



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

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Department of Mechanical Engineering

Guest Lecture Report on

“Emerging Science and Engineering Learning in Practice”

Date / Duration: 10th December, 2022, 11.30 AM to 1.00 PM

Resource Person(s)

Speaker : Dr.A.Arockia Rajan, Professor

Department of Applied Mechanics, IIT Madras.

Resource Person: Dr.A.Arockia Rajan completed his B.E M. S. University, Tirunelveli, India, and M.E. from Bharathiyar University, Coimbatore and completed his Ph.D from University of Kaiserslautern, Germany and Post-Doctoral Fellow from School of Civil Engg., Uni. of Nottingham, UK. He is currently working as professor in the Department of Applied Mechanics IIT Madras having 10 years of experience in teaching. His area of interest are smart materials and structures, composites, and biomaterials.

Name of the Coordinators:

1. Mr.B.Sudheer Kumar, Sr.Asst.Professor,
2. Mr.M.Oliva, Asst.Professor

Audience: B.Tech Mechanical Engineering 2nd Year Students

Total Number of Participants: 120

Topics covered in the Guest Lecture:

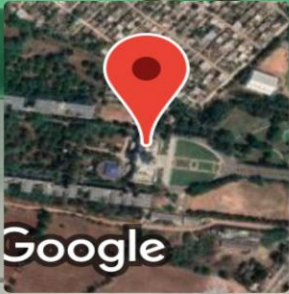
A key goal of science and engineering education is to provide opportunities for people to access, interpret, and make use of science and engineering to address practical human needs. Most education research, however, focuses on how best to prepare students in schools to participate in forms of science and engineering practices that resemble those of disciplinary experts. In this paper, I argue that education research is needed that focuses on how people use science and

engineering in social practices as part of collective efforts to transform cultural and economic production. Drawing on social practice theory, I argue that learning inheres in such activities, not only because people access and make use of science knowledge and develop repertoires for participating in science and engineering practices, but also because participation in such activities transforms the ways that people imagine themselves and expands their possibilities for action. Research can inform and support these efforts, both directly and indirectly, by giving an account of the conditions for science and engineering learning and by diagnosing inequities in access to science and engineering for addressing pressing human needs.

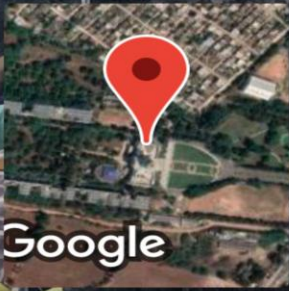
Objective of the Event: To make the students aware of science and engineering practices that resemble the education research is needed that focuses on how people use science and engineering in social practices as part of collective efforts to transform cultural and economic production.

Dr.A.Arockia Rajan Professor Department of Applied Mechanics IIT Madras, addressing during the inaugural session of Guest Lecture on 10-12-2022.

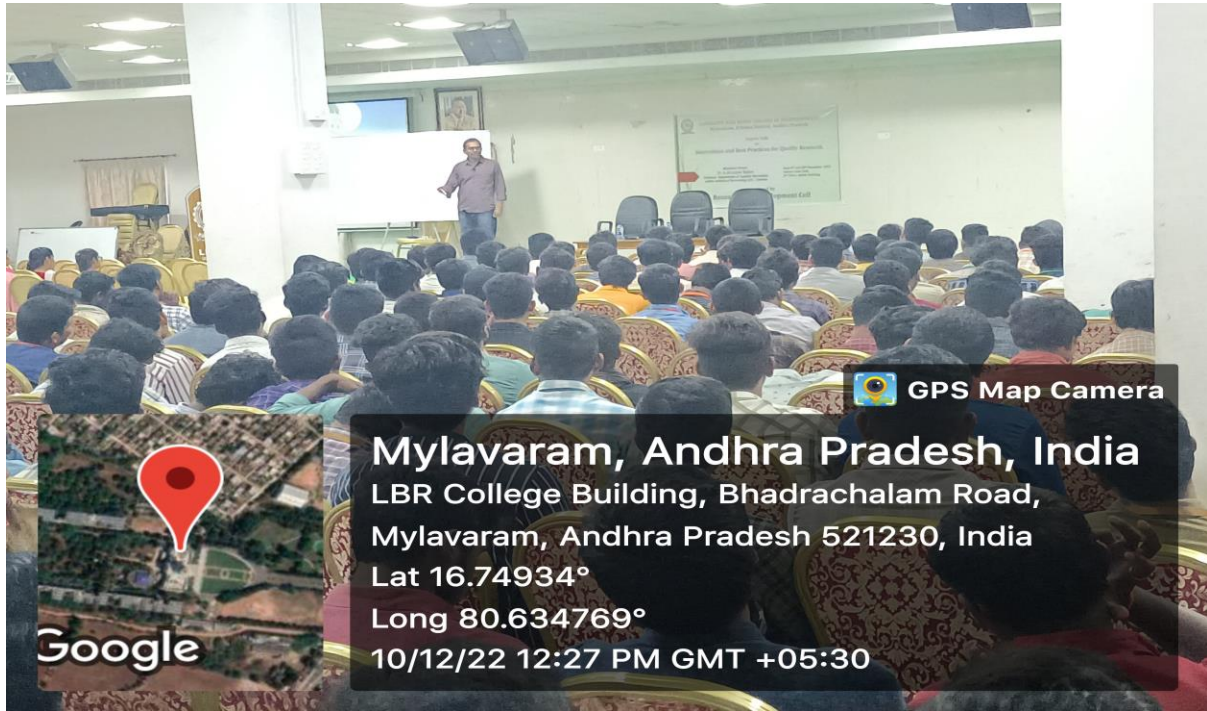




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LBR College Building, Bhadrachalam Road,
Mylavaram, Andhra Pradesh 521230, India
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Long 80.634724°
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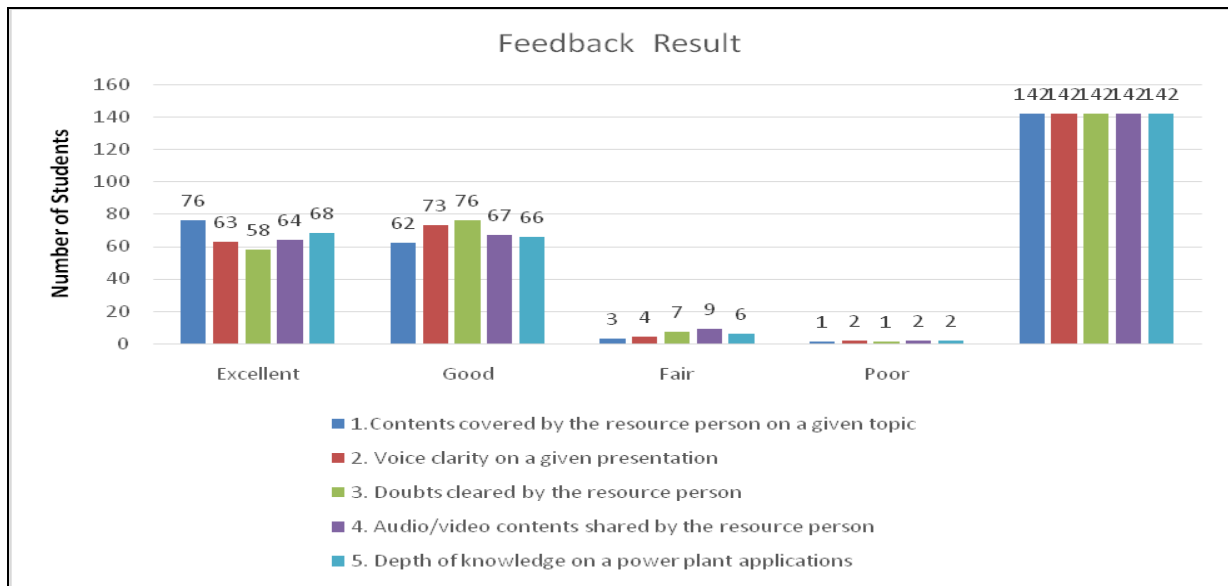
Google

Outcome of the Event: The 130 participants who attended the webinar gave their feedback on the guest lecture and gained knowledge on the scope focuses on how best to prepare students in schools to participate in forms of science and engineering practices that resembled.

Feedback / Suggestions:

1. Play the related videos of the topic delivered wherever necessary for better understanding

Feedback Report: The student participants gave their feedback on the guest lecture and the responses were shown in the form of graph given below.



[Signature]
 HEAD
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