



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME) under Tier - I

Approved by AICTE and Permanently Affiliated to JNTUK, Kakinada



Department of Mechanical Engineering

Guest Lecture Report on

“ENERGY CONSERVATION METHODS”

Date / Duration: 25th October, 2021, 2.00 PM to 4.15 PM

Resource Person(s)

Mr.K.R.Ramana, PCRA Faculty, Vizag

Mr.G.Harihara Iyer, PCRA Faculty, Vizag

Sub Regional Office, Ministry of Petroleum Oil and Natural Gas, Govt of India, Visakhapatnam.

Mr.K.R.Ramana, is a Certified Auditors for ISO 9001, 14001, OHSAS 180001, undergone Training for implementation of Energy Management System ISO 50001, Certified Energy Auditor by Bureau of Energy Efficiency, Ministry of Power, Government of India and Competent project leader in Oil, Gas & Sector with over 45 years of experience in Fire, Marine, Engineering Insurance Surveys, Project Management, Construction Management, Accident investigation, Insurance Surveys, Inspection, Testing, Quality, Occupational Health Safety & Environmental Management Systems Audits. Government Approved Competent person under Factories Act and Rules (in accordance with API Standards) Static & Mobile Pressure Vessels (Unfired) Rules (India) such as Bullets Petrochem, Horton’s Sphere for LNG, LPG , Shale Gas , Hydrogen etc (as per ASME Section VIII Part I & Part II.. He is the Empanelled Faculty and Trainer With petroleum conservation research association, Ministry Of Petroleum And Natural Gas, Government Of India.

Mr.G.Harihara Iyer, is working as the PCRA Faculty at Sub Regional Office, Department of Oil and Natural Gas, Govt of India, Visakhapatnam. His qualifications are Graduate in Mechanical and Mining Engineering and Certified Energy Auditor from Bureau of Energy efficiency since 2006. He is the Recipient of several awards for significant professional contributions from Institutions of Engineers (India), Mining, Geological and Metallurgical Institution of India, NEDCAP, Hyderabad Etc. He is the President of the Indian Association of

Energy Management Professionals (IAEMP) is a group of highly qualified, committed and dynamic conscience keepers to nation on energy matters..

Name of the Coordinators:

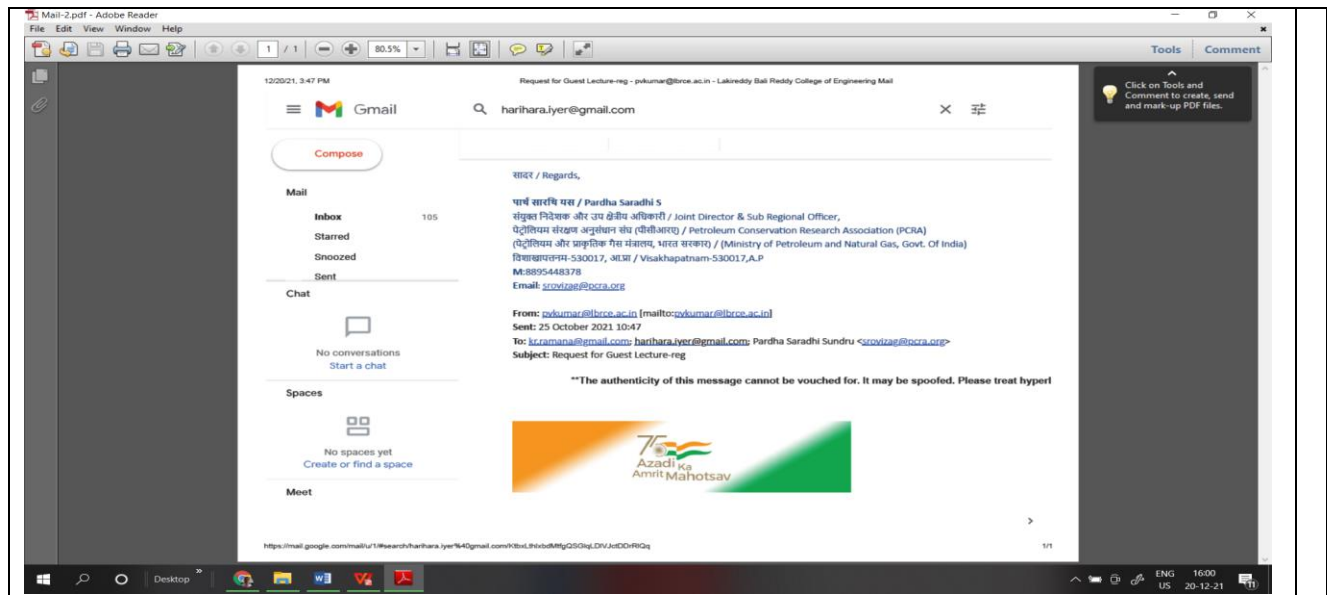
- 1. Dr. P.Vijay Kumar, Professor,
- 2. Mr. K.V.Viswanadh, Sr.Asst.Professor

Audience: B.Tech Mechanical Engineering 3rd and 4th Year Students

Total Number of Participants: 185

Topics covered in the Guest Lecture: Different aspects of world energy scenario, energy use, energy rating, energy efficient thermal systems and opportunities of energy conservation in the equipment used in electrical industries. Also different aspects of energy use, energy rating and opportunities of energy conservation in the equipment used in domestic area.

Objective of the Event: To make the students aware of aspects of energy use, energy conservation opportunities in thermal and electrical industries with case studies.



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12/20/21, 3:48 PM Request for change of Guest lecture Date - reg - pvkumar@lrce.ac.in - Lakireddy Bal Reddy College of Engineering Mail

Gmail harihara.lyer@gmail.com

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Request for change of Guest lecture Date - reg External Inbox x

pv kumar <pvkumar@lrce.ac.in> to srovizag, harihara

Dear Sir,

As the Dusserah holidays are declared for college from 12-10-2021 to 17-10-2021, I request you to change the date to 10-2021.

Sir, we will fix up some other date from 21-10-2021 to 23-10-2021.

This is for your kind information.

We hope you understand the situation and extend your support.

with Thanks & Regards

Dr.P.Vijaya Kumar
Professor
Department of Mechanical Engineering
Lakireddy Balreddy College of Engineering(Autonomous)
Mylavaram, A.P.
Cell 9490817851

Navigation 1/1

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Tools Comment

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Request for Guest Lecture-reg External Inbox x

pv kumar <pvkumar@lrce.ac.in> to Ramana, harihara, srovizag

Dear Sir,

We are from Lakireddy Balreddy College of Engineering(Autonomous) Mylavaram, Krishna District, 40 km from

We contacted Mr.S.Pardhasaradhi, Deputy Director, PCRA regarding a Guest Lecture to our students by PCRA Faculty on the

Mr.G.Harashtra Iyer, PCRA Faculty accepted to talk on the above topic. before Dusserah Holidays. Some how it was postponed from 2PM to 4PM.

We are doing this event through Microsoft Teams App. We will provide the login credentials.

with Thanks & Regards

Dr.P.Vijaya Kumar
Professor
Department of Mechanical Engineering
Lakireddy Balreddy College of Engineering(Autonomous)
Mylavaram, A.P.
cell 9490817851

Pardha Saradhi S <srovizao@pcra.org>

Navigation 1/1

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Gmail harihara.iyer@gmail.com

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Meet

pv kumar <pvkumar@lbrce.ac.in>
to harihara, srovizag, Ramana

Meeting link:
<https://teams.microsoft.com/join/19:e270119a717547099c906a0f69518e5@thread.tscv/21635141859320?context=1453785ca103%72%720a4f802d-f688-45cf-9cae-58011737e4e9%72%7D>

User ID:
questme@lbrce.ac.in

Password:
Lbrce@2021

harihara iyer <harihara.iyer@gmail.com>
to me

Dear Sir

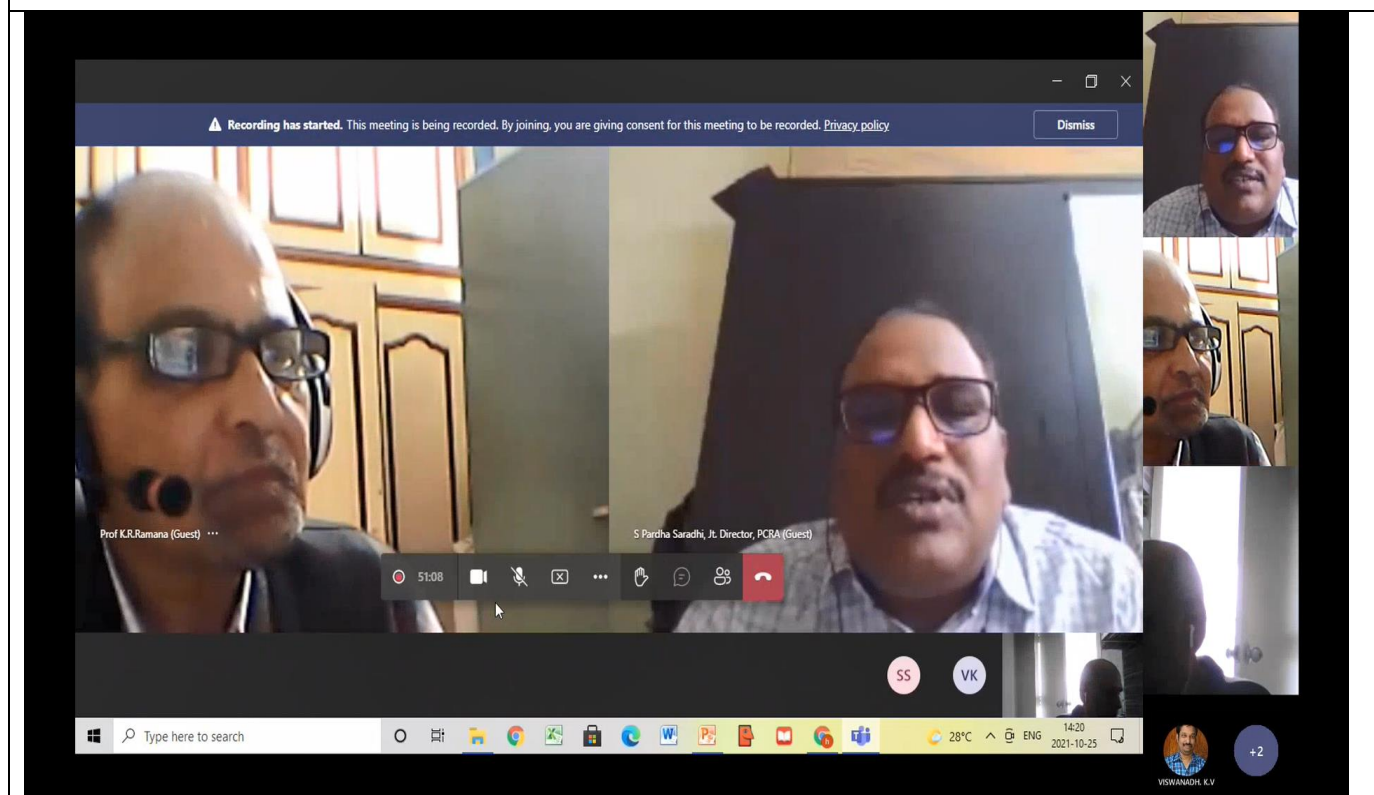
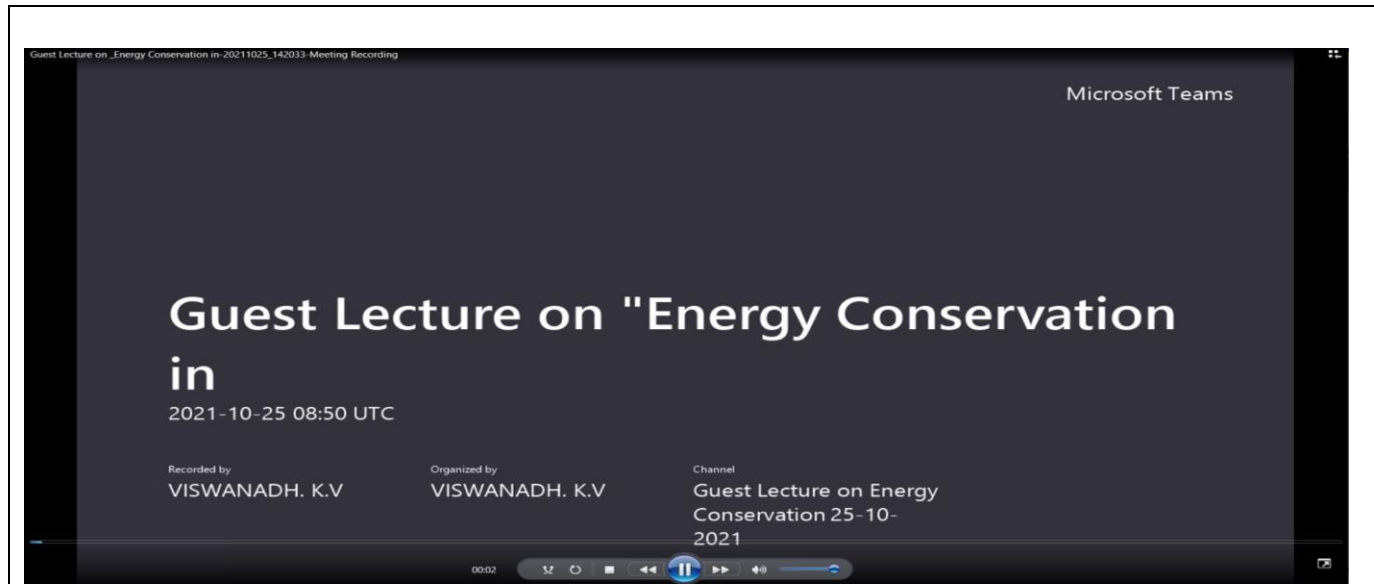
Mr Parthasarathi has agreed to have another session

Please let me know your convenience to fix up the Program

https://mail.google.com/mail/u/1/#search/harihara.iyer%40gmail.com/VbtLrYkSZXVZLpgR_PQIFzWTrndhL

1/1

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Shri.S.Pardhasaradhi, Deputy Director, SRO, Vizag addressing during the Inaugural session and The

Resource Person Mr.K.R.Ramana, PCRA Faculty seen to the left of the screen.



SANRAKSHAN KSHAMATA MAHOTSAV

PLEDGE

We do here by solemnly pledge that we shall be continuously striving to conserve petroleum products in all spheres of our activities so that supplies of these scarce resources last longer for the progress of our country.

We will shoulder the responsibility of a good citizen and endeavour to create awareness among the masses to avoid wasteful use of petroleum products, so as to build a new and healthy India for our future generations by ensuring a better environment.

Prof.K.R.Ramana (Guest)

VISWANADH. K.V

Harshara Iyer (Guest)

VISWANADH. K.V

VISWANADH. K.V

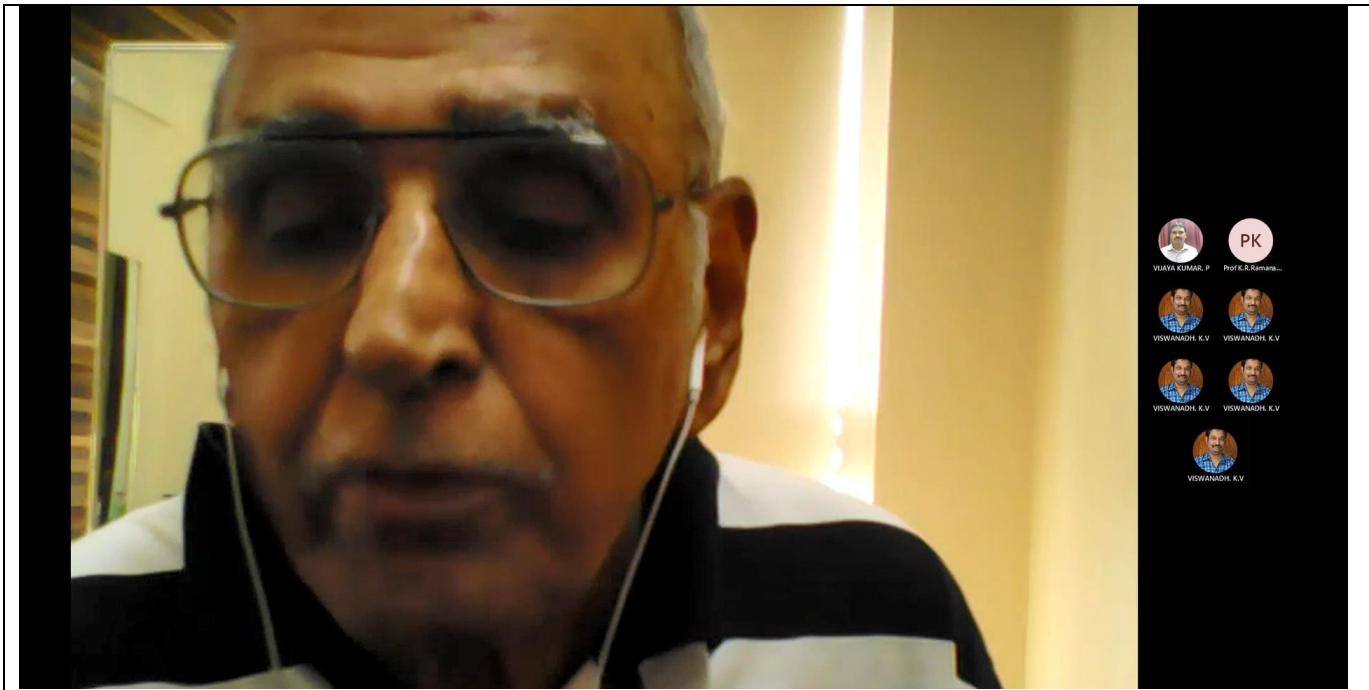
VIJAYA KUMAR, P

VISWANADH. K.V

VISWANADH. K.V



Mr.K.R.Ramana, PCRA Faculty, delivering a talk on Energy Conservation Methods



Mr.G.Harihara Iyer, Delivering a talk on Home Energy Conservation Methods

Home Energy Management Systems PPT - Microsoft PowerPoint (Product Activation Failed)

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1 Home Energy Management Systems
G Harihara Iyer
Faculty – Petroleum Conservation Research Institute

2

3 CONTENTS

4 Indoor Air Quality During Pandemic Scare

Click to add notes

Slide 1 of 82 | Office Theme | English (India) | 75%

Home Energy Management Systems

G Harihara Iyer
Faculty – Petroleum Conservation Research Institute

1 Home Energy Management Systems: An overview and introduction of the topic. Why? Energy conservation and energy efficiency are the key to sustainable development. Energy conservation and energy efficiency are the key to sustainable development. Energy conservation and energy efficiency are the key to sustainable development.

2

3 CONTENTS

- 1. Energy conservation and energy efficiency: An overview and introduction of the topic.
- 2. Energy conservation and energy efficiency: An overview and introduction of the topic.
- 3. Energy conservation and energy efficiency: An overview and introduction of the topic.
- 4. Energy conservation and energy efficiency: An overview and introduction of the topic.

4 Indoor Air Quality During Pandemic Scare

- 1. Government has directed to ensure offices, Educational Institutions fully safety in future, ventilation is the key aspect is to consider with Covid-19
- 2. There would be challenges to manage this and we have to think of novel and tailored solutions to prevent discomfort due to humidity

Outcome of the Event: The 104 participants who attended the Guest Lecture gave their feedback on the guest lecture and gained knowledge on the scope of energy conservation and the role of a Mechanical Engineers in planning and executing the energy conservation and management programmes.

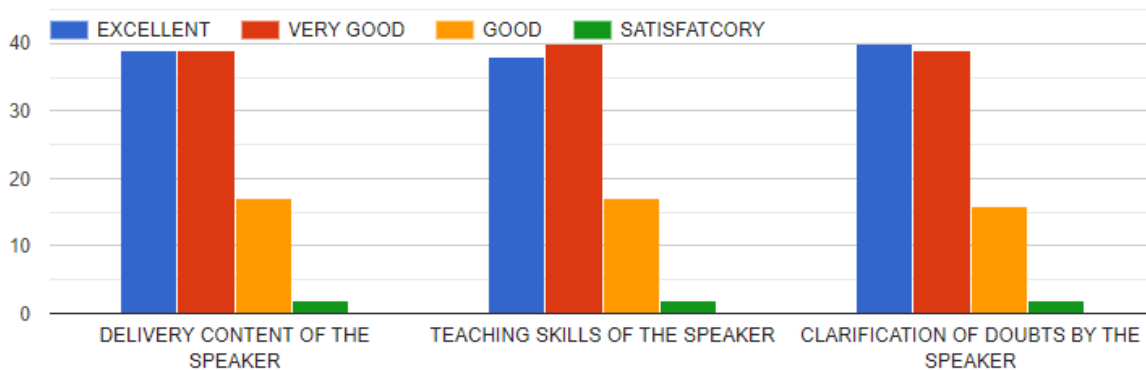
Feedback / Suggestions:

1. Provide the students case studies of industries adopted energy conservation schemes
2. More number of opportunities for Mechanical engineers in marketing field

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

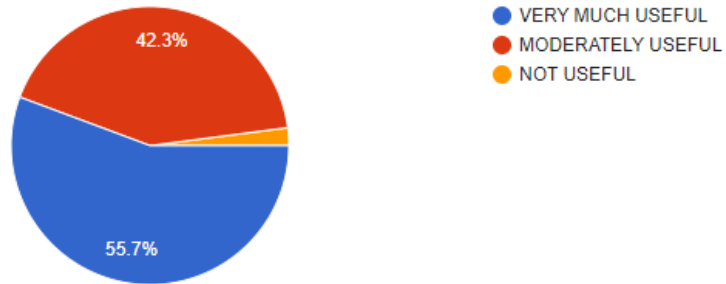
Session-1, Mr.K.R.Ramana, PCRA Faculty, Sub Regional Office, Visakhapatnam

Please make indicative your satisfaction for the following aspects of the event



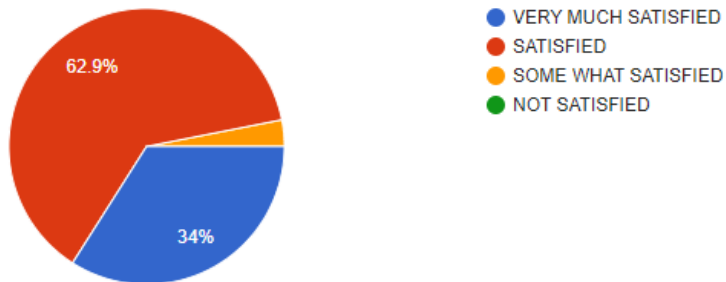
IS THE TOPIC COVERED USEFUL FOR THE PARTICIPANTS?

97 responses



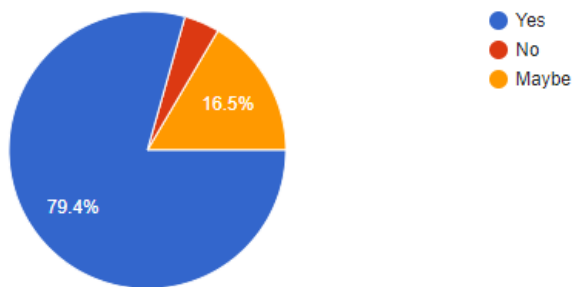
LEVEL OF SATISFACTION OF THE SESSION

97 responses



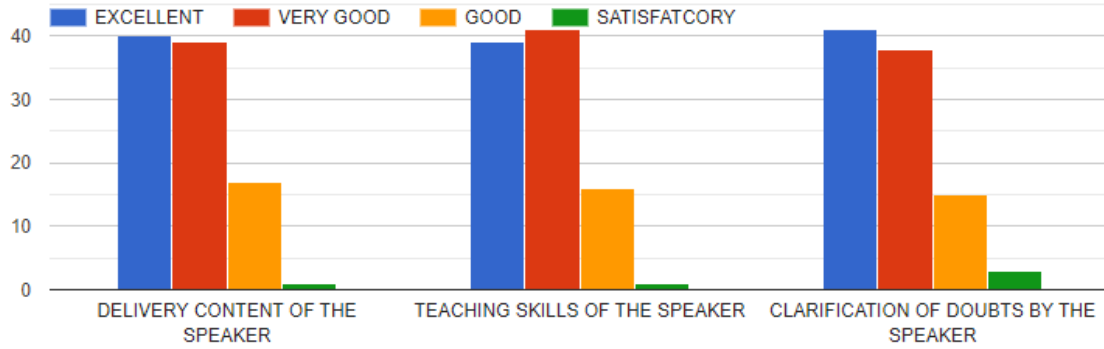
Are you likely to participate in one of our events in the future?

97 responses



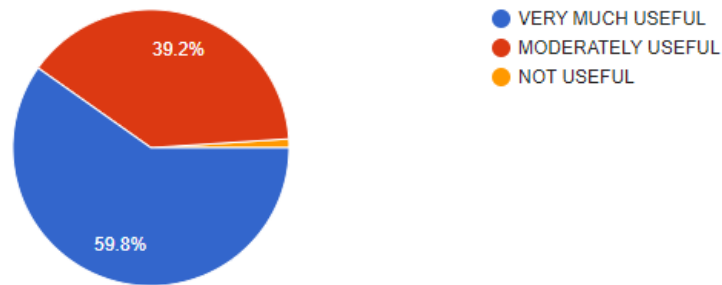
Session-2, Mr.G.Harihara Iyer, PCRA Faculty, Sub Regional Office, Visakhapatnam

Please make indicative your satisfaction for the following aspects of the event



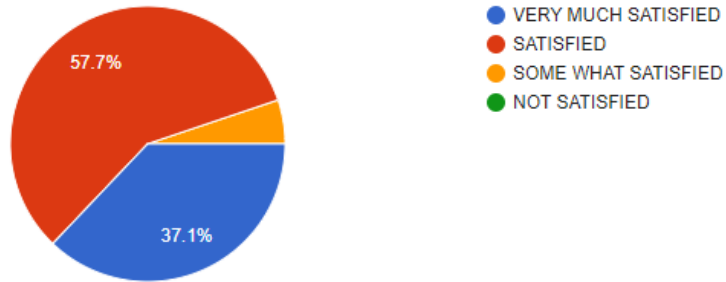
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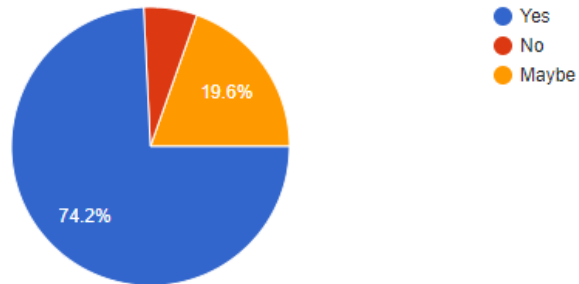
LEVEL OF SATISFACTION OF THE SESSION

97 responses



Are you likely to participate in one of our events in the future?

97 responses



S. Balaji
HEAD
Dept. of Mechanical Engineering
LAKIREDDY BALI REDDY COLLEGE OF ENGG
MYLAVARAM - 521 230, Krishna Dt., A.P.