



## K J's Educational Institute

### K J College of Engineering and Management Research

S.N. 25 & 27, Near Khadi Machine Chowk, Kondhwa Annex, Pune-411048

Website: [www.kjei.edu.in/kjcoemr](http://www.kjei.edu.in/kjcoemr)

### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -01 , Topic – Inaugration & Keynote speech	
<b>Program Expert:</b>		Dr. N.S.Mujumdar	
<b>Date:</b>	<b>26/09/2022</b>	<b>Time</b>	10.00 am to 12.00 noon
<b>Venue:</b>		KJCOEMR, PUNE	

#### About program:

K J College of Engineering and Management Research, Pune organized **One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science & Engineering"**. Day – 01 1<sup>st</sup> Day STTP on 26<sup>th</sup> September 2022, with Dr. N.S.Mujumdar as the speaker, on the topic of **Applications of Mathematical Modeling in Science & Engineering**. He explained all types of **Mathematical Modeling in Science & Engineering**. And also explained different types very nicely and also solved the quarries of faculties regarding Health. Program was beneficial for faculties and the total views of the program were 190. Program is well organized and appreciated by faculties.

## Program Event Photos:





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### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -01 , Topic – Basics of Mathematical Modeling in Engineering.	
<b>Program Expert:</b>		Dr. Jatin Majithia	
<b>Date:</b>	<b>26/09/2022</b>	<b>Time</b>	2.00 pm to 4.00 pm
<b>Venue:</b>		KJCOEMR, PUNE	

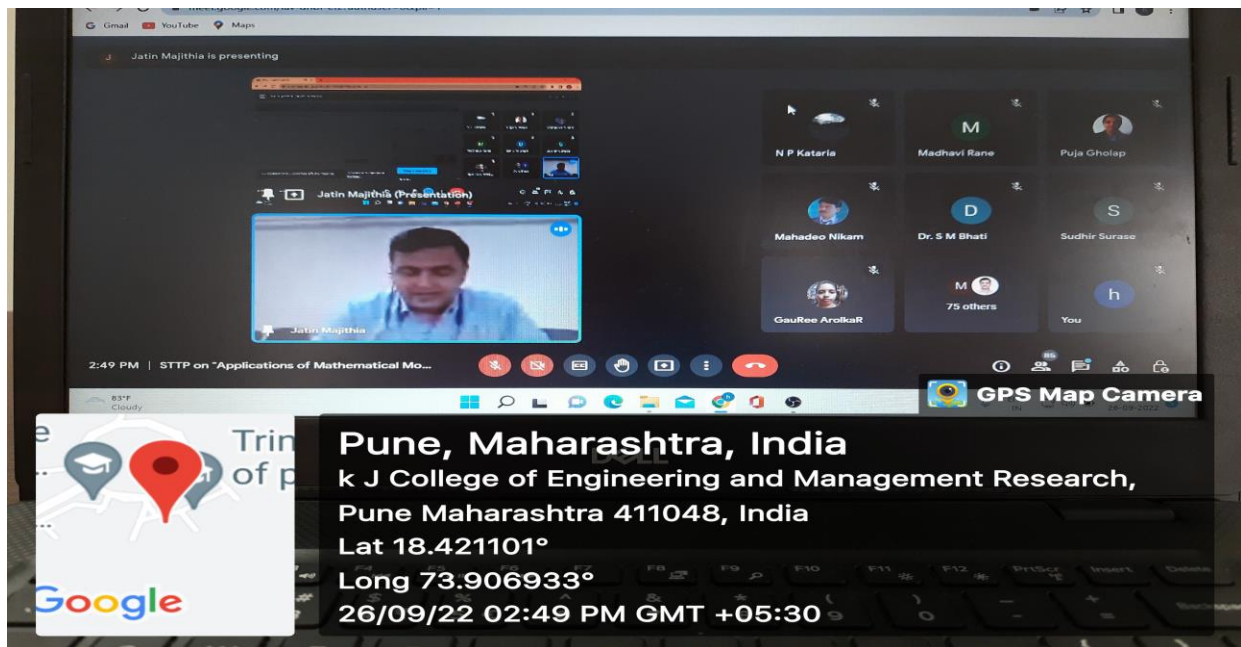
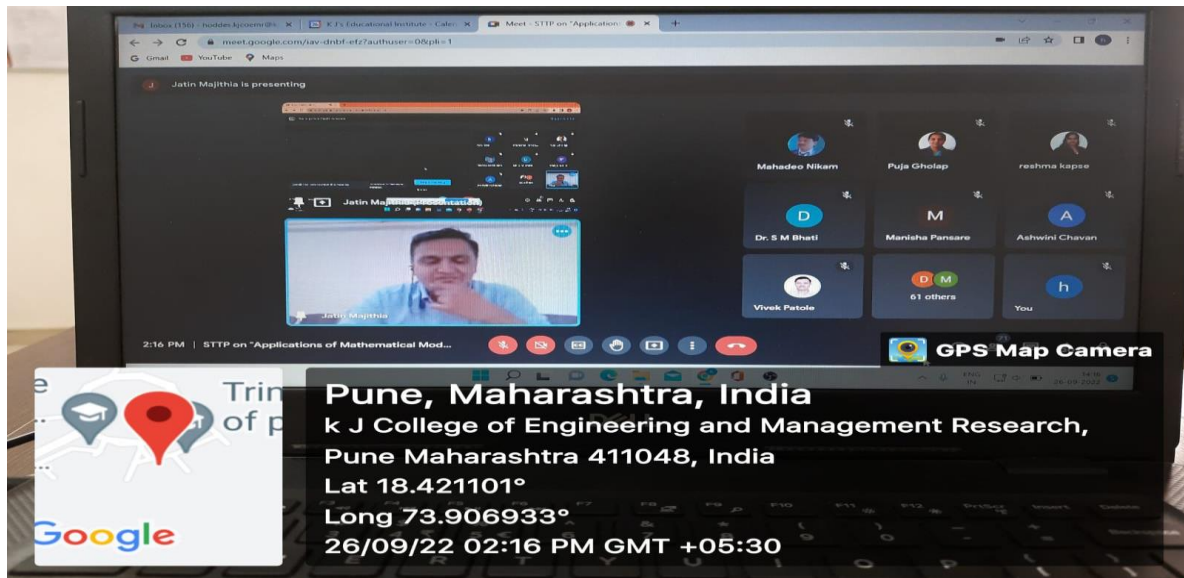
#### About program:

##### Day – 01

1<sup>st</sup> Day of Session – 02, STTP on 26<sup>th</sup> September 2022, with Dr. Jatin Majithia as the speaker, on the topic Basics of Mathematical Modeling in Engineering Applications , sir explained all types of methods in modeling .And also solved the quarries of faculties regarding Mathematical modeling.

Program was beneficial for faculties and the total views of the program were 185. Program is well organized and appreciated by faculties.

## Program Event Photos:





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### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -02 , Topic – Applications of Mathematical Modeling using Linear Algebra.	
<b>Program Expert:</b>		Prof. Vishnu Tanpure	
<b>Date:</b>	<b>27/09/2022</b>	<b>Time</b>	10.00 am to 12.00 noon
<b>Venue:</b>		KJCOEMR, PUNE	

#### About program:

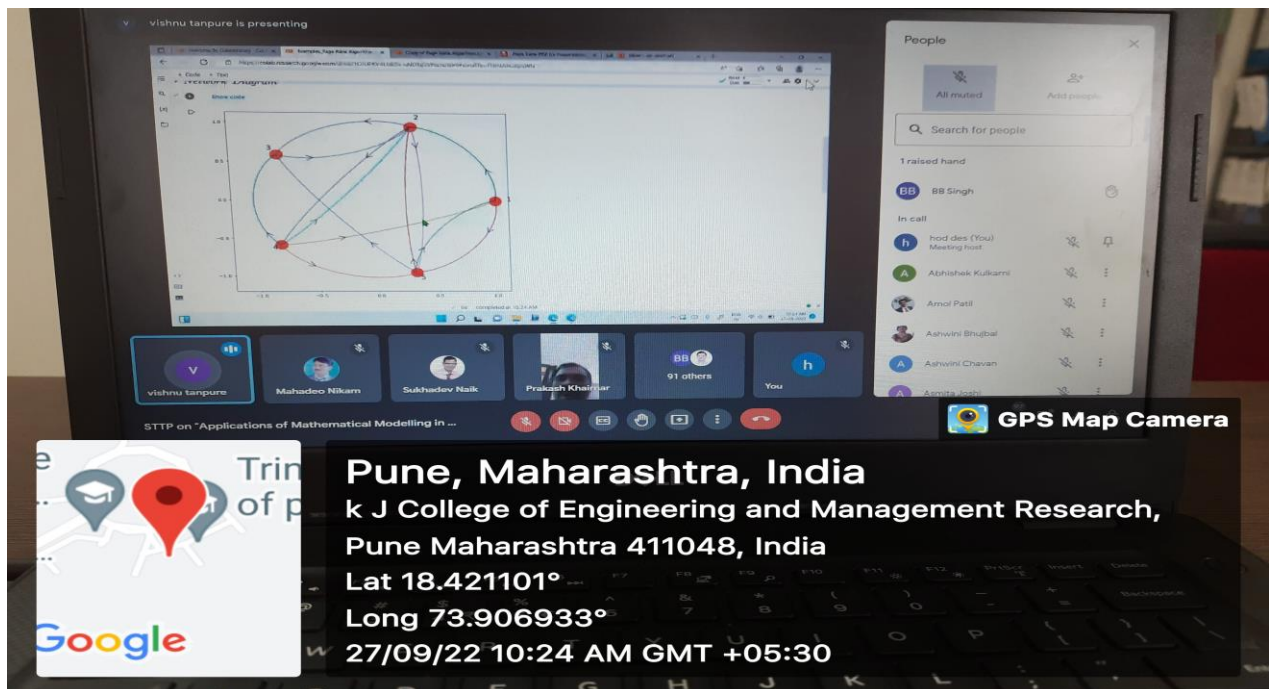
##### Day -02

2<sup>nd</sup> Day STTP of First session on 27<sup>th</sup> September 2022, with Prof. Vishnu Tanpure as the speaker, on the topic of Applications of Mathematical Modeling using Linear Algebra.. He gave the information about Linear Algebra. And also solved the queries of faculties regarding Mathematical Modeling using Linear Algebra.

Program was beneficial for faculties and the total views of the program were 121. Program is well organized and appreciated by faculties.



## Program Event Photos:





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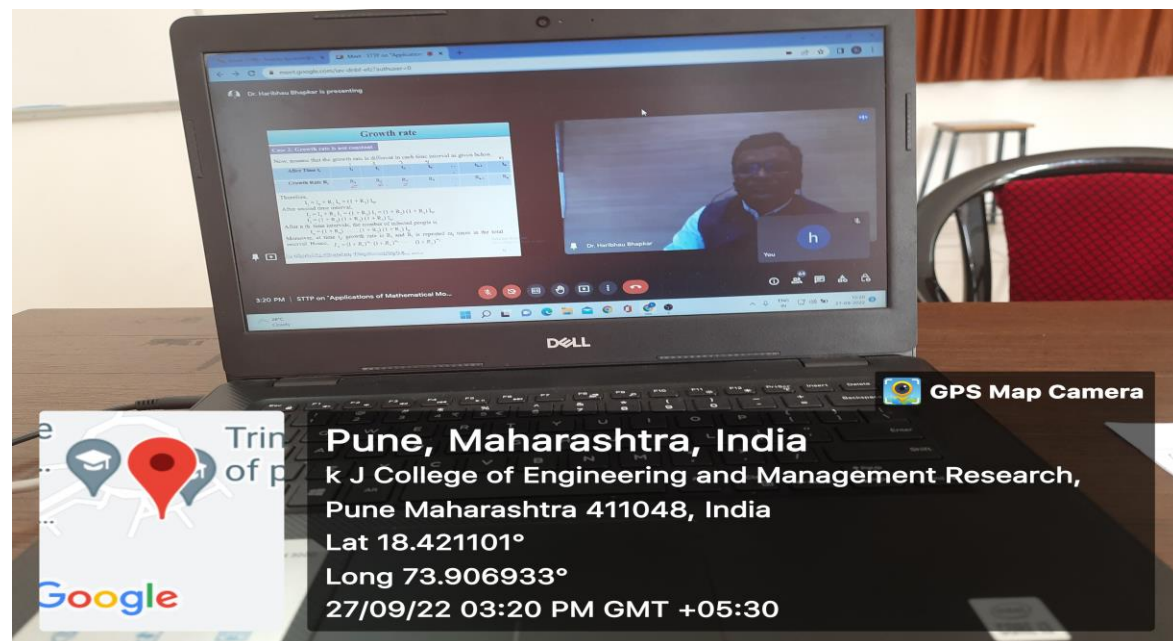
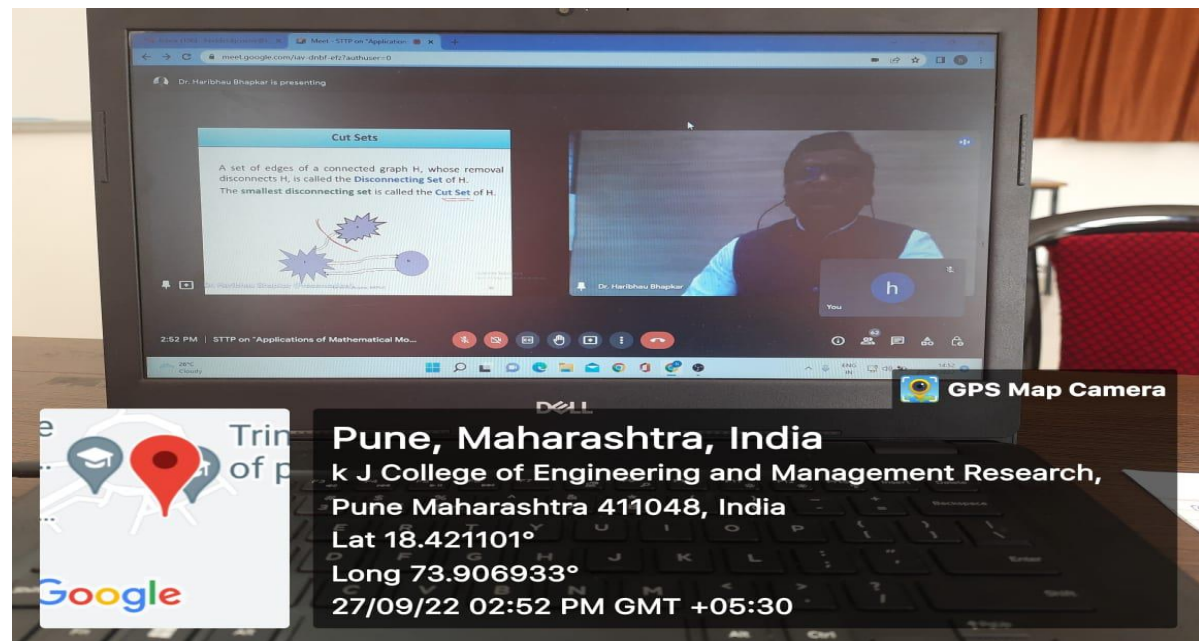
### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -02 , Topic – Importance of Mathematical Modeling to prevent Pandemic (COVID-19) with case studies.	
<b>Program Expert:</b>		Dr. H.R.Bhapkar	
<b>Date:</b>	<b>27/09/2022</b>	<b>Time</b>	2.00 pm to 4.00 pm
<b>Venue:</b>		KJCOEMR, PUNE	

#### Day -02

2<sup>nd</sup> Day STTP of second session on 27<sup>th</sup> September 2022, with Dr. H.R.Bhapkar as the speaker, on the topic of Importance of Mathematical Modeling to prevent Pandemic (COVID-19) with case studies. He gave the information about Mathematical Modeling to prevent Pandemic (COVID-19). And also solved the queries of faculties regarding Mathematical Modeling.

Program was beneficial for faculties and the total views of the program were 121. Program is well organized and appreciated by faculties.







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### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b>	
		Day -03 , Topic – Mathematical Modeling in Science	
<b>Program Expert:</b>		Dr. Shrikaant Kulkarni	
<b>Date:</b>	<b>28/09/2022</b>	<b>Time</b>	10.00 am to 12.00 noon
<b>Venue:</b>		KJCOEMR, PUNE	

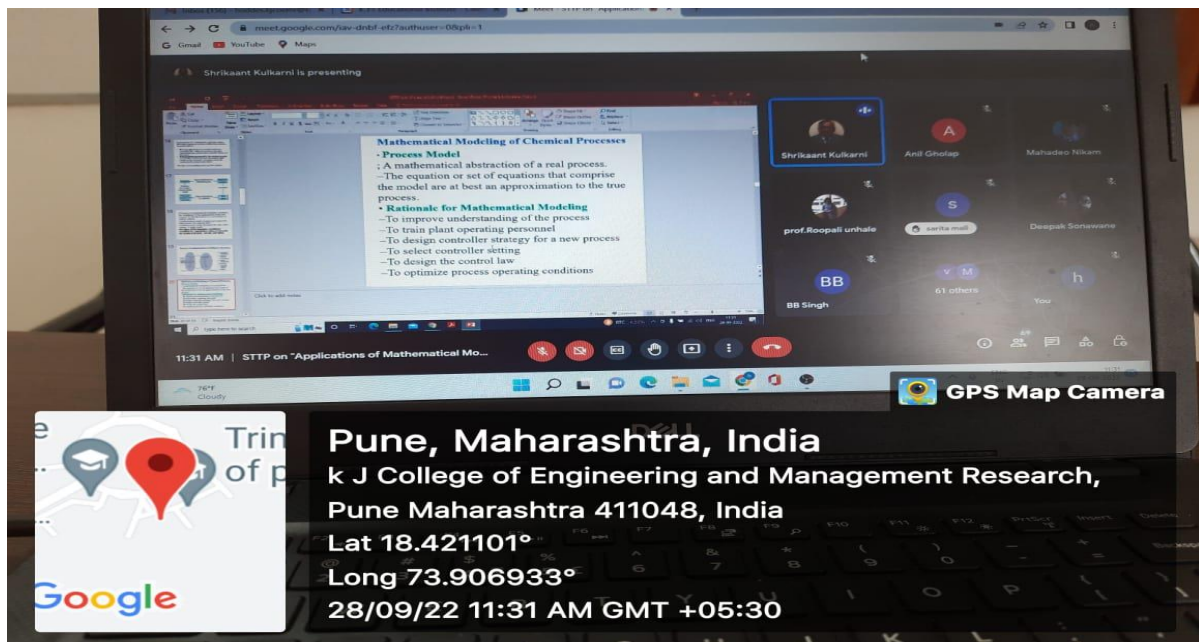
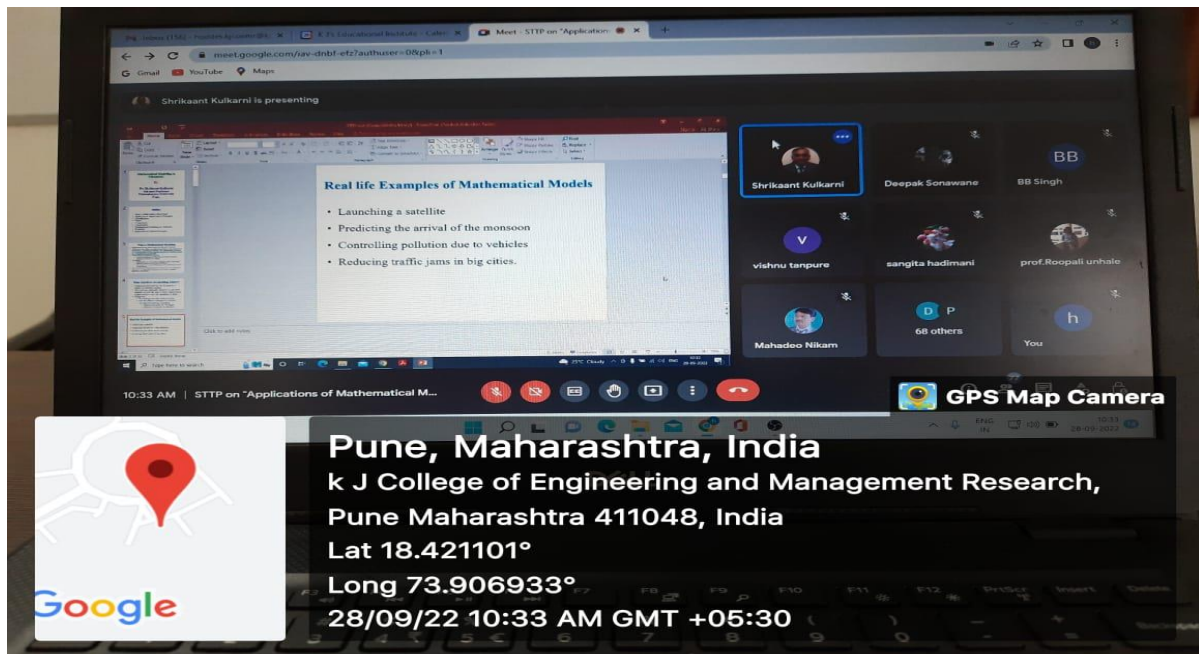
#### About program:

##### Day -03

3<sup>rd</sup> Day STTP of first session on 28<sup>th</sup> September 2022, with Dr. Shrikaant Kulkarni as the speaker, on the topic of Mathematical Modeling in Science. He explained this topic very effectively and step by step. And also solved the queries of faculties regarding Mathematical Modeling in Science

Program was beneficial for faculties and the total views of the program were 123. Program is well organized and appreciated by faculties.

## Program Event Photos:





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### **Activity Report**

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -03 , Topic – Mathematical Modeling in Fluid Mechanics	
<b>Program Expert:</b>		Dr. B.B.Singh	
<b>Date:</b>	<b>28/09/2022</b>	<b>Time</b>	2.00 pm to 4.00 pm
<b>Venue:</b>		KJCOEMR, PUNE	

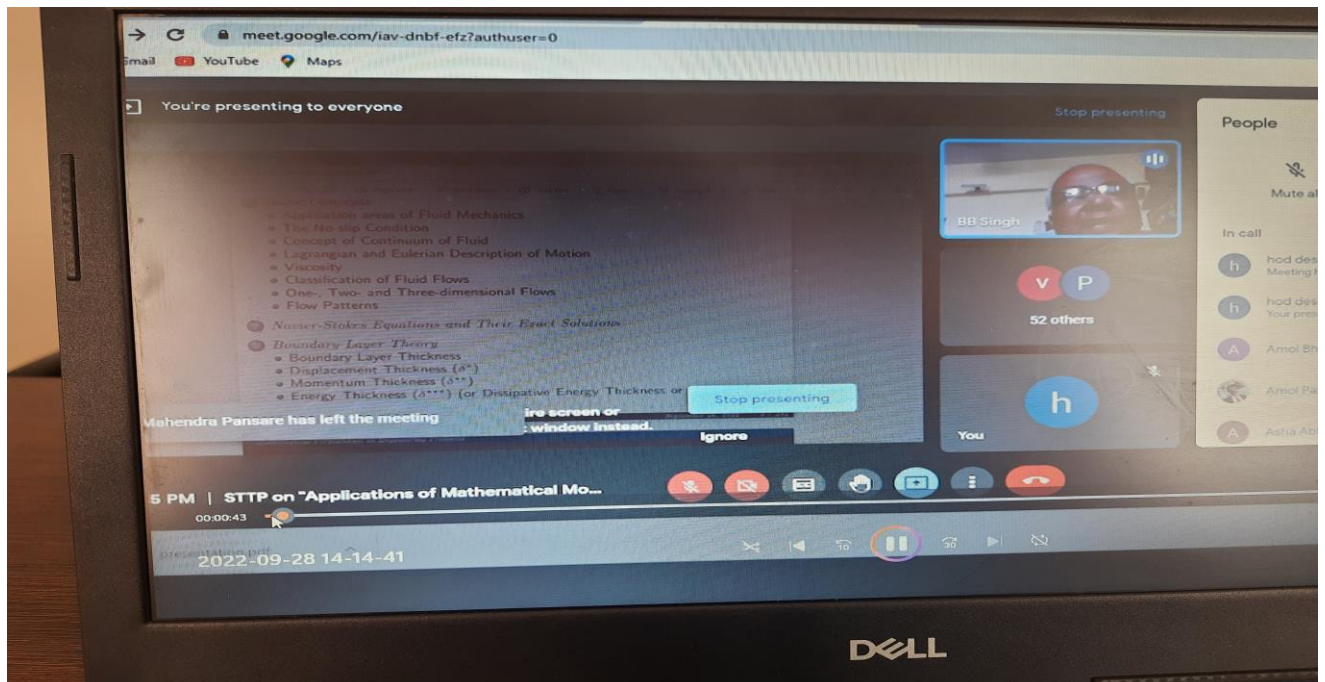
#### **About program:**

##### **Day -03**

3<sup>rd</sup> Day STTP of second session on 28<sup>th</sup> September 2022, with Dr. B.B.Singh as the speaker, on the topic of Mathematical Modeling in Fluid Mechanics. He gave the information about Modeling in Fluid Mechanics. And also solved the queries of faculties regarding Modeling in Fluid Mechanics.

Program was beneficial for faculties and the total views of the program were 132. Program is well organized and appreciated by faculties.

The image shows a Dell laptop screen displaying a Google Meet session. The main window shows a presentation slide titled "STTP on Applications of Mathematical Mo..." with a "Stop presenting" button. The slide content includes the name "Dr. B. B. Singh" and the date "September 26, 2022". A message at the bottom of the slide reads: "To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead." The right sidebar shows a list of participants under the heading "People", including "BB Singh" (Meeting host) and "52 others". The bottom status bar indicates the time is 4 PM and the presentation title is "STTP on Applications of Mathematical Mo...". The Dell logo is visible on the laptop bezel.





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### **Activity Report**

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -04 , Topic – Stochastic Modelling	
<b>Program Expert:</b>		Prof. M. S. Kasture	
<b>Date:</b>	<b>29/09/2022</b>	<b>Time</b>	10.00 am to 12.00 noon
<b>Venue:</b>		KJCOEMR, PUNE	

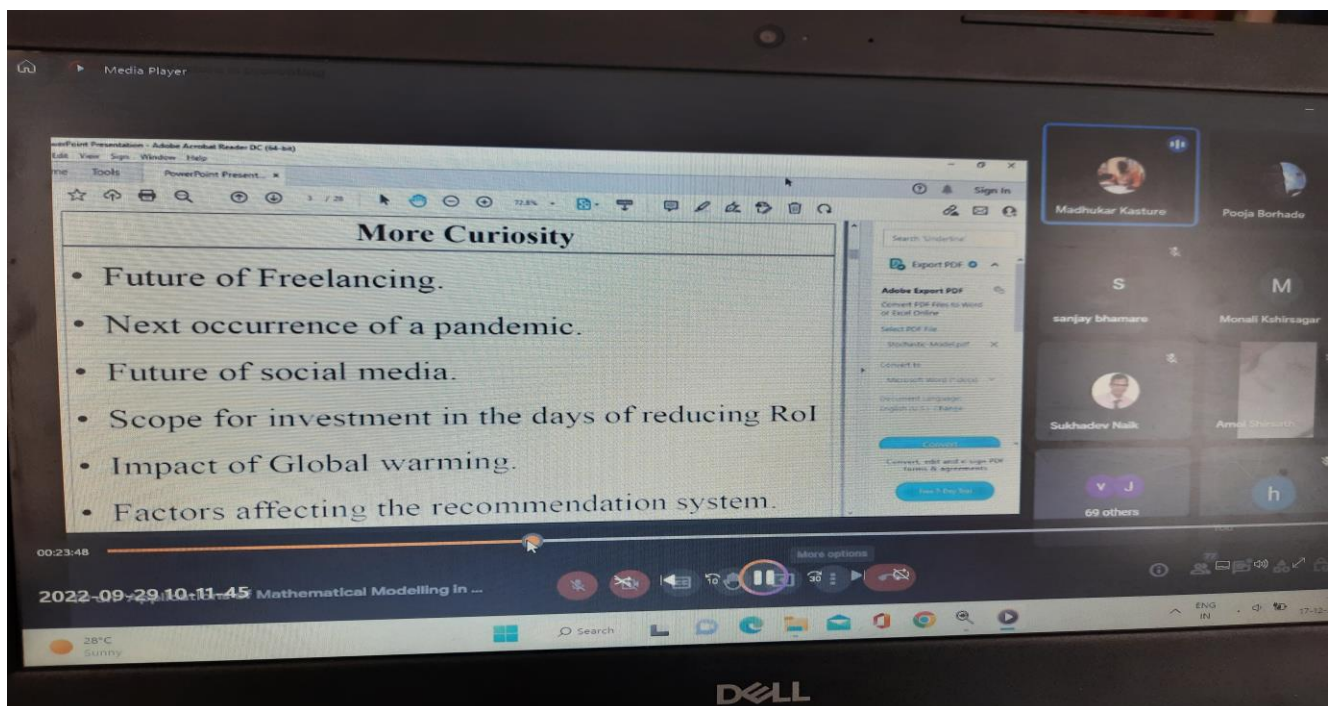
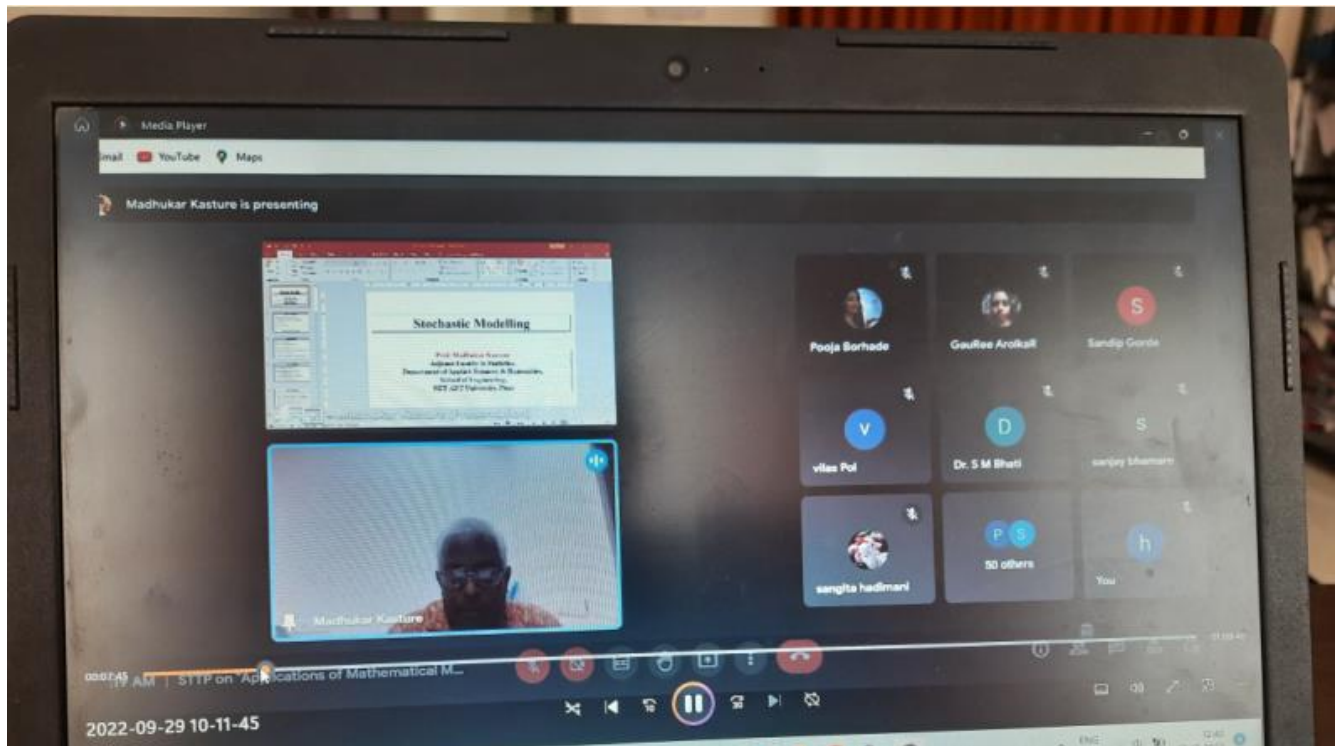
#### **About program:**

##### **Day -04**

4<sup>th</sup> Day STTP of first session on 29<sup>th</sup> September 2022, with Prof. M. S. Kasture as the speaker, on the topic of Stochastic Modelling .He elaborates the topic of Stochastic Modelling very effectively. And also solved the quarries of faculties regarding Stochastic Modelling. Program was beneficial for faculties and the total views of the program were 121. Program is well organized and appreciated by faculties.



## Program Event Photos:





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### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -04 , Topic – Mathematical Modeling Simulation on Different Applications	
<b>Program Expert:</b>		Dr. Vijayalaxmi Murli	
<b>Date:</b>	<b>29/09/2022</b>	<b>Time</b>	2.00 pm to 4.00 pm
<b>Venue:</b>		KJCOEMR, PUNE	

#### About program:

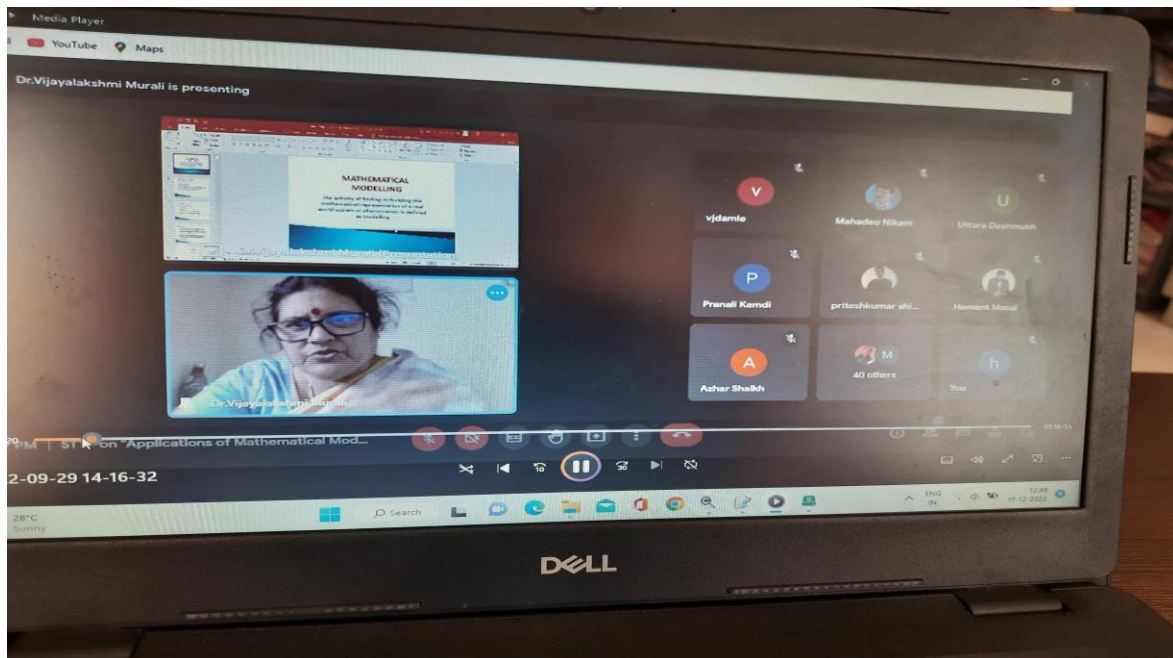
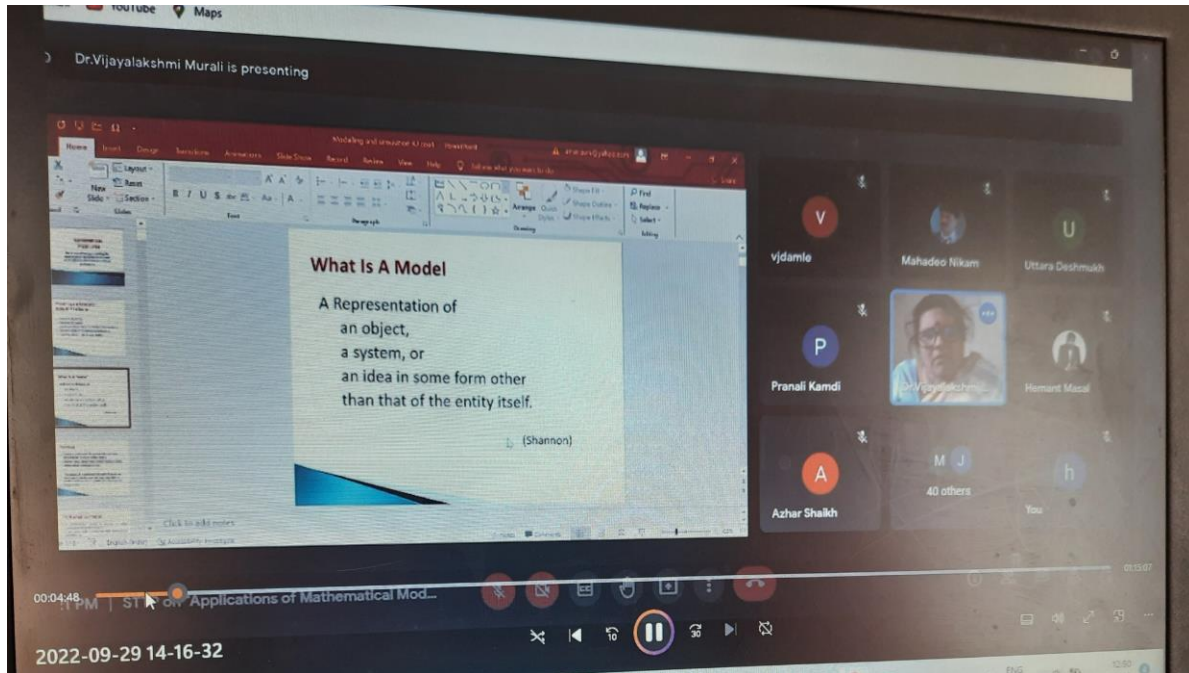
##### Day -04

4<sup>th</sup> Day STTP of second session on 29<sup>th</sup> September 2022, with Dr. Vijayalaxmi Murali as the speaker, on the topic of Mathematical Modeling Simulation on Different. Applications. She gave the information about Mathematical Modeling Simulation on Different Applications. And also solved the queries of faculties regarding Mathematical Modeling Simulation on Different Application.

Program was beneficial for faculties and the total views of the program were 132.

Program is well organized and appreciated by faculties.

## Program Event Photos:





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### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -05 , Topic – A pragmatic Approach to Design Thinking in Mathematics (CGPA Case Study)	
<b>Program Expert:</b>		Dr. H.R.Bhapkar	
<b>Date:</b>	<b>30/09/2022</b>	<b>Time</b>	10.00 pm to 12.00 noon
<b>Venue:</b>		KJCOEMR, PUNE	

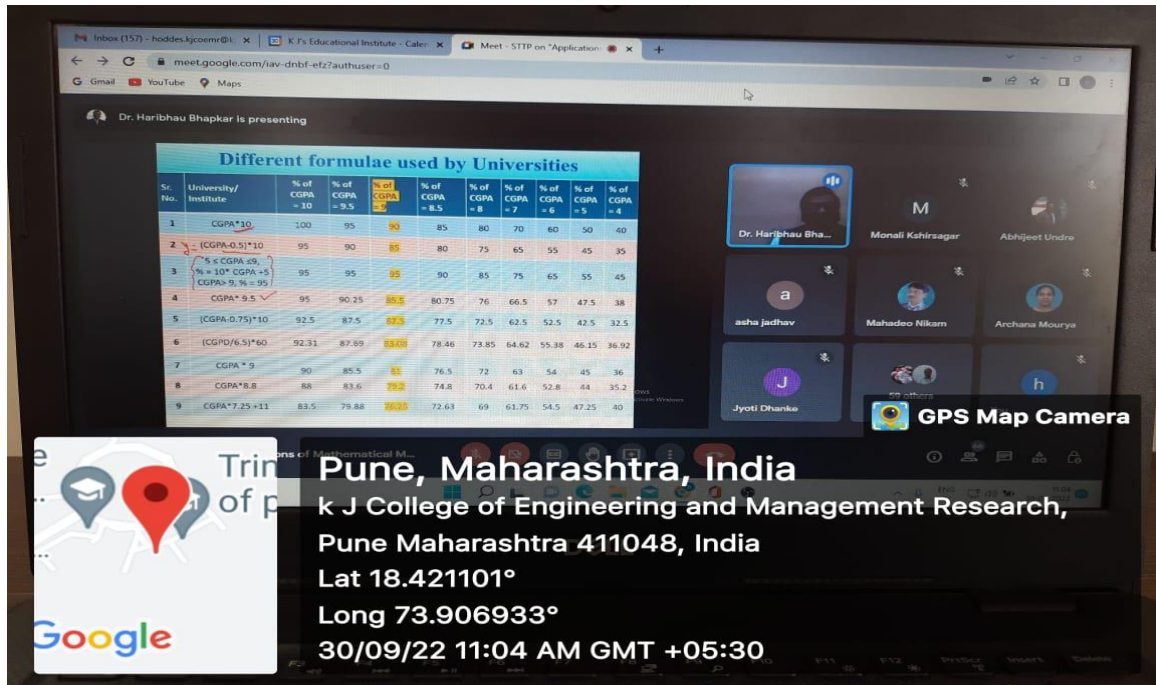
### About program:

#### Day -05

5<sup>th</sup> Day STTP of first session on 29<sup>th</sup> September 2022, with Dr. H.R.Bhapkar as the speaker, on the topic of A pragmatic Approach to Design Thinking in Mathematics (CGPA Case Study). Applications .He gave the information about A pragmatic Approach to Design Thinking in Mathematics (CGPA Case Study). And also solved the queries of faculties regarding A pragmatic Approach to Design Thinking in Mathematics (CGPA Case Study). Program was beneficial for faculties and the total views of the program were 132. Program is well organized and appreciated by faculties.



## Program Event Photos:



Dr. Haribhau Bhapkar is presenting

### Different formulae used by Universities

Sl. No.	University/Institute	% of CGPA > 10	% of CGPA > 9.5	% of CGPA > 9	% of CGPA > 8.5	% of CGPA > 8	% of CGPA > 7	% of CGPA > 6	% of CGPA > 5	% of CGPA > 4
1	CGPA*10	100	95	90	85	80	70	60	50	40
2	(CGPA-0.5)*10	95	90	85	80	75	65	55	45	35
3	5 * CGPA < 9, % = 10 * CGPA + 5 CGPA > 9, % = 95	95	95	95	90	85	75	65	55	45
4	CGPA*9.5	95	90.25	85.5	80.75	76	66.5	57	47.5	38
5	CGPA*0.75*10	92.5	87.5	82.5	77.5	72.5	62.5	52.5	42.5	32.5
6	CGPD/6.5*60	92.31	87.69	83.08	78.46	73.85	64.62	55.38	46.15	36.92
7	CGPA*9	90	85.5	81	76.5	72	63	54	45	36
8	CGPA*8.8	88	83.6	79.2	74.8	70.4	61.6	52.8	44	35.2
9	CGPA*7.25+11	83.5	78.88	74.25	69.63	65	56.25	47.5	38.75	30

Participants: Dr. Haribhau Bha..., Monali Khirsagar, Abhijeet Undre, asha jadhav, Mahadeo Nikam, Archana Mourya, Jyoti Dhanke

GPS Map Camera

Pune, Maharashtra, India  
 k J College of Engineering and Management Research,  
 Pune Maharashtra 411048, India  
 Lat 18.421101°  
 Long 73.906933°  
 30/09/22 11:04 AM GMT +05:30



Participants: Dr. Haribhau Bha..., sahil dangle, Abhijeet Undre, RAJANARASIMH..., Asha Abhilash, Monali Khirsagar, Tejasree Sarant, Swarna Potdar, Deepak Sonawane, Dr. Yogita Sinker, asha jadhav, Sushma More, Mahadeo Nikam, Geeta Dhanke, Hemant Masal, Jyoti Dhanke, sangita hadimani, Sudam Landgo, vilas Pol, Dr. Yogita Sinker, vijaykumar, Prakash Khairnar, NAGAN ANVER..., Mahadeo Nikam, Nandana, Hemant, vinita potdar, 42 others

GPS Map Camera

Pune, Maharashtra, India  
 k J College of Engineering and Management Research,  
 Pune Maharashtra 411048, India  
 Lat 18.421101°  
 Long 73.906933°  
 30/09/22 11:45 AM GMT +05:30





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### Activity Report

<b>Title of Program:</b>		<b>One Week ISTE Approved STTP on " Applications of Mathematical Modeling in Science &amp; Engineering"</b> Day -05 , Topic – Mathematical frame work for optimization models in Machine learning	
<b>Program Expert:</b>		Dr.Radhika Menon	
<b>Date:</b>	<b>30/09/2022</b>	<b>Time</b>	2.00 pm to 4.00 pm
<b>Venue:</b>		KJCOEMR, PUNE	

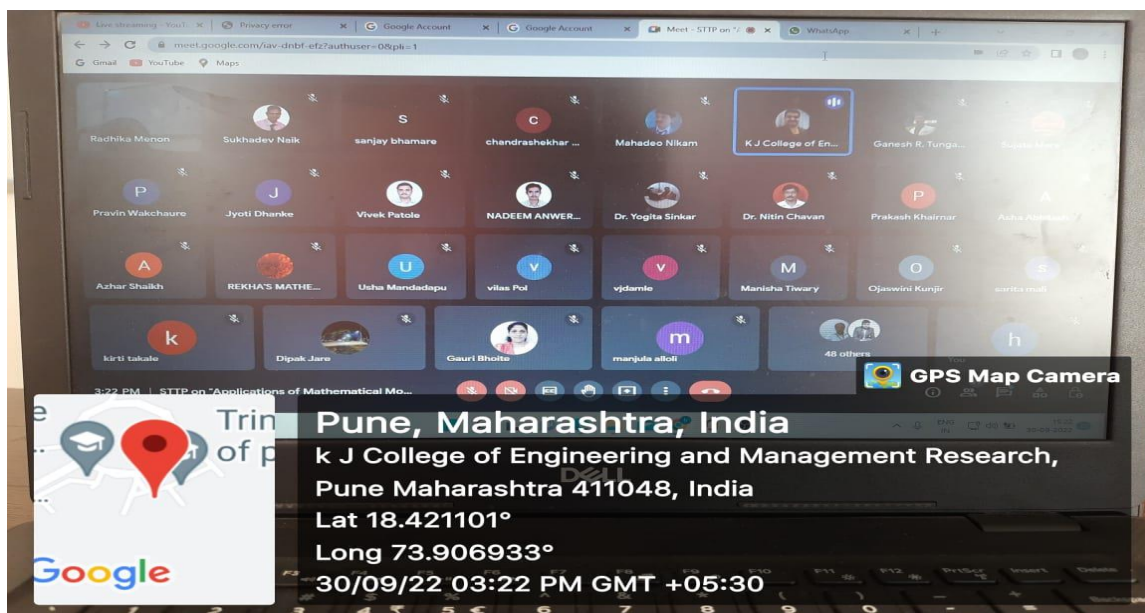
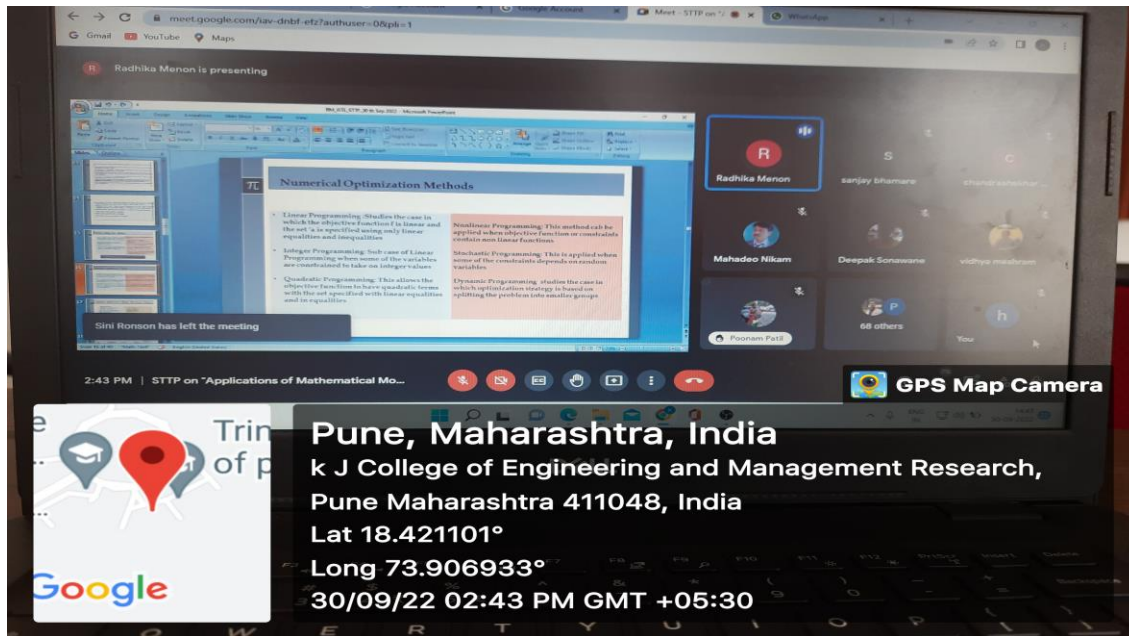
#### About program:

##### Day -05

5<sup>th</sup> Day STTP of second session on 29<sup>th</sup> September 2022, with Dr. Radhika Menon as the speaker, on the topic of Mathematical frame work for optimization models in Machine learning Applications. He explained sequence wise and properly about Mathematical frame work for optimization models in Machine learning. And also solved the quarries of faculties regarding topic.

Program was beneficial for faculties and the total views of the program were 132. Program is well organized and appreciated by faculties.

## Program Event Photos:



STTP Coordinator

FE Coordinator

Principal