

**SCHOOL OF INFRASTRUCTURE
DEPARTMENT OF CIVIL ENGINEERING**

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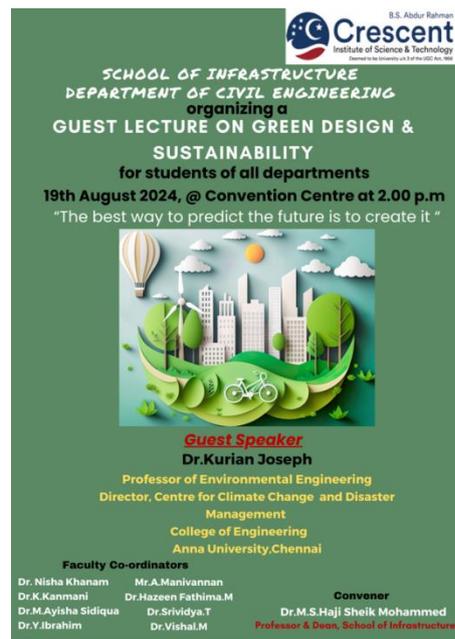
REPORT

Guest Lecture on Green Design and Sustainability

19/8/2024 @ 2.00 pm to 3.30 pm

Preamble:

A guest lecture on 19th August, 2024 on the topic “Green Design and Sustainability” was organized by Department of Civil Engineering, School of Infrastructure from 2.00 pm to 3.30 pm at Convention centre, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai for the benefit of final Year B.Tech students of School of Mechanical Sciences, School of Computer Information and Mathematical Sciences, School of Life Science, and School of Electrical and Communication Sciences.



Guest Lecture Invitation

ABOUT THE SPEAKER

Dr. Kurian Joseph is a Professor in Department of Environmental Engineering and he is also the Director, Centre for Climate Change and Disaster Management, College of Engineering, Guindy campus, Anna University, Chennai. He has more than 30 years of experience in teaching and research in various areas of Environmental Engineering. He briefed about Sustainability, Sustainable Development goals plans, and strategies to be focused on to achieve long term sustainable development.

ABOUT THE SESSION:

The session started with recitation of Qirat by Ms.Zaina Pasha of B.Tech (IV year CSE). The beloved Dean, School of Infrastructure, Dr.M.S.Haji Sheik Mohammed, felicitated the gathering. Ms.Rukshana of B.Tech (IV year CSE), gave a brief introduction about the guest speaker Dr. Kurian Joseph, Professor, Department of Environmental Engineering and Director, Centre for Climate Change and Disaster Management, College of Engineering, Guindy, Anna University, Chennai. The speaker gave a lecture on the topic “**Localising Sustainable Development**”. He also briefed about the significance of sustainability and sustainable development and the relevance based on day to day scenario.

Sustainable Development is the ‘development that meets the needs of the present without compromising the ability of future generations to meet their needs’. There are five key concepts in Sustainable development: concept of needs, idea of limitations, concern for the future, equity and fairness and systems thinking. The speaker explained these concepts and discussed the various core problems and syndromes related to global change and suggested five mindsets to be kept to achieve sustainability: Earthly mindset, Analytic mindset, Careful mindset, and Collaborative mindset and Action mindset.

The speaker also emphasized the five characteristics of sustainability such as renewability, substitution, Interdependence, Adaptability and Institutional Commitment and its importance in achieving sustainable development.



The Chief guest Dr.Kurian Joseph, Director, Centre for Climate Change and Disaster Management was honoured by Dr.M.S.Haji Sheik Mohammed,Dean,School of Infrastructure



Lecture by Dr. Kurian Joseph

The speaker talked about the seventeen sustainable development goals proposed in the United Nations sustainable development summit 2015 that has to be achieved before 2030, He also discusses the objectives and targets of each sustainable development goal, their importance and the steps to achieve these goals. The various schemes and plans followed by Indian government to achieve sustainable development goals including Mahatma Gandhi national rural employment guarantee act (MGNREGA), Pradhan Mantri Awas Yojana – Gramin (PMAY-G) are also discussed.

Finally the speaker concluded by stating the various strategies that has to be implemented such as low carbon development of electricity systems, low carbon transport systems, energy and material efficient buildings, rain water harvesting, restoration of water bodies, waste water recycling etc. to achieve long term sustainable development. Nearly 400 final year students attended this seminar.

OUTCOME

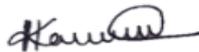
- ❖ The students of final year B.Tech (under Regulation 2021, R-2021) are offered a course on GEDX116 Green Design and Sustainability in their VII semester as a open general elective.

- ❖ The main objective of this course is to explore the concepts of green design and sustainable development through which the students will develop a thorough understanding of green design and sustainable development.
- ❖ This seminar “Guest Lecture on Green Design and Sustainability” is a value addition for this course because it familiarized the students with the various concepts related to green design and sustainable development.
- At the end of this seminar, the following outcomes were achieved for the course “GEDX116 Green Design and Sustainability”.
 - ❖ The students were able to know the concepts related to sustainability and sustainable development.
 - ❖ The students were able to understand the various sustainable development goals that have to be achieved for long term sustainable development and the strategies to be followed.
 - ❖ The students came to know the various plans implemented by Indian government to meet the sustainable development goals by 2030.

Dr.Nisha Khanam



Dr.K.Kanmani



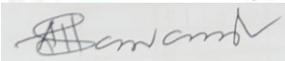
Dr.M.Ayisha Siddiqua



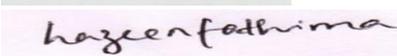
Dr.Y.Ibrahim



Mr.A.Manivannan



Dr.Hazeen Fathima



Dr.T.Srividya



Dr.Vishal.M



Faculty Coordinators



**Dr.M.S. Haji Sheik Mohammed
Dean(School of Infrastructure)**