

# **ACTIVITY REPORT**

## **GUEST LECTURE- 3**

**ON**

### **BASICS OF THERMODYNAMICS**

**CO-ORDINATOR: SRI. S. VIJAYAKUMAR. Asst. Professor in MED**

**22-01-2022**



# K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

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Cr./KSRMCE/(Dept./admin/General/academics/others)/2021-22/

Date:25-01-2022

## Circular

All B. Tech Students are hereby informed that Department of Mechanical Engineering is going to Organize Virtual Guest Lecture on '**Basics of Thermodynamics**' on 29 th of Jan 2022. All the B. Tech III Sem Mechanical Students May Register Your names with Coordinator Sri.S. Vijaya Kumar, Asst.Professor, Dept. Of Mechanical Engineering, K.S.R.M College of Engineering

For Any queries contact,

S. vijaya kumar,

Coordinator, Asst.Professor

Dept. Of Mechanical Engineering

K.S.R.M. College of Engineering

Mobile no: 9441287880

Email: svk@ksrmce.ac.in

V. S. S. Muly  
Principal  
PRINCIPAL

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Cr./KSRMCE/(Dept./admin/General/academics/others)/2021-22/

Date: 25-01-2022

## Circular

To

The principal,  
K.S.R.M College of Engineering  
Kadapa.

From

S. Vijaya Kumar,  
Asstant Professor,  
Dept. Of Mechanical Engineering,  
K.S.R.M College of Engineering  
Kadapa.

Respected sir,

Sub: KSRMCE – (Department of Mechanical Eng.)-Permission to conduct Guest lecture on 'Basics of Thermodynamics 'Requested-Reg..

It is being brought to your kind notice that, With Reference to the cited, the Department of Mechanical Engineering is Planning to Organize Virtual Guest lecture on '**Basics of Thermodynamics**' on 29<sup>th</sup> Jan 2022 in off-line Mode. In this Regard I Kindly request you to grant Permission to conduct Guest Lecture, For which kind of Act. I Would be Grateful to you sir.

Thanking you sir,

Yours Faithfully

  
S. vijaya Kumar.Coordinatar

Asst Prof.in MED, .K.S.R.M CE

Cc:


To the Director for Information

To All Deans/HoD's



**Principal**  
**PRINCIPAL**

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**KSNR**  
lives on..

## DEPARTMENT OF MECHANICAL ENGINEERING

Guest Lecture on

# “ Basics of Thermodynamics ”



Department of ME



29-01-2022,  
2:00 to 3:00 Pm



Mechanical  
Seminar Hall

**Coordinator**

**Sri S.vijaya Kumar.**

Asst.Professor in MED

**Co-Coordinator**

**sri. D.Merwin Rajesh.**

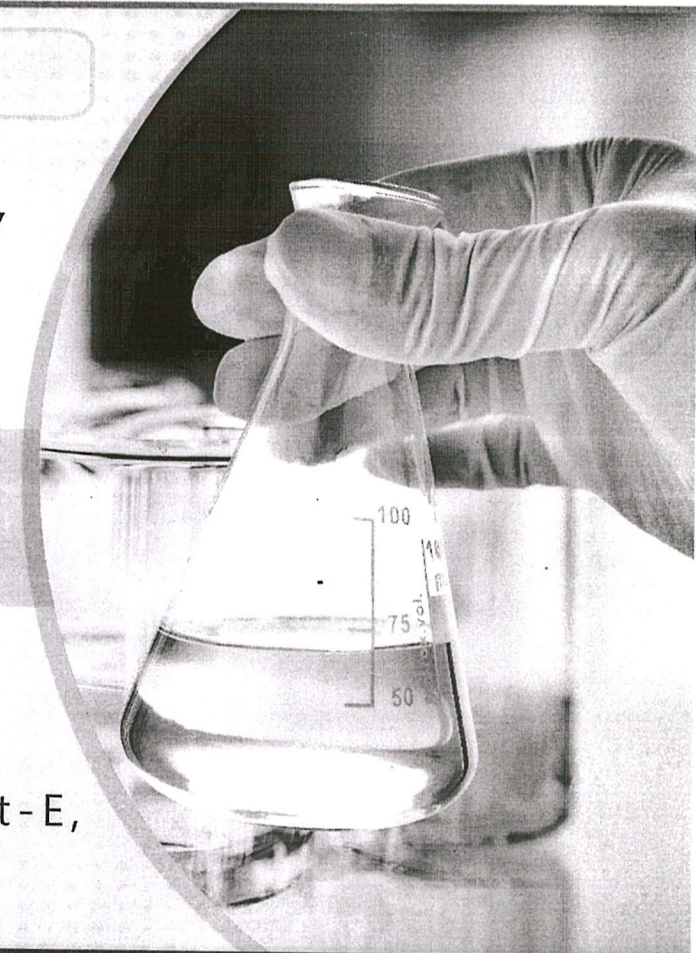
.Asst.professor in MED

**Resourced person**

**Dr.J.Chidanandappa,**

MBA,M.Tech,Ph.D Scientist-E,

NRSC,HYDERABAD



Dr. D. Ravikanth  
(HOD)

Dr. V.S.S. Murthy  
(Principal)

Prof. A. Mohan  
(Director)

Dr. Kandula Chandra Obul Reddy  
(Managing Director)

Smt. K.Rajeswari  
(Correspondent Secretary, Treasurer)

Sri K. Madan Mohan Reddy  
(Vice - Chairman)

Sri K. Raja Mohan Reddy  
(Chairman)

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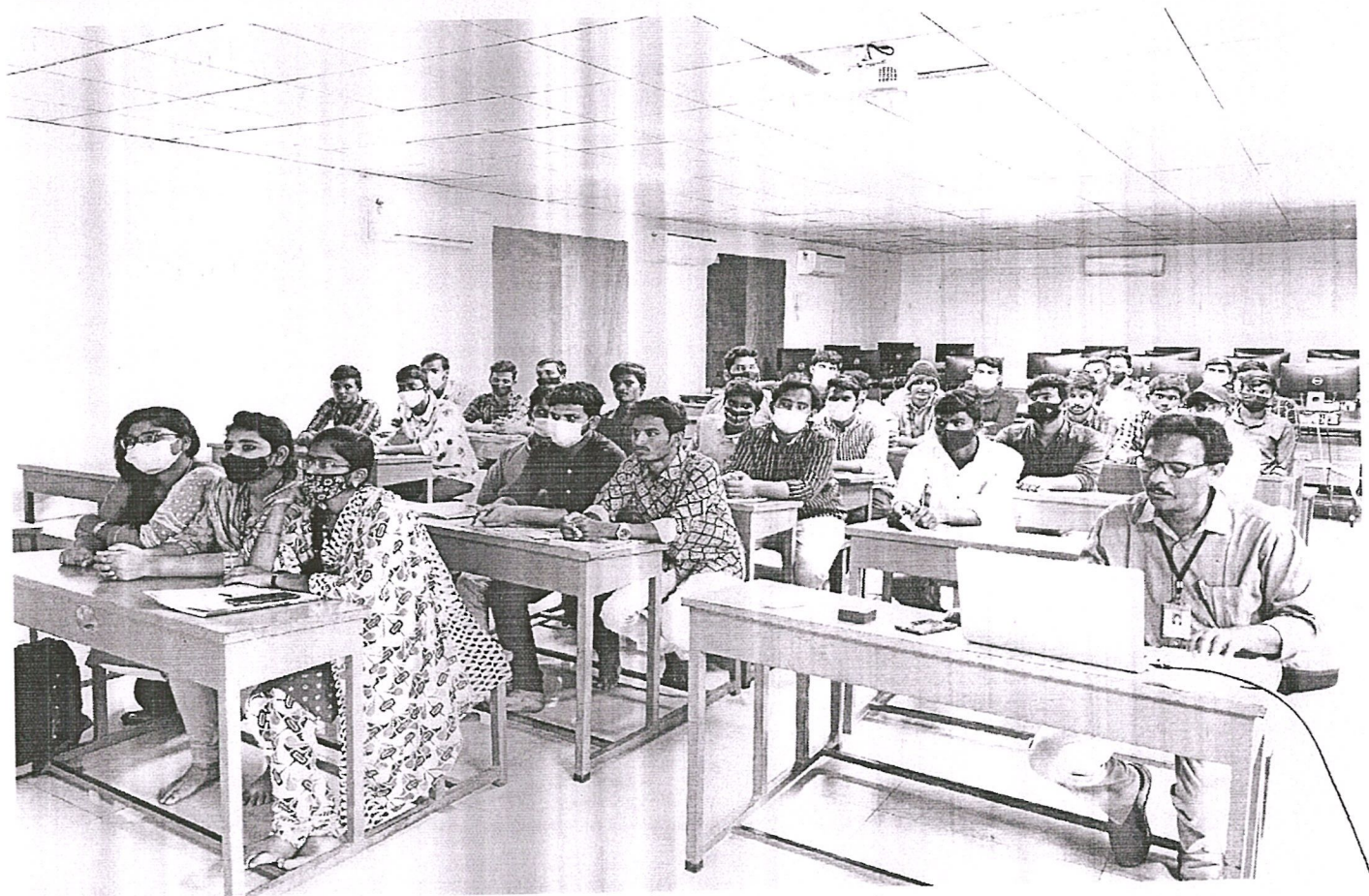
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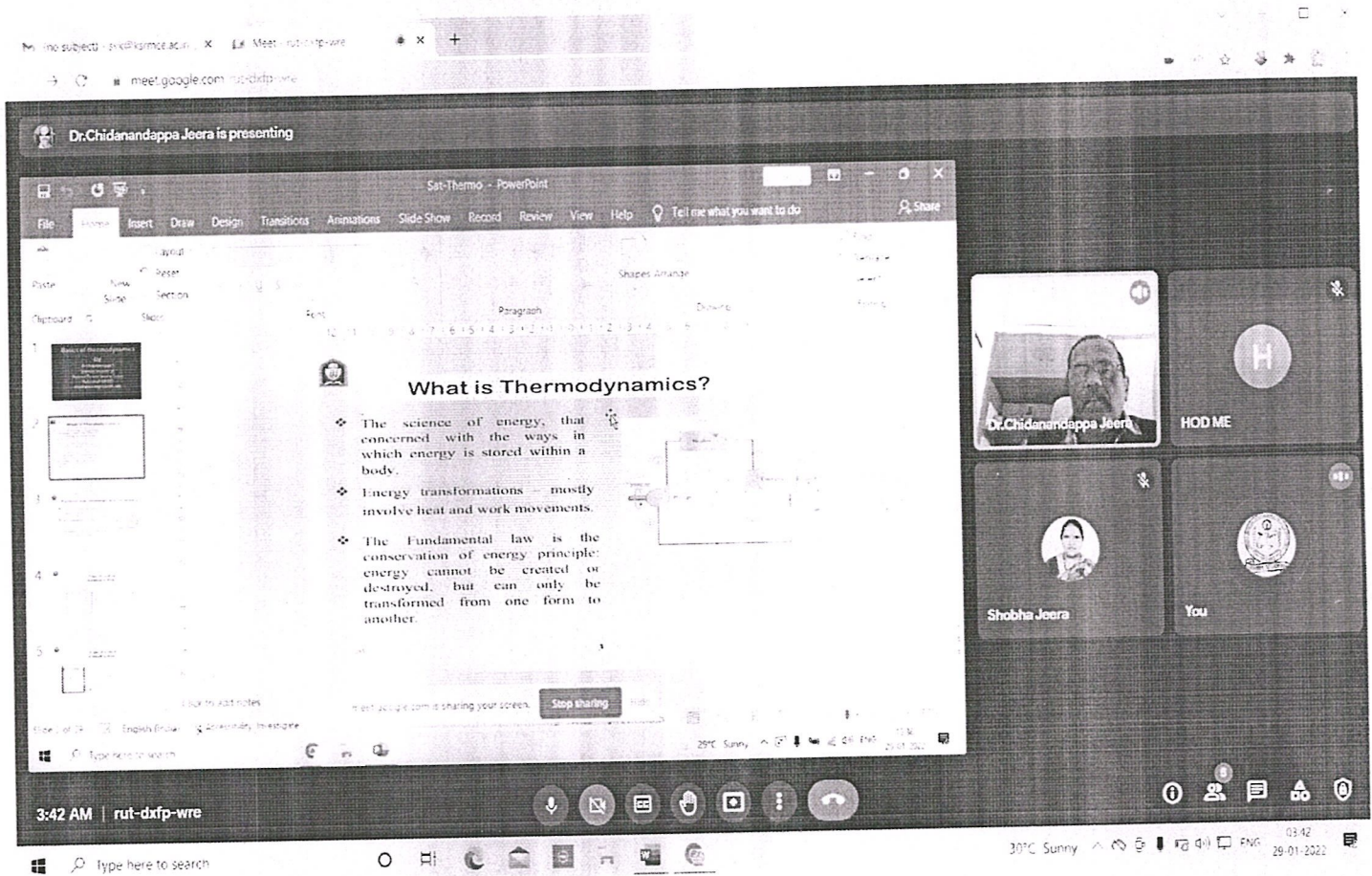
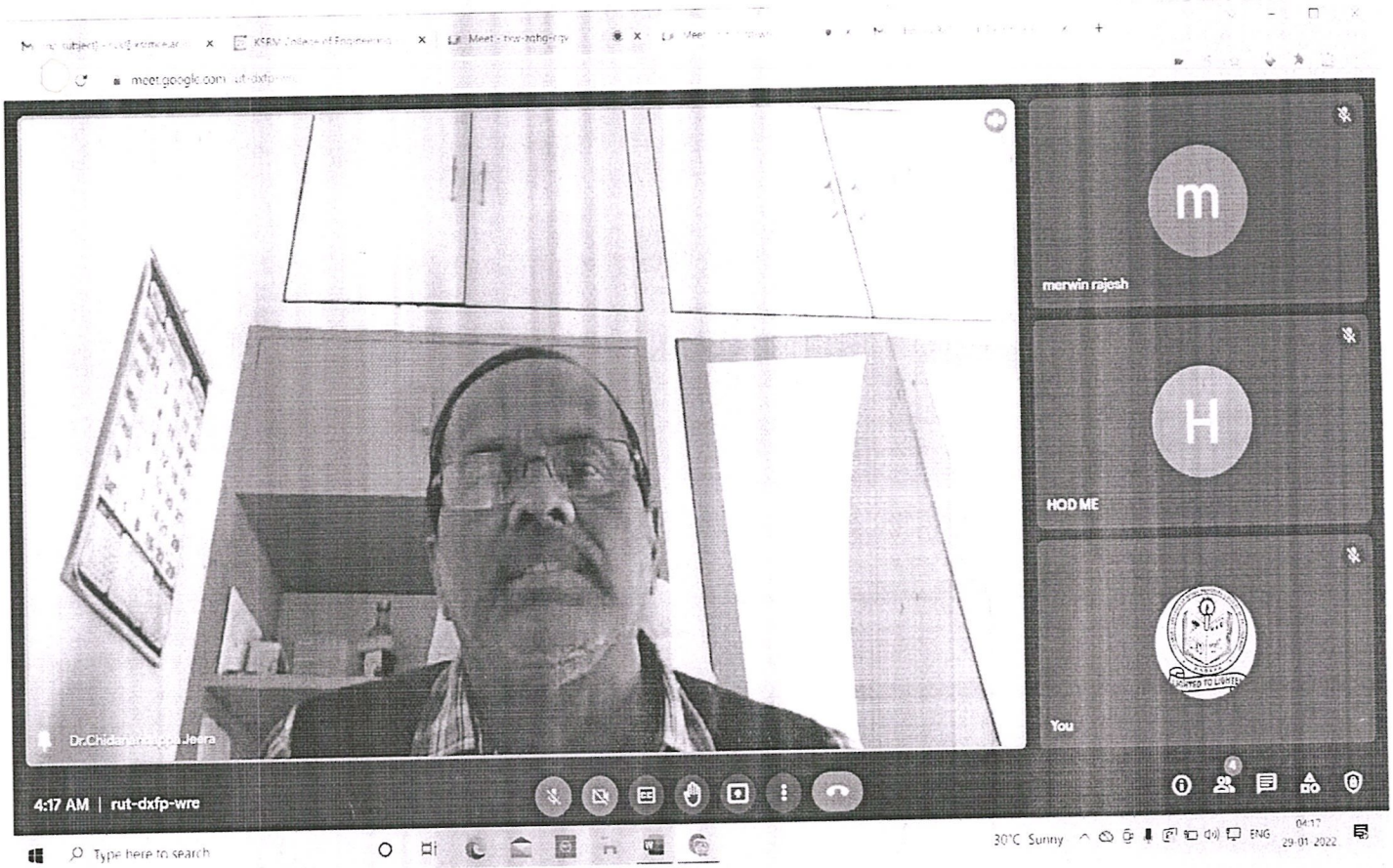
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## ACTIVITY REPORT

Name of the Activity	Guest Lecture	
Type of Activity	A Guest Lecture on "Basics of Thermodynamics"	
Date and Time of Activity	On 29-01-2022	3PM to 4PM
No. of Participants	62	
Target Group	B. tech III Sem Mechanical A & B Section Students	
Resource Persons	Dr J Chidanandappa Scientist-E, NRSE, Hyderabad	
Coordinator	Sri S. Vijaya kumar, Asst.Professor, MED	
Organizing Department	Mechanical Engineering	
Plat Form	on-line	
Venue	Mechanical Engineering Seminar Hall	
Description	<p>A virtual Guest Lecture on "Basics of Thermodynamics" was organized by the Department of Mechanical Engineering, KSRMCE, Kadapa on 29th Jan, 2022 from 2: Pm to 3: pm. The Aim of the Guest lecture was to bring the Basic Knowledge on Thermodynamics science of the relationship between heat, work, temperature, and energy. In broad terms, thermodynamics deals with the transfer of energy from one place to another and from one form to another. The key concept is that heat is a form of energy corresponding to a definite amount of mechanical work. He Delivered the Thermodynamics Laws and Applications in the Mechanical Engineering. The chief guest of the program was Dr J Chidanandappa Scientist-E, NRSE, Hyderabad. He gave lots of information for The Mechanical Engineering Students in Thermal Engineering field. The Principal of K.S.R.MCE Dr. V.S.S. Murthy Garu Advised the students the Technology to Achieve themselves for their betterment in life. Dr.D. Ravikhanth Garu, HOD, coordinator of the Guest Lecture, addressed the students on the importance of Basics in Thermodynamics. The Guest Lecture was successful with the presence of the above dignitaries. over 70 no. of students are participation. The seminar was ended with the vote of thanks by Sri D. Merwin Rajesh Assistant.Proffessor of the program.</p>	

Photos





Dr.Chidanandappa Jeera is presenting

## Zeroth Law of Thermodynamics

"If two bodies are in thermal equilibrium with a third body, there are also in thermal equilibrium with each other."

Two bodies reaching thermal equilibrium after being brought into contact

4:04 AM | rut-dxfp-wre

30°C Sunny

Dr.Chidanandappa Jeera is presenting

## Work done in moving boundary of close system in quasi-static process displacement work

- Force Exerted on piston,  $F = P A$
- Small work done,  $\delta w = F dl$

$$\delta w = P A dl$$

$$\delta w = P dV$$

4:07 AM | rut-dxfp-wre

30°C Sunny

*S. Rajesh*  
Coordinator

*W. J. ...*  
HOD

*V. S. S. Murthy*  
Principal





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Date: 29-01-2022

**Name of the Event** : Guest Lecture on "Basics of Thermodynamics"

**Venue** : Off line Mode in Mechanical Seminar Hall

### List of Participants

SNO	Name	Department	Email Id	Signature
1	A. Thulasi Deepa	Mechanical	209VIA0301@ksrmce.ac.in	A. Thulasi Deepa
2	A. Charan Teja	Mechanical	209VIA0302@ksrmce.ac.in	A. Charan Teja
3	B. Rama Krishna	mechanical	209VIA0303@ksrmce.ac.in	B. Rama Krishna
4	B. Bharath	mechanical	209VIA0304@ksrmce.ac.in	B. Bharath
5	B. Dinesh Kumar	Mechanical	209VIA0305@ksrmce.ac.in	B. Dinesh Kumar
6	C. Dinesh Reddy	Mechanical	209VIA0306@ksrmce.ac.in	C. Dinesh Reddy
7	C. Sekhara	Mechanical	209VIA0307@ksrmce.ac.in	C. Sekhara
8	C. Yaswanth Kumar	Mechanical	209VIA0308@ksrmce.ac.in	C. Yaswanth Kumar
9	C. Srinivasa Reddy	Mechanical	209VIA0309@ksrmce.ac.in	C. Srinivasa Reddy
10	C. Vandana Evangelina	Mechanical	209VIA0310@ksrmce.ac.in	C. Vandana
11	D. Siddiq	Mechanical	209VIA0311@ksrmce.ac.in	D. Siddiq



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12				
13	D.B Sai Kumar	Mechanical	209Y1A0313@ksrmce.ac.in	<del>DB</del>
14	E. Vijaya sena Reddy	Mechanical	209Y1A0314@ksrmce.ac.in	E. Vijaya sena Reddy
15	E. Giridhar kumar	Mechanical	209Y1A0315@ksrmce.ac.in	E. Giridhar kumar
16	G. madhan mahar	mechanical	209Y1A0316@ksrmce.ac.in	G. madhan mahar
17	G.Chenna Guनावardhan Reddy	mechanical	209Y1A0317@ksrmce.ac.in	G.Chenna Guनावardhan Reddy
18	G.Lankeswar Reddy	mechanical	209Y1A0318@ksrmce.ac.in	G.Lankeswar Reddy
19	G. Sree Hari	Mechanical	209Y1A0319@ksrmce.ac.in	G. Sree Hari
20	Yugandhar	Mechanical	209Y1A0320@ksrmce.ac.in	Yugandhar
21	G.Venkata Krishna	Mechanical	209Y1A0321@ksrmce.ac.in	G. Krishna
22	J. xuvvaraju	mechanical	209Y1A0322@ksrmce.ac.in	J. xuvvaraju
23	K.Rajkik Sarma	Mechanical	209Y1A0323@ksrmce.ac.in	K. Sarma
24	K.Ravan Kumar Reddy	Mechanical	209Y1A0324@ksrmce.ac.in	K.Ravan Kumar Reddy
25	K.Naveen	mechanical	209Y1A0325@ksrmce.ac.in	K.Naveen
26	K.Poli Reddy	Mechanical	209Y1A0326@ksrmce.ac.in	K.Poli Reddy
27	K.Venkata Raman Sany	Mechanical	209Y1A0327@ksrmce.ac.in	K.Raman
28	K. Uday	Mechanical	209Y1A0328@ksrmce.ac.in	Uday
29	K. Sunil Kumar	Mechanical	209Y1A0329@ksrmce.ac.in	Sunil
30	K. Naveen Kumar Raju	Mechanical	209Y1A0330@ksrmce.ac.in	Naveen
31	M. Gupivi Reddy	Mechanical	209Y1A0331@ksrmce.ac.in	Gupivi Reddy
32	M. Prakash	mechanical	209Y1A0332@ksrmce.ac.in	M. Prakash
33	M. Ranjith Kumar	Mechanical	209Y1A0333@ksrmce.ac.in	M. Ranjith Kumar
34	M. Sai Deekshith	Mechanical	209Y1A0334@ksrmce.ac.in	M. Deekshith
35	M. Lokeshwar	Mechanical	209Y1A0335@ksrmce.ac.in	M. Lokeshwar
36	M. Masood Khan	Mechanical	209Y1A0336@ksrmce.ac.in	M. Masood Khan
37	M. Krishna Babu	Mech	209Y1A0337@ksrmce.ac.in	M. Krishna Babu
38	M. Naveen Kumar Reddy	mechanical	209Y1A0338@ksrmce.ac.in	M. Naveen Kumar Reddy
39	M. Anil Kumar Reddy	mechanical	209Y1A0339@ksrmce.ac.in	M. Anil Kumar Reddy
40				
41	P. Praneeth Kumar	mechanical	209Y1A0341@ksrmce.ac.in	P. Praneeth Kumar
42	P. Ganeswar Reddy	Mechanical	209Y1A0342@ksrmce.ac.in	P. Ganeswar Reddy
43	P. Anil Reddy	mechanical	209Y1A0343@ksrmce.ac.in	P. Anil Reddy
44	P. Shoaib Khan	mechanical	209Y1A0344@ksrmce.ac.in	P. Shoaib Khan
45	P. Indira Sena Reddy	Mechanical	209Y1A0345@ksrmce.ac.in	P. Indira Sena Reddy



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47	P. Anil Kumar	Mechanical	20941A0347@ksrmce.ac.in	P. Anil Kumar
48	P. Narayana	Mechanical	20941A0348@ksrmce.ac.in	P. Narayana
49	P. Mahadeva Reddy	Mechanical	20941A0349@ksrmce.ac.in	P. Mahadeva
50	R. Vallabh	mechanical	20941A0350@ksrmce.ac.in	R. Vallabh
51	S. Bharu prakash	mechanical	20941A0351@ksrmce.ac.in	S. Bharu
52	Abubaker siddiq	mechanical	20941A0352@ksrmce.ac.in	Abubaker siddiq
53	S. Masood Ahmed	Mechanical	20941A0353@ksrmce.ac.in	S. Masood Ahmed
54	UMAY	MECH	20941A0354@ksrmce.ac.in	UMAY
55	S. Moula Khalid	Mechanical	20941A0355@ksrmce.ac.in	S. Moula Khalid
56	S. Rasool	mechanical	20941A0356@ksrmce.ac.in	S. Rasool
57	S. Sadiq Ali	Mechanical	20941A0357@ksrmce.ac.in	S. Sadiq Ali
58	G. Madhava	Mechanical	20941A0358@ksrmce.ac.in	S. Madhava
59	S. Mohammed	mechanical	20941A0359@ksrmce.ac.in	S. Mohammed
60	S. Sohail	Mechanical	20941A0360@ksrmce.ac.in	S. Sohail
61	S. Waseem	Mechanical	20941A0361@ksrmce.ac.in	S. Waseem
62	Virekata Siva Sai Bhavani	Mechanical	20941A0362@ksrmce.ac.in	V. Bhavani
63	V. Naga Gokul	Mechanical	20941A0363@ksrmce.ac.in	V. Naga Gokul
64	V. Akhil Kumar	mechanical	20941A0364@ksrmce.ac.in	V. Akhil
65	V. Adi Keshava Reddy	Mechanical	20941A0365@ksrmce.ac.in	V. Adi Keshava Reddy
66	Y. Mahesh	mechanical	20941A0366@ksrmce.ac.in	Y. Mahesh
67	Y. Mohana Sree	MECH	20941A0367@ksrmce.ac.in	Y. Mohana Sree

  
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**Department of Mechanical Engineering**  
**Feedback form on Virtual Guest Lecture on Basics of Thermodynamics**

S.NO	Roll No	Name of the Student	Name of the College/Institution	Is the Guest Lecture Met your Expectation	How would you Rate the content of Guest Lecture	IS Speaker Lecture Clear and Understanding
1	209Y1A0301	A. Thulasi Deepa	KSRM college of Engineering	Strongly Agree	Excellent	Yes
2	209Y1A0302	A. Charan Teja	KSRM college of Engineering	Strongly Agree	Excellent	Yes
3	209Y1A0303	B. Rama krishna	KSRM college of Engineering	Strongly Agree	Excellent	Yes
4	209Y1A0304	B. Bharathu	KSRM college of Engineering	Strongly Agree	Excellent	Yes
5	209Y1A0305	B. Dinesh Kumar	KSRMCE	Agree	OK	Yes
6	209Y1A0306	C. Dinesh Reddy.	KSRM college of Engineering	Strongly Agree	Excellent	Yes
7	209Y1A0307	C. Sekhar	K.S.R.M.C.E	Strongly Agree	Good	Yes.
8	209Y1A0308	C. yaswanth kumar	KSRM college of Engineering	Strongly Agree	Good	Yes.
9	209Y1A0309	C. Prindivasa Reddy	KSRM college of Engineering	Strongly Agree	Good	Yes
10	209Y1A0310	C. Vandana Evangelina	KSRM college of Engineering	Strongly Agree	Good.	Yes
11	209Y1A0311	D. Siddig	KSRM college of Engineering	Strongly Agree	Good	Yes.
12	209Y1A0312	D. Vanisethar Reddy	KSRM college of Engineering	Strongly Agree	Excellent	Yes
13	209Y1A0313	D. B. Sai Kumar Yashwanth	KSRM college of Engineering	Agree	OK	Yes
14	209Y1A0314	E. Vijaya Sena Reddy	K.S.R.M.C.E	Strongly agree	Excellent	Yes
15	209Y1A0315	E. GIRIDHAR KUMAR	K.S.R.M.C.E	Agree	Good	Yes
16	209Y1A0316	G. madhan mohan	K.S.R.M.C.E	Strongly Agree	Good	Yes
17	209Y1A0317	G. Chenna Gunavardhan Reddy	K.S.R.M.C.E	Agree	Good	Yes
18	209Y1A0318	G. Lankeswar Reddy	K.S.R.M.C.E	Agree	Good	Yes
19	209Y1A0319	G. Kantalala Preethi	K.S.R.M.C.E	Agree	Good	Yes
20	209Y1A0320	G. Yugandhar chowdary	KSRM CE	Agree	Excellent	Yes
21	209Y1A0321	G. Venkata Krishna	KSRM CE	Strongly agree	OK	Yes
22	209Y1A0322	J. yuvrajju	K.S.R.M.C.E	Strongly Agree	Good	Yes


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**Department of Mechanical Engineering**  
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23	209Y1A0323	K. Bandish Sarma	KSRMCE	Strongly Agree	Good	Yes
24	209Y1A0324	K. Pavan Kumar Reddy	K.S.R.M.C.E	strongly Agree	Excellent	Yes
25	209Y1A0325	K. Alaveen	K.S.R.M.C.E	Strongly Agree	Excellent	Yes
26	209Y1A0326	K. Poibetty	KSRMCE	strongly Agree	Good	Yes
27	209Y1A0327	K. Venkat Pavan Janaj.	K.S.R.M of engineering	strongly Agree	Good	Yes
28	209Y1A0328	K. Yday Kumar Reddy	K.S.R.M. Engineering	Agree	Excellent	Yes
29	209Y1A0329	K. Sunil Kumar	K.S.R.M.C.E	Strongly Agree	Good	Yes
30	209Y1A0330	K. Praveen Kumar Raju	K.S.R.M of Engineering	strongly Agree	Good	Yes
31	209Y1A0331	M. Gurivi Reddy	KSR.M.C of Engineering	Strong Agree	Good	Yes
32	209Y1A0332	M. Prakash	KSRME of Engineering	Strong Agree	Good	Yes
33	209Y1A0333	M. Hanjith Kumar	KSRMC of Engineering	Strong Agree	Good	Yes
34	209Y1A0334	M. Beckisth	KSRM College	strongly Agree	Good	Yes
35	209Y1A0335	M. Lokeshwar	K.S.R.M.C.E	Strongly Agree	Good	Yes
36	209Y1A0336	M. Masood Khan	K.S.R.M.C.E	Agree	Good	Yes
37	209Y1A0337	M. Kumpakar Raju	KSRMCE	Agree	Excellent	Yes
38	209Y1A0338	M. Naveen Kumar Reddy	K.S.R.M.C.E	Agree	Good	Yes
39	209Y1A0339	M. Anil Kumar Reddy	K.S.R.M.C.E	Agree	Good	Yes
40						
41	P. Prasad Kumar	209Y1A0341	K.S.R.M. of Engi	strongly Agree	Good	Yes
42	209Y1A0342	P. Ganeswar Reddy	KSRMCE	strongly Agree	Good	Yes
43	209Y1A0343	P. Rami Reddy	KSRMC of engi	strongly Agree	Good	Yes

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**Department of Mechanical Engineering**  
**Feedback form on Virtual Guest Lecture on Basics of Thermodynamics**

S.NO	Roll No	Name of the Student	Name of the College/Institution	Is the Guest Lecture Met your Expectation	How would you Rate the content of Guest Lecture	IS Speaker Lecture Clear and Understanding
	209Y1A0344					
44	<del>P. Shoab Khan</del>	P. Shoab Khan	K.S.R.M City of Eng	Strongly Agree	Excellent	Yes
45	209Y1A0345	P. Indrasena Reddy	K.S.R.M college of engg	strongly agree	excellent	Yes
46	209Y1A0346	P. Obula Vamsidhar	K.S.R.M college of Engg	Strongly Agree	Excellent	Yes
47	209Y1A0347	P. Anil Kumar	K.S.R.M college of Engg	strongly Agree	excellent	Yes
48	209Y1A0348	P. Narayana	K.S.R.M college of Engg	strongly Agree	Excellent	Yes
49	209Y1A0349	P. Mahadeva Reddy	K.S.R.M college of Engg	Strongly Agree	Excellent	Yes
50	209Y1A0350	R. Valeedh	K.S.R.M college of Engg	Strongly Agree	Excellent	Yes
51	209Y1A0351	S. Bharu Prakash	K.S.R.M college of Engg	strongly agree	good	Yes
52	209Y1A0352	Abubakar Siddik	K.S.R.M college of Engg	Strongly agree	Good	Yes
53	209Y1A0353	S. Masood Ahmed.	K.S.R.M CE	Agree	excellent	Yes
54	209Y1A0354	S. Mohammed Umar	K.S.R.M CE	Strongly agree	Excellent	Yes
55	209Y1A0355	P. Moula Khalid	K.S.R.M CE	Strongly agree	Excellent	Yes
56	209Y1A0356	S. Rasool	K.S.R.M CE	Strongly agree	Excellent	Yes
57	209Y1A0357	S. Saif Ali	K.S.R.M CE	Strongly agree	Excellent	Yes
58	209Y1A0358	S. Madhava	K.S.R.M college of Engg	Strongly Agree	Good	Yes
59	209Y1A0359	P. Mohammad	K.S.R.M CE	Agree	Good	Yes
60	209Y1A0360	S. Sohail	K.S.R.M college	Strongly Agree	Good	Yes
61	209Y1A0361	S. Waseem	K.S.R.M college of Engg	Strongly Agree	Good	Yes
62	209Y1A0362	S. P. Bharath	K.S.R.M CE	Strongly Agree	Good	Yes

  
**COORDINATOR**

  
**HOD**

**HOD**  
  
**PRINCIPAL**