



MANIPAL UNIVERSITY
JAIPUR

FACULTY OF DESIGN

NAME OF SCHOOL ARCHITECTURE AND DESIGN

NAME OF DEPARTMENT

Distinguished Lecture Program on “Reducing Carbon Footprint of Buildings in Developing Economies.”

Lecture Session

3rd Sept 2021



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1. Introduction of the Event

1. Objective of the Event

To help students aspiring for a career in sustainability, by providing initial information and knowledge about sustainability in built environment, specific to developing economies.

2. Beneficiaries of the Event

Students and faculty members are the primary beneficiaries of this program.

3. Details of the Guests

About the Speaker

Mr. Chandana is a Chartered Engineer with 39 years of practical experience in the field of Heating, Ventilation, Air Conditioning, Refrigeration (HVAC &R) & Building Services Engineering. During his career, he has been engaged in installations, operations, and maintenance & designing new HVAC systems in Sri Lanka & overseas. He is also a Fellow the Institution of Engineers Sri Lanka (IESL) & Fellow of ASHRAE (USA) and a Director of Green Building Council Sri Lanka (GBCSL).

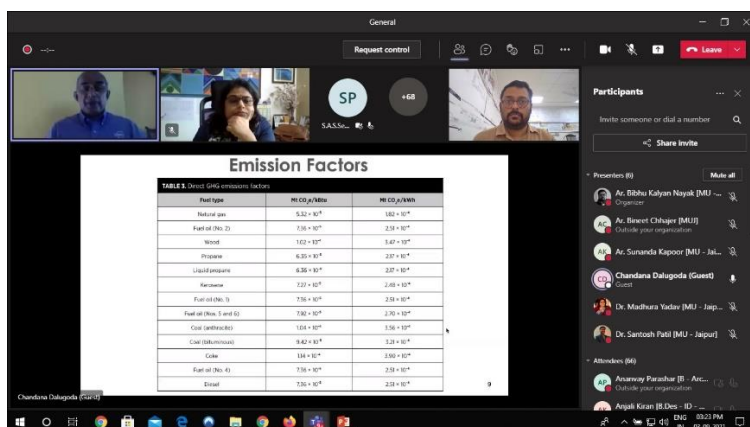
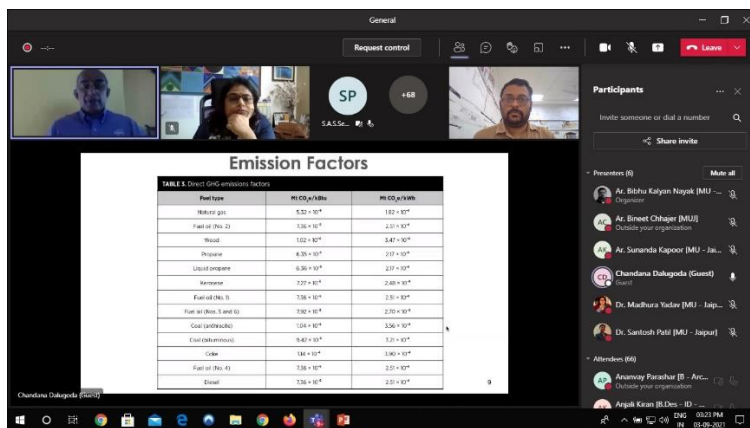
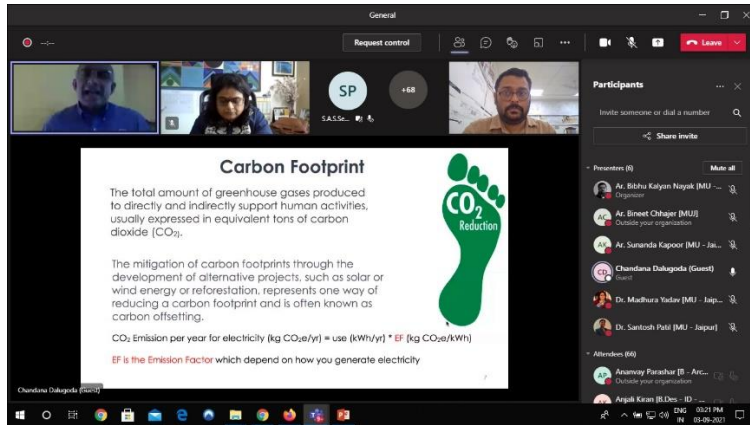
4. Brief Description of the event

Lecture Overview

Energy waste from fossil fuel usage is very high in developing economies countries. Increased heat transfer through building fabric, seldom use of energy efficient equipment, lack of building codes and regulations to reduce energy consumption are the main courses. This presentation provides and over view of how to reduce energy waste by utilising ASHRAE Standards 90.1, 189.1, 62.1, & 55 and achieve reduction in carbon foot print.

- a. Explain how building fabric U values are calculated & achieve ASHRAE Standards 90.1 targets to reduce heat transfer.
- b. Describe the method of calculating minimum ventilation load, complying with ASHRAE Standards 62.1
- c. Describe how ASHRAE Standards 90.1 used to Select minimum efficiency requirement for HVAC equipment to reduce carbon footprint of buildings.
- d. Identify energy saving control strategies in HVAC system incorporating Building Management System to reduce carbon foot print of buildings

3 to 5 photographs of the event or screenshots of the event (if online) with captions



Brochure or creative of the event (insert in the document only)

Distinguished Lecture Series



In collaboration with
School of Architecture and Design, Manipal University Jaipur



Lecture Theme:
**Reducing Carbon Footprint of
Buildings in Developing Economies**

By

Chandana Dalugoda
Consultant engineer in
heating ventilating air-conditioning & refrigeration
Distinguished Lecturer, ASHRAE USA

Lecture Overview

Energy waste from fossil fuel usage is very high in developing economies countries. Increased heat transfer through building fabric, seldom use of energy efficient equipment, lack of building codes and regulations to reduce energy consumption are the main courses. This presentation provides and over view of how to reduce energy waste by utilising ASHRAE Standards 90.1, 189.1, 62.1, & 55 and achieve reduction in carbon foot print.

Please join us for this session on **3rd Sept 2021 at 3:00 PM (IST)**

[Registration Link](#)

Schedule of the event (insert in the report)

Schedule: 3 rd Sept 2021	Time : 3:00 PM onwards	Person In-charge
Introduction to Director, SA & D	2-3 Minutes	Ar. Bibhu Kalyan Nayak
Welcome address by Director, SA & D An Over about the sustainable practices in MUJ and introduction to the speaker.	5 minutes	Prof. (Dr) Madhura Yadav
Lecture by Mr. Chandana Dalugoda on "Reducing Carbon Footprint of Buildings in Developing Economies"	30-40 minutes	Mr. Chandana Dalugoda
Q&A Session	10 minutes	Open floor
Vote of Thanks	5 minutes	Dr. Santosh Patil



5. Attendance of the Event

Total attendee-122

1. Ar. Bibhu Kalyan Nayak [MU - Jaipur]
2. DILANKA (Guest)
3. S.A.S.Sewwandi Perera (Guest)
4. S.A.S.Sewwandi Perera (Guest)
5. D.S.H. Kankanamge (Guest)
6. Chandana Dalugoda (Guest)
7. Ar. Bineet Chhajer [MUJ]
8. Nalin Liyanage (Guest)
9. Nalin Liyanage (Guest)
10. Nalin Liyanage (Guest)
11. Sulochana Attanayake (Guest)
12. Ar. Sunanda Kapoor [MU - Jaipur]
13. Savithri Mahanama
14. Dr. Madhura Yadav [MU - Jaipur]
15. Jyoti Yadav [MUJ]
16. MONA SUPREETHI [B Arch - 2016]
17. Arunima Kiro [B-ARCH - 2019]
18. Pavani Pandey [B-ARCH - 2019]
19. Muskan Garg [B.Des(Interior Design) - 2019]
20. Pushpendra chaturvedi
21. Dr. Tej Bahadur [MUJ]
22. himanshunair1999
23. Priyam Sabla [B Arch-2017]
24. Manish Sharma [MU - Jaipur]
25. Ms. Neha Saxena [MUJ]
26. Ms. Neha Saxena [MUJ]
27. Sweta S Mohanty [B-ARCH - 2019]
28. Ishita Jain [B-ARCH - 2019]
29. Pawar Pratik Pankaj [B-ARCH - 2019]
30. IRA JULKA
31. Annie Iqbal [B.Arch - 2020]
32. Annie Iqbal [B.Arch - 2020]
33. Kirtan Nirania [B.Des - ID - 2020]
34. Rishita [B.Des - ID - 2020]
35. Ishita Bhatt [B Arch-2017]
36. Rahul Soni [B-ARCH - 2019]
37. Jagriti [B.Des - ID - 2020]
38. Yakshit Sharma [B.Des(Interior Design) - 2019]
39. Ishika Rachyutkumar Sojitra [B.Arch - 2020]



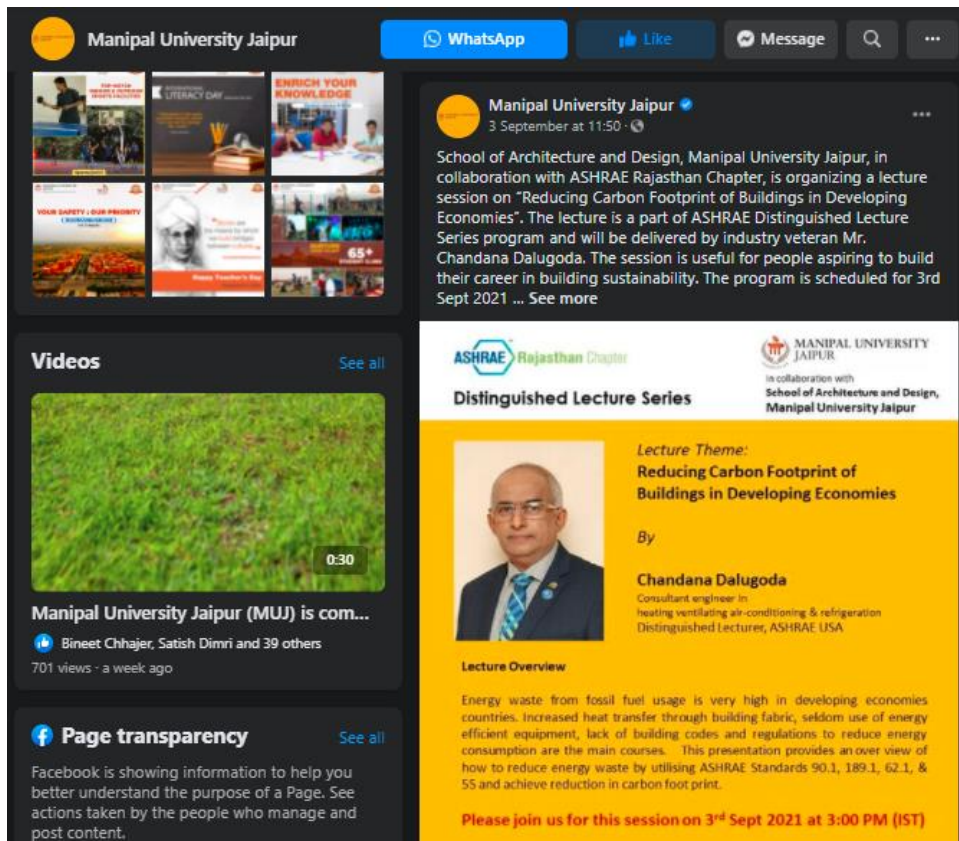
40. Himanshu Nair [B-ARCH - 2019]
41. Manya Sharma [B - Arch - 2018]
42. Gauri Pandey [B.Arch - 2020]
43. Pratishtha Sharma [B.Arch - 2019]
44. Pratishtha Sharma [B.Arch - 2019]
45. HARSH VARDHAN PATHAK [B.Arch - 2019]
46. Parth Shukla [B Arch-2017]
47. Parth Shukla [B Arch-2017]
48. Devyansh Saraswat [B.Des(Interior Design) - 2019]
49. Dinush Maduranga (Guest)
50. Dr. Santosh Patil [MU - Jaipur]
51. Harnoor Kaur [B.Des - ID - 2020]
52. Shikhar Agarwal [B Arch-2017]
53. Chhavi Kohli [B.Arch - 2020]
54. Chhavi Kohli [B.Arch - 2020]
55. Lavanya Pant [B.Arch - 2020]
56. Lavanya Pant [B.Arch - 2020]
57. Koel Jain [B Arch-2017]
58. Atishay Jain [B Arch-2017]
59. Sudhanshu Garg [B Arch-2017]
60. Sudhanshu Garg [B Arch-2017]
61. Nikhil Srivastava [CIVIL - 2018]
62. Akshaan Malhotra [B Arch-2017]
63. Ishanya Singh Mukawat [B Arch-2017]
64. Ayushi Saini [B - Arch - 2018]
65. Ananvay Parashar [B - Arch - 2018]
66. Kshitij Saraf [B - Arch - 2018]
67. Sahil [B - Arch - 2018]
68. Sahil [B - Arch - 2018]
69. Ninad Paradkar [B - Arch - 2018]
70. Ninad Paradkar [B - Arch - 2018]
71. Shivpal Godara [CCE - 2019]
72. Divij Mathur [B - Arch - 2018]
73. Devansh Gupta [B Arch-2017]
74. Japneet Kour [B Arch-2017]
75. Ishita Padha [B.Arch - 2020]
76. Vishal Kumawat [B.Arch - 2020]
77. Saihej Barara [B - Arch - 2018]
78. Shruti Ranjan [B-ARCH - 2019]
79. Ayushi Sharma
80. Kannan Rohan [B-ARCH - 2019]
81. Neha Saxena [MU - Jaipur]



82. Ishika Singhal [B-ARCH - 2019]
83. Ishaan Sood [B Arch-2017]
84. Ishaan Sood [B Arch-2017]
85. Nipuni Fonseka (Guest)
86. Tharuka Subhashini
87. Mansi [B.Arch - 2020]
88. Mansi [B.Arch - 2020]
89. Kanak Patidar [B.Des - ID - 2020]
90. M.W.S.M. Perera (Guest)
91. Aparnaa Shukla [B-ARCH - 2019]
92. Khyati Goswami [B-Des-ID - 2019]
93. Tanvi Bhatia [B Arch-2017]
94. Rashmi Yekabote [B-ARCH - 2019]
95. Dinush Maduranga (Guest)
96. gaya (Guest)
97. Dakshi Mathur [B - Arch - 2018]
98. Nikhitha Naresh Moily [B.Des - ID - 2020]
99. Nuwan Indika (Guest)
100. Arushi Sharma [B Arch-2017]
101. Hemant Kumar [MU - Jaipur]
102. Anjali Kiran [B.Des - ID - 2020]
103. Ishika Tandon [B Arch-2017]
104. Riya Hemdev [B.Des(Interior Design) - 2019]
105. Keshan
106. Muskan Jain [B.Des(Interior Design) - 2019]
107. Milind Anurag [B-ARCH - 2019]
108. Dinush Maduranga (Guest)
109. Ishanya Singh Muktawat [B Arch-2017]
110. Verma Abhas
111. Ms. Sonali Jain [MUJ]
112. Prachita Bhiwapurkar [B.Arch - 2020]
113. pushpendra (Guest)
114. Akshay Gupta [MU - Jaipur]
115. Akshita Verma [B.Des - ID - 2020]
116. Khushi Khanna [B-ARCH - 2019]
117. Bhavarth Garg [B - Arch - 2018]
118. Dhruv Jain [B.Arch - 2020]
119. Reetika Tandon [B - Arch - 2018]
120. basith
121. Mr. Siddhant Walia [MUJ]

Attendance sheet obtained from MS Teams is enclosed.

6. News Publication- News printed in newspaper or online links if any for news – insert images)



Manipal University Jaipur

WhatsApp Like Message

Manipal University Jaipur
3 September at 11:50

School of Architecture and Design, Manipal University Jaipur, in collaboration with ASHRAE Rajasthan Chapter, is organizing a lecture session on "Reducing Carbon Footprint of Buildings in Developing Economies". The lecture is a part of ASHRAE Distinguished Lecture Series program and will be delivered by industry veteran Mr. Chandana Dalugoda. The session is useful for people aspiring to build their career in building sustainability. The program is scheduled for 3rd Sept 2021 ... See more

ASHRAE Rajasthan Chapter **MANIPAL UNIVERSITY JAIPUR**
in collaboration with
**School of Architecture and Design,
Manipal University Jaipur**

Distinguished Lecture Series

Lecture Theme:
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Manipal University Jaipur (MUJ) is com...
Bineet Chhajer, Satish Dimri and 39 others
701 views · a week ago

Page transparency
Facebook is showing information to help you better understand the purpose of a Page. See actions taken by the people who manage and post content.



7. Feedback of the Event (if obtained)

NA

8. Link of MUJ website stating the event is uploaded on website

Head of Department
Prof. Sunanda Kapoor