

A
REPORT OF
AWARENESS TALK ON
RENEWABLE ENERGY & ENERGY CONSERVATION
FOR SUSTAINABLE DEVELOPMENT



HELD ON

27th MARCH 2025

ORGANIZED

BY

DEPARTMENT OF MECHANICAL ENGINEERING

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

**#15, Near Vajarahalli, Mallasandra,
Kanakapura Road, Bengaluru-560109**



KSSEM
K S SCHOOL OF ENGINEERING AND MANAGEMENT

K S SCHOOL OF ENGINEERING AND MANAGEMENT

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NAAC)

Mallasandra, Kanakapura Road, Bengaluru-560109

DEPARTMENT OF MECHANICAL ENGINEERING ORGANIZES TALK ON

“RENEWABLE ENERGY & ENERGY CONSERVATION FOR SUSTAINABLE DEVELOPMENT”



Speaker

Dr. H Nagana Gouda

Former Director

National Training Centre for Solar Technology
KPCL



FACULTY CO-ORDINATORS

Dr. P N Jyothi, Prof. MED
Prof. Harisha P, Asst. Prof. MED



27 March 2025



10:30 am -12:00 pm



Aryabhata Seminar Hall



Dr. Balaji B
Associate Director, Admissions & PR
Prof. & Head, Dept. of Mechanical Engineering

Dr. K. Rama Narasimha
Principal /Director
KSSEM

Dr. K.V.A Balaji
CEO & Member Secretary
KSGI

Report of Awareness Talk
Organized by
Department of Mechanical Engineering on 27-03-2025
Academic Year: 2024-25

TITLE OF THE PROGRAM:

“Renewable energy & energy conservation for sustainable development”

BRIEF SUMMARY OF PROGRAM:

The Department of Mechanical Engineering at K S School of Engineering and Management (KSSEM), Bengaluru, is organising a technical talk on "**Renewable Energy & Energy Conservation for Sustainable Development**" on **March 27, 2025**, from **10:30 AM to 12:00 PM** at the **Aryabhata Seminar Hall**. The session will be led by **Dr. H Nagana Gouda**, Former Director of the National Training Centre for Solar Technology (KPCL). The event aims to educate students and faculty members about the significance of renewable energy sources and energy conservation in achieving sustainability. This talk, coordinated by faculty members **Dr. P. N. Jyothi and Prof. Harisha P.**, is supported by **KSSEM's Institution Innovation Council**, which promotes research and technological advancements.

OBJECTIVES OF THE PROGRAM:

1. **Raise Awareness** – Educate participants on the importance of renewable energy and energy conservation for a sustainable future.
2. **Encourage Innovation** – Inspire students to explore innovative solutions in renewable energy technologies.
3. **Industry Insights** – Provide practical knowledge on solar technology and energy-efficient practices.
4. **Sustainability Focus** – Highlight strategies for reducing carbon footprints and optimizing energy use.
5. **Skill Development** – Equip attendees with fundamental knowledge useful for careers in the energy sector.

SPEAKER'S DETAILS:

Dr. H. Nagana Gouda is a distinguished expert in the field of renewable energy and energy conservation, with over 35 years of experience in academia, government institutions, and corporate

sectors.

He holds a B.E. in Electronics, M.E. in Power Electronics, and a Ph.D. in Non-Conventional Power Sources (Wind Energy). Additionally, he has an L.L.B. degree, showcasing his multidisciplinary expertise.

Dr. Gouda has served in key roles, including:

1. Director at the National Training Centre for Solar Technology, KPCL (2010-2019).
2. Technical Officer and Assistant General Manager at Karnataka Renewable Energy Development Ltd. (KREDL) (2003-2010).
3. Assistant Engineer & Assistant Executive Engineer at Karnataka Power Corporation Ltd. (KPCL) for 13 years.
4. Academic Experience – 6 years of teaching from 1984-1990.

Key Contributions & Achievements:

1. Presented over 4,550 technical papers at national and international conferences.
2. Served as Vice Chairman for the Energy Conservation of Building Codes (ECBC) Committee under the Public Works Department, Government of Karnataka.
3. Member of several prestigious organizations, including Bureau of Indian Standards (BIS), Fellow of Institution of Engineers (India), and the Indian Society for Technical Education (ISTE).
4. Recipient of 22 awards for contributions to energy efficiency and renewable energy policies.

Dr. Gouda is a strong advocate for energy efficiency policies, solar energy advancements, and sustainable development. His work has been instrumental in shaping renewable energy strategies and regulations in Karnataka and India.

REPORT:

Renewable energy plays a crucial role in achieving sustainable development by providing clean, reliable, and environmentally friendly power solutions. Among various renewable sources, solar power technology has emerged as a key driver of energy transition, harnessing abundant sunlight to generate electricity through photovoltaic (PV) systems and solar thermal applications.

By reducing dependence on fossil fuels, solar energy helps mitigate climate change, lower carbon emissions, and promote energy security. Innovations in solar panel efficiency, energy storage, and smart grid integration are making solar power more accessible and cost-effective.

Investing in renewable energy not only supports economic growth and job creation but also ensures a greener future by preserving natural resources. Widespread adoption of solar technology in

residential, commercial, and industrial sectors is a vital step toward achieving global sustainability goals and a cleaner environment for future generations.

Keeping the importance of renewable energy in today's world Department of Mechanical Engineering initiated this program to create awareness and build responsibility among students concerning renewable energy.

PHOTOGRAPHS





OUTCOMES OF THE PROGRAM:

- Participants gained a deepened understanding of Various Solar technologies in India.
- Participants were inspired to explore various devices used in solar technology.

Signature of Co-Ordinators

Signature of Department Head

Signature of Principal

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

PARTICIPANTS DETAILS:



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109

DEPARTMENT OF MECHANICAL ENGINEERING

Talk On: "Renewable Energy & Energy Conservation for Sustainable Development"

6th Semester Student List (2024-25) Date: 27/03/2025

Sl.No	USN	Name	Student Signature
1	1KG22ME001	ANEESH L ARADHYA	
2	1KG22ME002	ASHIK B K	
3	1KG22ME005	PRAJWAL M S	
4	1KG22ME006	ROHAN PRADEEP TEMKAR	
5	1KG22ME007	SURYA N	
6	1KG22ME008	YASHWANTH GOWDA S	
7	1KG23ME400	ABHISHEK A	
8	1KG23ME401	ADITYA SHIVARAM K	
9	1KG23ME403	ANAND RAJ K	
10	1KG23ME404	ANAND S	
11	1KG23ME405	CHANDU K S	
12	1KG23ME406	DHANUSH PRABHA V	
13	1KG23ME407	DHRUVA R	
14	1KG23ME408	HARISH C	
15	1KG23ME409	JAMAL AHAMED	
16	1KG23ME410	KIRAN KUMAR N	
17	1KG23ME411	LOHITH S	
18	1KG23ME412	MADAN KUMAR	
19	1KG23ME413	NAYAN S N	
20	1KG23ME414	P DHANUSH	
21	1KG23ME415	PARTHA M	
22	1KG23ME416	RANGARAJU C K	
23	1KG23ME417	REHAMAN SHARIFF	
24	1KG23ME418	ROHITH J	
25	1KG23ME419	SANJAY K S	
26	1KG23ME421	SUHAS M	
27	1KG23ME422	SUHAS PATEL P	
28	1KG23ME423	SURAKSHITH KUMAR V	
29	1KG23ME424	VAMSHI S	

Head of the Department

Professor & Head

Department Of Mechanical Engineering

K.S. Group Of Institutions

K.S. School Of Engineering & Management



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU-560 109

Department of Mechanical Engineering
Talk On: "Renewable Energy & Energy Conservation for Sustainable Development"

IV Semester Attendance List (2024-25)

Date: 27/03/2025

SL.No.	USN	Name of the Student	Signature
1	1KG22ME003	KARTHIK R	Karthik R
2	1KG23ME001	AKASH K J	Akash K J
3	1KG23ME002	B PURUSHOTH	B Purushoth
4	1KG23ME003	B RAVINDRA	B Ravindra
5	1KG23ME004	BUVAN KUMAR B N	AB
6	1KG23ME005	E C PREM KIRAN	E C Prem Kiran
7	1KG23ME006	HAMDAAN MAHIR	Hamdaan Mahir
8	1KG23ME007	N SRIVAISHNAVI	N Srivaishnavi
9	1KG23ME008	POTHUR DIVAKAR	P Divakar
10	1KG23ME010	RAKSHITHA V	Rakshitha V
11	1KG23ME011	SUNIL REDDY S	Sunil Reddy S
12	1KG23ME012	VALLERU CHANDRAPRAKASH	Valleru Chandraprakash
13	1KG24ME400	ANIL J M	Anil J M
14	1KG24ME401	BHARATH C	Bharath C
15	1KG24ME402	CHANDAN R	AB
16	1KG24ME403	HEMANTH S R	Hemant H S R
17	1KG24ME404	K JASHWANTH RAJU	AB
18	1KG24ME405	KAUSHIK C	AB
19	1KG24ME406	MITHUN B	Mithun B
20	1KG24ME407	NAVEEN SHANKALA	Naveen Shankala
21	1KG24ME408	P GNANESH	P Gnanesh
22	1KG24ME409	PAVAN K	AB
23	1KG24ME410	PRUTHVI M	Pruthvi M
24	1KG24ME411	R GOWTHAM	R Gowtham
25	1KG24ME412	RAVIKUMAR G	Ravikumar G
26	1KG24ME413	SHARATH KUMAR E	Sharath Kumar E
27	1KG24ME414	SUDEEP S	Sudeep S
28	1KG24ME415	SUJITH S	Sujith S
29	1KG24ME416	TANAV VISHWANTH	AB
30	1KG24ME417	THARUN K	Tharun K
31	1KG24ME418	VIKAS K	Vikas K
32	1KG24ME419	VIKAS S	Vikas S


Head Of the Department
Professor & Head
Department Of Mechanical Engineering



K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU-560 109
Department of Mechanical Engineering

Talk On: "Renewable Energy & Energy Conservation for Sustainable Development"
IInd Semester student Attendance [2024-25]

Date: 27/03/2025

Sl.No.	USN	Name of the Student	Student Signature
1	1KG24ME001	ADITHYA T S	Adithya
2	1KG24ME002	AJAY KUMAR M	Ajay
3	1KG24ME003	B RUDRESH	B Rudresh
4	1KG24ME004	CHAITHANYA REDDY KARNATI	Chaithanya
5	1KG24ME005	CHAITRA R	Chaitra
6	1KG24ME006	GANESH GOWDA B R	Ganesh
7	1KG24ME007	K GIRICHARAN	K Giricharan
8	1KG24ME008	KIRAN L	AB
9	1KG24ME009	KURAPATI MUKESH	Mukesh
10	1KG24ME010	LIKITH BABU	Likith
11	1KG24ME011	MALLIDI BHARATH NAIDU	Mallidi
12	1KG24ME012	MOHAMMED YASEEN	Mohammed Yaseen
13	1KG24ME013	MUHAMMED SHAHID KHAN	Muhammed
14	1KG24ME014	P HARSHITH SINGH	P Harshith
15	1KG24ME015	ROOPA S	Roopa
16	1KG24ME016	SANJANA G	Sanjana G
17	1KG24ME017	SANTOSH M	Santosh
18	1KG24ME018	SUMANTH S	Sumanth S
19	1KG24ME019	VIJAY BHASKAR NARASIMHA	Vijay
20	1KG24ME020	VIROCHANA B M	Virochana
21	1KG24ME021	YASHASH P KOPPAD	AB

Head of the Department

Professor & Head
Department Of Mechanical Engineering
K.S. Group Of Institutions
K.S. School Of Engineering & Management
Bangalore-560 109

SAMPLE CERTIFICATE OF PARTICIPATION:



KSSEM
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

K.S SCHOOL OF ENGINEERING AND MANAGEMENT
MALLASANDRA, KANAKAPURA ROAD, BENGALURU-560109
Affiliated to VTU Belagavi, approved by AICTE, New Delhi and Accredited by NAAC



INSTITUTION
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

CERTIFICATE OF PARTICIPATION

HARISHA P from KSSEM

This certificate is given to acknowledge your active participation in **Talk on "Renewable Energy and Energy Conservation for Sustainable Development"** organized by Department of Mechanical Engineering on 27 March 2025.



Dr. Balaji B
Asso. Director, Admissions & PR
Prof. & Head, ME



Dr. K Rama Narasimha
Principal & Director, KSSEM

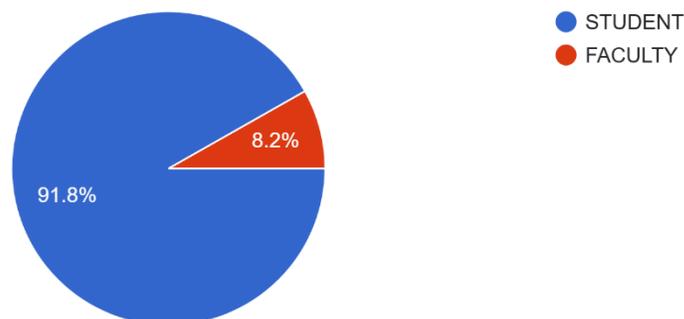


Dr. K V A Balaji
CEO, KSGI

PARTICIPANT FEEDBACK:

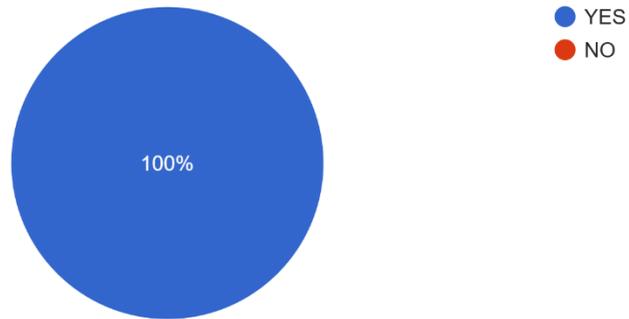
DESIGNATION

61 responses



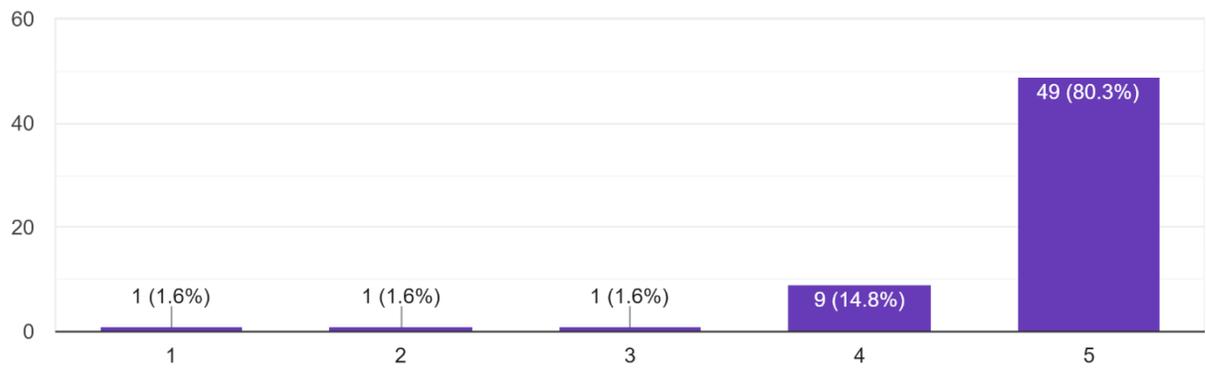
1. WEATHER THIS PROGRAM IS USEFUL?

61 responses



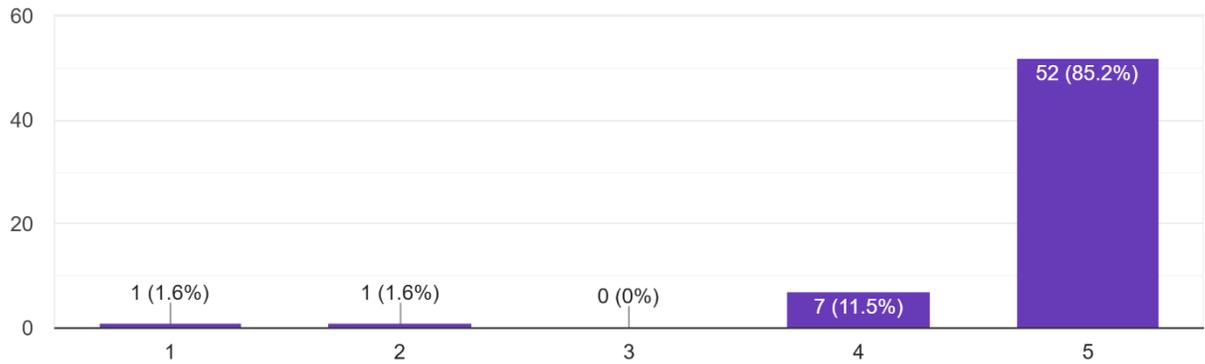
2. DID THIS PROGRAM MEETS YOUR EXPECTATIONS?

61 responses



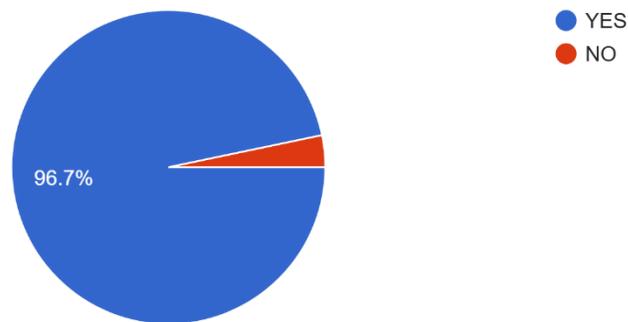
3. HOW DO YOU RATE THIS PROGRAM ?

61 responses



4. WOULD YOU LIKE TO ATTEND SUCH EVENTS IN FUTURE?

61 responses



IF ANY SUGGESTIONS

61 responses

- Ntg
- Seminar was super and it was tooo funny
- No suggestion
- Noo
- Full session was funny and entertaining and knowledgeable
- Best speech of the spirit.....
- Full session was funny and entertainment
- None
- no