



NARAYANA ENGINEERING COLLEGE::NELLORE **AUTONOMOUS**

Permanently affiliated to JNTUA Ananthapuramu, Approved by AICTE,
Accorded 'A' grade by Govt. of AP, Recognized by UGC 2(f) & 12(B),
ISO 9001:2015 certified Institution, Approved with 'A+' Grade by NAAC



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report on "Webinar on "Roles and Responsibilities of Engineers to save Earth from EM pollution-Motivation towards Green Engineering"

The department of **Electronics and Communication Engineering** has conducted "webinar on "Roles and Responsibilities of Engineers to save Earth from EM pollution-Motivation towards Green Engineering" on behalf of "IETE" (students association) ISF on 31/5/2021. All Ece students came forward to participate in this event.

The HOD of ECE department introduced the guest as the event began.

Profile of Dr M.Hemalatha B.E., M.S, Ph.D

Dr. Hemalatha Mahalingam is graduated in Electronics and Communication Engineering, post graduated in Information Technology and received her doctoral degree in Broad Band Wireless Communication Systems.



Groomed in institutions like Bharathidasan University and SASTRA University, her career from being a student engineering enthusiast to a research lead, has followed a distinctive trend in Broadband and Wireless Communication Systems. Her allied research and industrial interests include SDR & Cognitive Radio, OFDM, and Diversity analysis in Broadband Networks, Internet of Things, Energy Harvesting Techniques, Green Mobile Computing and recently she has added a new flavor to her research interest with Data Science and machine Learning.

In association with IETE, department of ECE organized a webinar on Roles and Responsibilities of Engineers to save Earth from EM pollution-Motivation towards Green Engineering. The webinar gave a deep insight to "Role of Engineers to save Earth from EM pollution". The interactive session began by the introduction of speaker by the Head of the department Dr. K. Murali. The speaker gave an extremely insightful talk on responsibilities of present engineers to save earth from green pollution. All the ECE students effectively participated in this webinar.

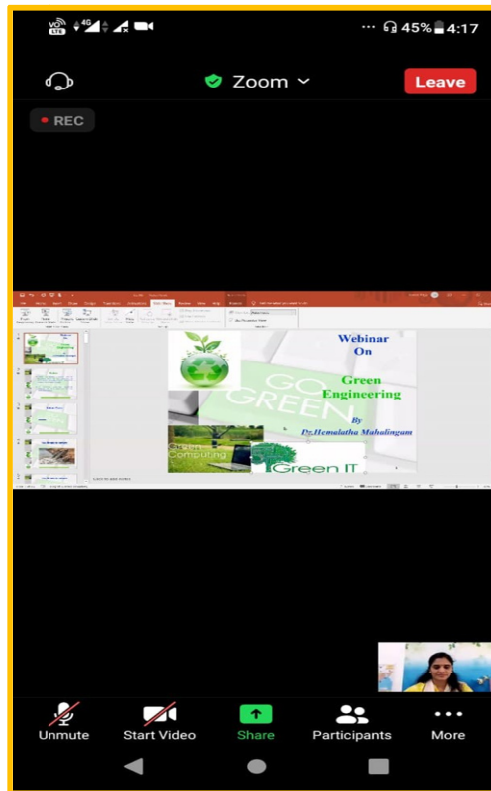
According to the speaker, the past few decades have seen growing realization that the present model of development is unsustainable. The current generation, in the process of satisfying their basic

needs and enjoying a better quality of life, is going to deprive the future generations of quality of life. From the loss of biodiversity with the depletion of rainforests or over-fishing to the negative effect our consumption patterns are having on the environments and climate, our way of life is placing an increasing burden on the planet. The increasing stress we put on resources and environmental systems such as water, land, and air cannot go on forever. Especially as the world population continues to increase and we already see a world where over a billion people live on less than a dollar a day.

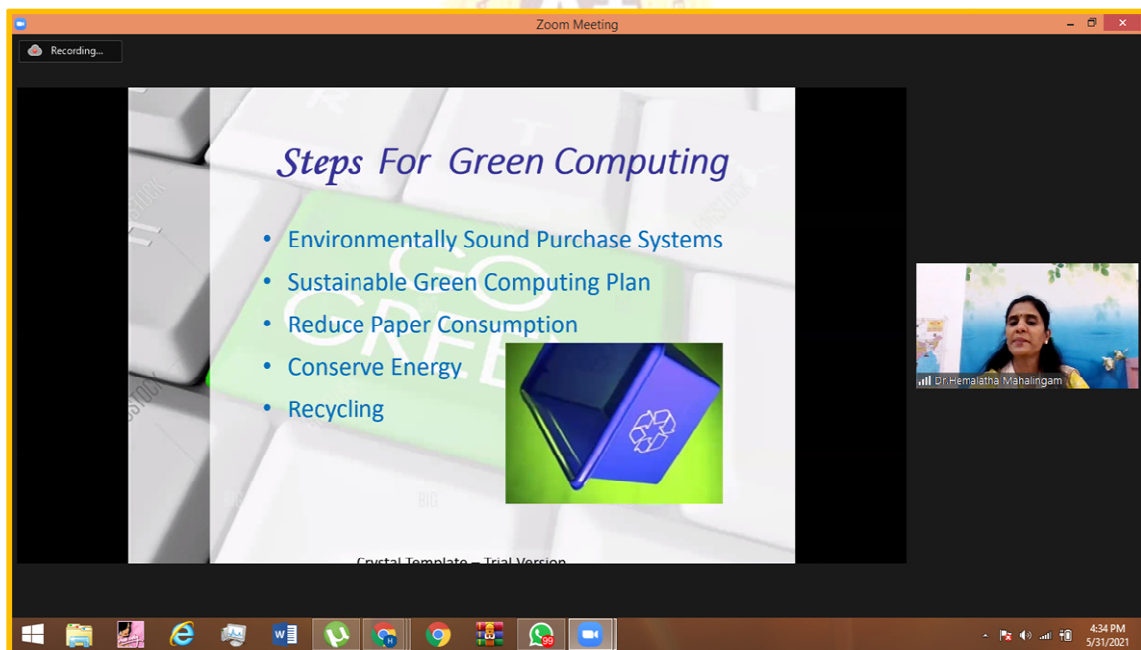
The role of engineers in saving environments and affecting the sustainable development is very important because the engineers can use creativity, technology and scientific knowledge to solve practical problems.

- The safety, health and environmental aspects of construction projects are all governed by primary legislation, case and tort. However engineers should set boundaries of acceptability that are tighter than the legislation.
- Engineers should develop, articulate and believe in a strong safety culture, instilled into people's behaviors and then give a clear indication of expectations in line with this culture.

Engineer should address design for safety early for it to have the best effect. They should consider using early contractor involvement to enable suppliers to have a valuable input in safety of construction methods and long term operation and maintenance.



Resource Person Giving Introduction to Green Engineering



Resource Person Explaining about Green Computing



Resource Person Explaining about Green Gadgets

Students of B.Tech actively involved in the session where they recollected, related the information and effectively shared their knowledge.

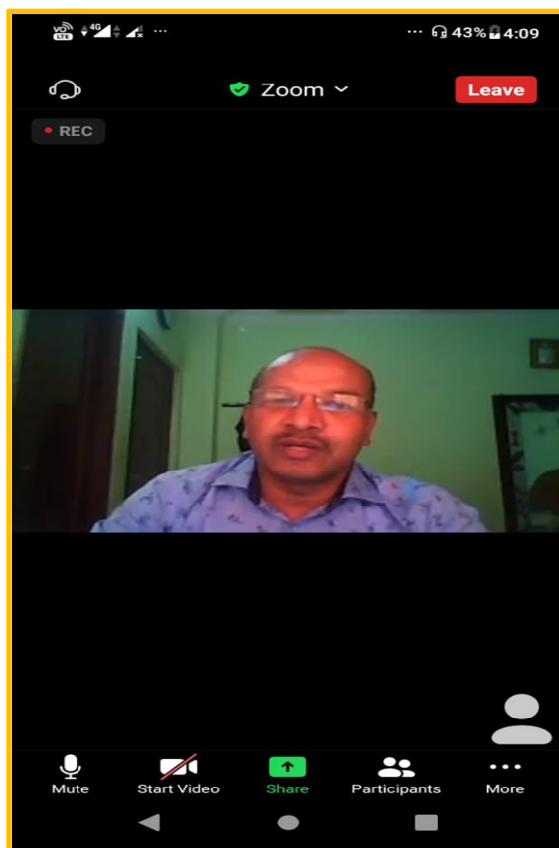
Participants (212)		
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Invite Mute All ...		

List of Participants

Recorded link of the event:

https://narayanagroup.zoom.us/rec/share/ZL64_LmW-KZcyShZBuDRPao6e_TNV5xO1DLr1xG4QY3-052bXSfCJHcgsoE-Z9kO.QKHvbHhafcG6jKgs?startTime=1622455773000

After the **webinar on "Roles and Responsibilities of Engineers to save Earth from EM pollution-Motivation towards Green Engineering** session, head of the department Dr.K.Murali appreciated the students for their active participation in the event.



HOD of ECE giving Vote of Thanks

Total no. of Participants: 204 students