering	Student
35	Bharanidharan. B	Sri Venkateswara College Of Engineering	Student
36	Kavinmalar K	Sri Venkateswara College Of Engineering	Student
37	Arpit Tamrakar	Ujjain Engineering College Ujjain	Student
38	Aslam Nizam Nadaf	Dypiet Pune	Student
39	Gokul K	Sri Venkateswara College Of Engineering	Student
40	Vengadesh V	Sri Venkateswara College Of Engineering	Student
41	Guru Prakash K	Sri Venkateswara College Of Engineering	Student
42	V.Rohit	Sri Venkateswara College Of Engineering	Student
43	Ramanan.B.B	Sri Venkateswara College Of Engineering	Student
44	Padmanaban N	Sri Venkateswara College Of Engineering	Student
45	Sriram Chandran	Sri Venkateswara College Of Engineering	Student
46	G Pranav Karthik	Sri Venkateswara College Of Engineering	Student
47	Ritambhara Kumari Upadhyay	Panjab University, Chandigarh	Research Scholar
48	Kallol Samanta	Adamas University	Industry Personnel
49	Mathiyazhagan R	Sri Venkateswara College Of Engineering	Faculty
50	Babu N	Pollachi Institute Of Engineering And Technology	Faculty
51	A.Vijay Vignesh	Sri Venkateswara College Of Engineering	Faculty
52	M.Helen Santhi	Vellore Institute Of Technology, Chennai	Faculty
53	Hariswaran S	Sri Venkateswara College Of Engineering	Faculty

PARTICIPANTS FEEDBACK FORM

Sri Venkateswara College of Engineering Department of Civil Engineering

Feedback Form – Seminar on "Energy Conservation and Automation in Buildings"
Date : 9th October 2021,
Session 2 @ 12pm
Energy Efficiency in Buildings by Mr. Girish R Visvanathan, Director – Tech., Earthonomic Engineers Pvt Ltd, Chennai.

* Required

1. Name of the Participant (as required in Participation Certificate) *

2. Name of the Institution/Industry/Organisation *

3. State *

4. Email *

5. Category *

Mark only one oval.

- Student
- Research Scholar
- Faculty
- Industry Personnel
- Other: _____

6. Year (for student category)

Mark only one oval.

- IV Year
- III Year
- II Year
- I Year
- Post graduate

7. Designation (Faculty / Industry Personnel)

_____

8. Mobile number (Whatsapp) *

_____

9. Please rate your satisfaction with the organisation/content of the webinar by indicating your level of agreement or disagreement with each of the following statements. *

Mark only one oval per row.

	Strongly agree	Agree	Neutral	Disagree
The session delivered the information I expected to receive.				
The subject matter was presented effectively.				
The pace and duration of the webinar was satisfactory.				
The resource person is knowledgeable.				
The resource person presented the information in a clear and logical manner				
Sufficient time was given for interaction				
The webinar was well organized				
As a result of this webinar, I gained new knowledge				

10. Are you interested in attending such programs organised in future by the Department of Civil Engineering of SVCE *

Mark only one oval.

- Yes
- No

Sri Venkateswara College of Engineering Department of Civil Engineering

53 responses

Publish analytics

Name of the Participant (as required in Participation Certificate)

53 responses

Mathiyazhagan R

TUSHAR GAHANE

BABU N

S.Priyadharshani

S.GOWTHAM

A.VIJAY VIGNESH

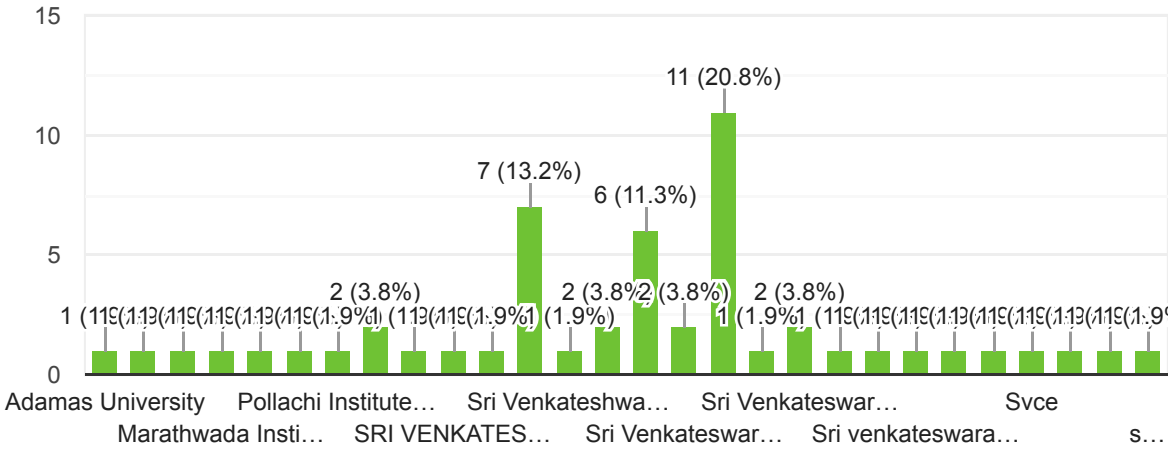
D praveen kumar

G.Harshavarthani

R. PON PRADEEP

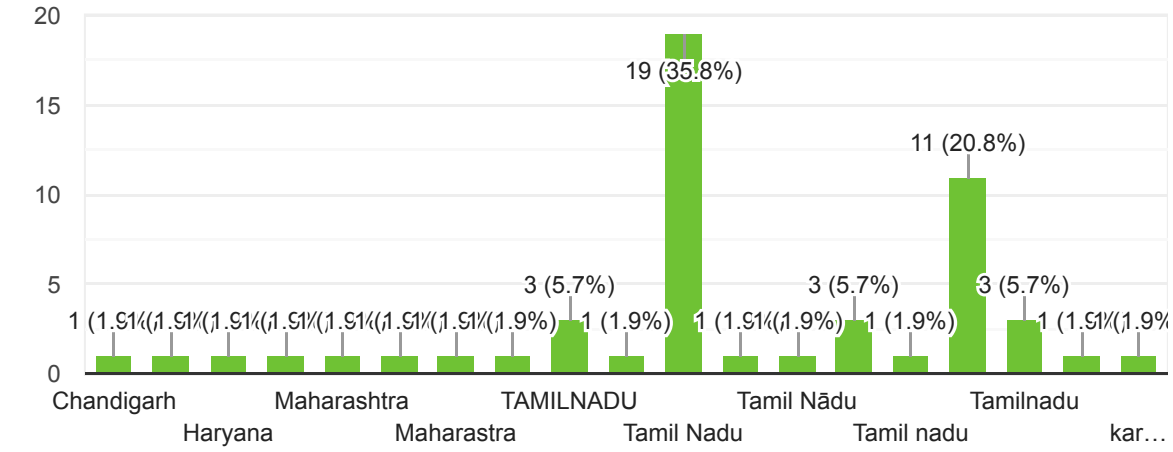
Name of the Institution/Industry/Organisation

53 responses



State

53 responses



Email

53 responses

mathiyazhagan@svce.ac.in

tushar.gahane@gmail.com

babumail1812@gmail.com

sivarajanpriya700@gmail.com

gowthamsoundaran24@gmail.com

avijayvignesh@svce.ac.in

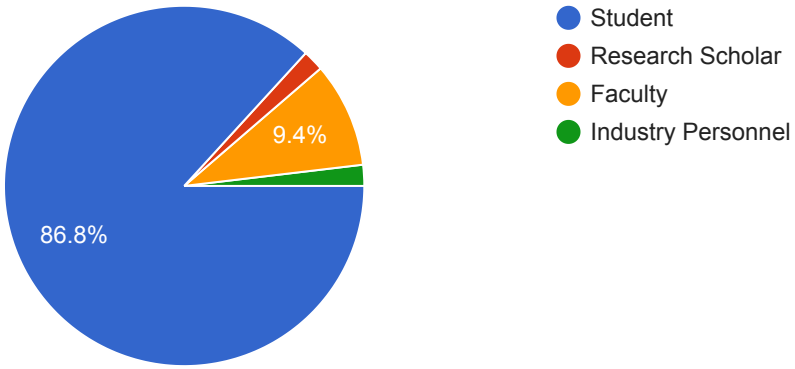
2020ce0033@svce.as.in

lavanya17082001@gmail.com

ponpradeeep@gmail.com

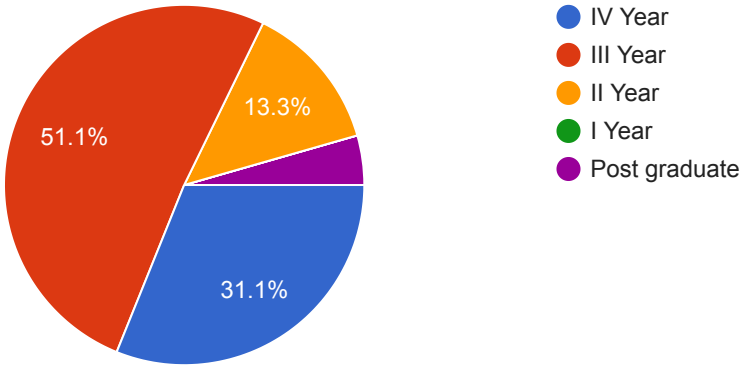
Category

53 responses



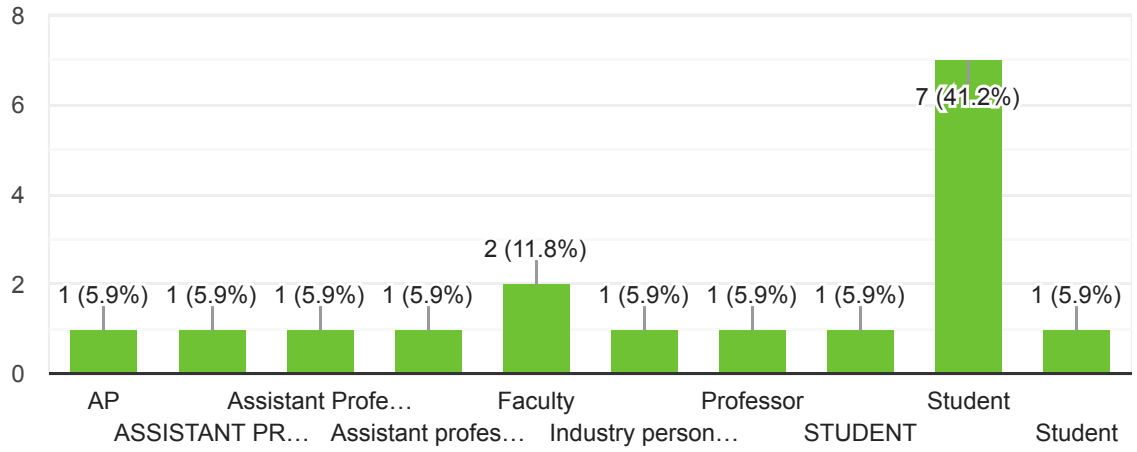
Year (for student category)

45 responses



Designation (Faculty / Industry Personnel)

17 responses



Mobile number (Whatsapp)

53 responses

9677015014

9822454919

8870161233

6383051476

9361763869

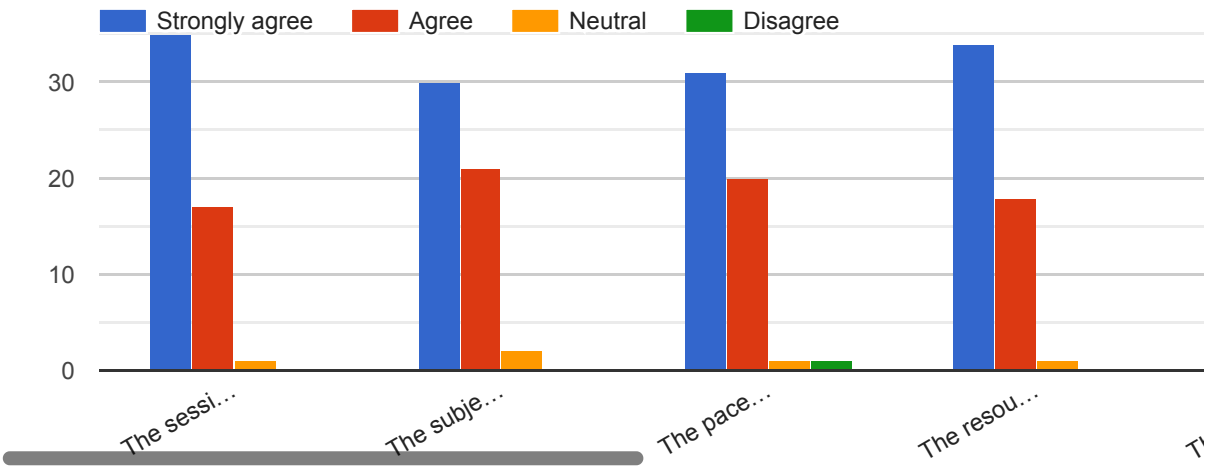
8754192418

9384676107

9087930113

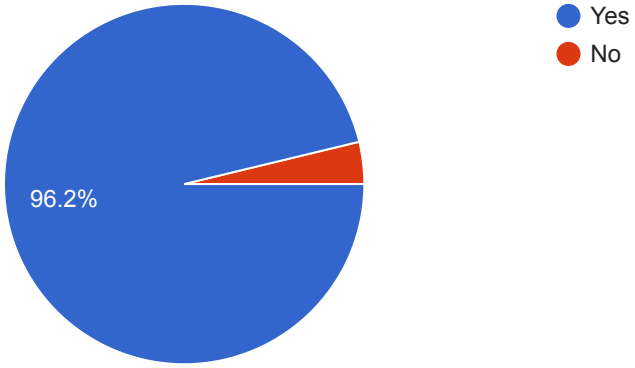
9940980727

Please rate your satisfaction with the organisation/content of the webinar by indicating your level of agreement or disagreement with each of the following statements.



Are you interested in attending such programs organised in future by the Department of Civil Engineering of SVCE

53 responses



Additional Comments/Feedback

53 responses

Nil

Good

No comments

Nothing

No

nil

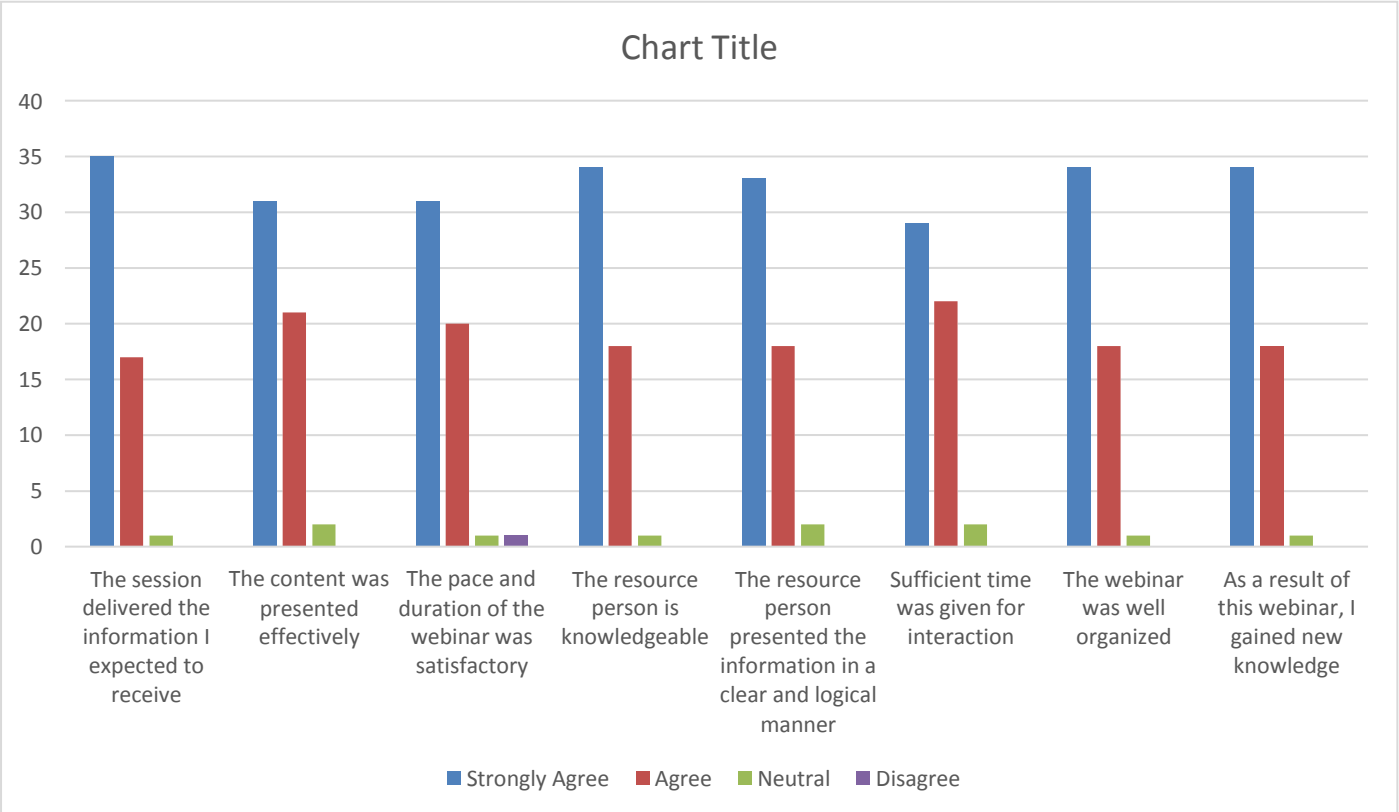
Thank you

Very informative

Informative

SUMMARY OF FEEDBACK

Total Number of respondents: 53				
Feedback	**Strongly Agree**	**Agree**	**Neutral**	**Disagree**
The session delivered the information I expected to receive	35	17	1	-
The content was presented effectively	31	21	2	-
The pace and duration of the webinar was satisfactory	31	20	1	1
The resource person is knowledgeable	34	18	1	-
The resource person presented the information in a clear and logical manner	33	18	2	-
Sufficient time was given for interaction	29	22	2	-
The webinar was well organized	34	18	1	-
As a result of this webinar, I gained new knowledge	34	18	1	-



Additional comments/feedback from participants:

- Very good session.
- It's a wonderful and very informative session.
- Improvised my knowledge with sustainable construction practices.

SPEAKER FEEDBACK

Sri Venkateswara College of Engineering Department of Civil Engineering

FEEDBACK – Seminar on "Energy Conservation and Automation in Buildings" on 9th October 2021, Session 2 @ 12 pm - Energy Efficiency in Buildings

Thank you for your lecture. Please fill this feedback form.

Name *

Girish R Visvanathan

Email *

girish@earthonomic.com

Designation *

Director

Official Address *

Adyar Chennai

Mobile Number (whatsapp) *

9941226780

Please rate your satisfaction with the organisation of the guest lecture by indicating your level of agreement or disagreement with each of the following statements.

How satisfied were you with the event? *

	Strongly agree	Agree	Neutral	Disagree
Were the participants interactive?	○	◉	○	○
Is the mode (platform) for lecture was comfortable to use?	○	◉	○	○
The guest lecture was well organized	◉	○	○	○

Are you interested in interacting with our institution in future ? *

- ◉ Yes
- ○ No

Additional comments / feedback *

Good initiative

SPEAKER FEEDBACK

Sri Venkateswara College of Engineering Department of Civil Engineering

FEEDBACK – Seminar on "Energy Conservation and Automation in Buildings" on 9th October 2021, Session 3 @ 2 pm - Building Automation System and Energy Optimization Opportunities in Buildings

Thank you for your lecture. Please fill this feedback form.

Name *

Mayur Dangare

Email *

Mayur.Dangare@jci.com

Designation *

Delivery Manager

Official Address *

Johnson Controls (I) Pvt Ltd , Building No. 2 - 3rd Floor, Cerebrum IT Park, Marigold Complex, Kalyani Nagar, Pune - 411006 ,Maharashtra, India

Mobile Number (whatsapp) *

9850757742

Please rate your satisfaction with the organisation of the guest lecture by indicating your level of agreement or disagreement with each of the following statements.

How satisfied were you with the event? *

	Strongly agree	Agree	Neutral	Disagree
Were the participants interactive?	○	◉	○	○
Is the mode (platform) for lecture was comfortable to use?	◉	○	○	○
The guest lecture was well organized	◉	○	○	○

Are you interested in interacting with our institution in future ? *

- ◉ Yes
- ○ No

Additional comments / feedback *

Overall Good Session

SAMPLE CERTIFICATE

36 Years of Excellence

SVCE | Sri Venkateswara College of Engineering

Autonomous - Affiliated to Anna University
Pennalur, Sriperumbudur, Tamil Nadu | www.svce.ac.in

Department of Civil Engineering

IGBC

INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

Certificate of Participation

This is to certify that

KAVINSELVA P

has participated in the **Seminar on Energy Conservation and Automation in Buildings - Session 1 on "Energy Demand Reduction in Residences: Challenges in the Indian Context"** delivered by **Dr. Rajasekar Elangovan**, Associate Professor, Department of Architecture and Planning, Indian Institute of Technology Roorkee on **9th October 2021**.

Ms. Ruby Freya
AP / Civil Engineering
Coordinator

Mr. G. Arun
AP / Civil Engineering
Coordinator

Dr. R. Kumutha
Professor & Head / Civil Engineering
Convenor

Prepared by

1. **Ms.Ruby Freya (AP/CVE)**
2. **G. Arun (AP/CVE)**

Coordinators

ASSISTANT PROFESSOR
Department of Civil Engineering
Sri Venkateswara College of Engineering
Pennalur,Sri Perumbudur,Chennai

Approved by

Dr.R.Kumutha (HOD/CVE)

Convenor

Head of the Department
Department of Civil Engineering
Sri Venkateswara College of Engineering
Sriperumbudur -602 117. INDIA.