

# GF's Godavari College of Engineering Jalgaon

Department of Electrical Engineering is organized

one day program on

## "Research Methodology at a Glance"

The program aims to make Faculty, PhD scholars and Masters students to help in Getting primary information about Research Methodology.

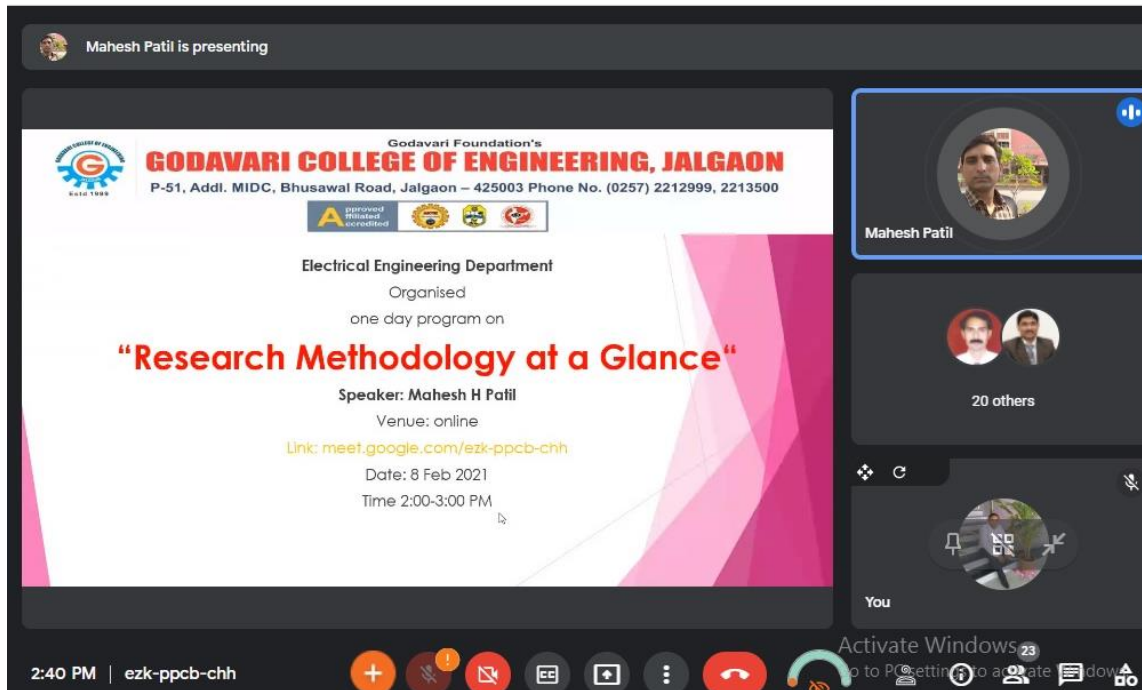
Speaker: Mahesh H. Patil (Dept. Of Electrical Engineering)

Venue: online

Link: [meet.google.com/ezk-ppcb-chh](https://meet.google.com/ezk-ppcb-chh)

Date & Time -08/02/2021 2:00-3:00 PM

**Total Attendees -25**



As per the requirement of today's education system, outside world is demanding huge research motivation. Knowing this to promote the research and innovation culture in the institute, electrical engineering department of Godavari college of engineering has organized one day program on **Research Methodology at a glance**.

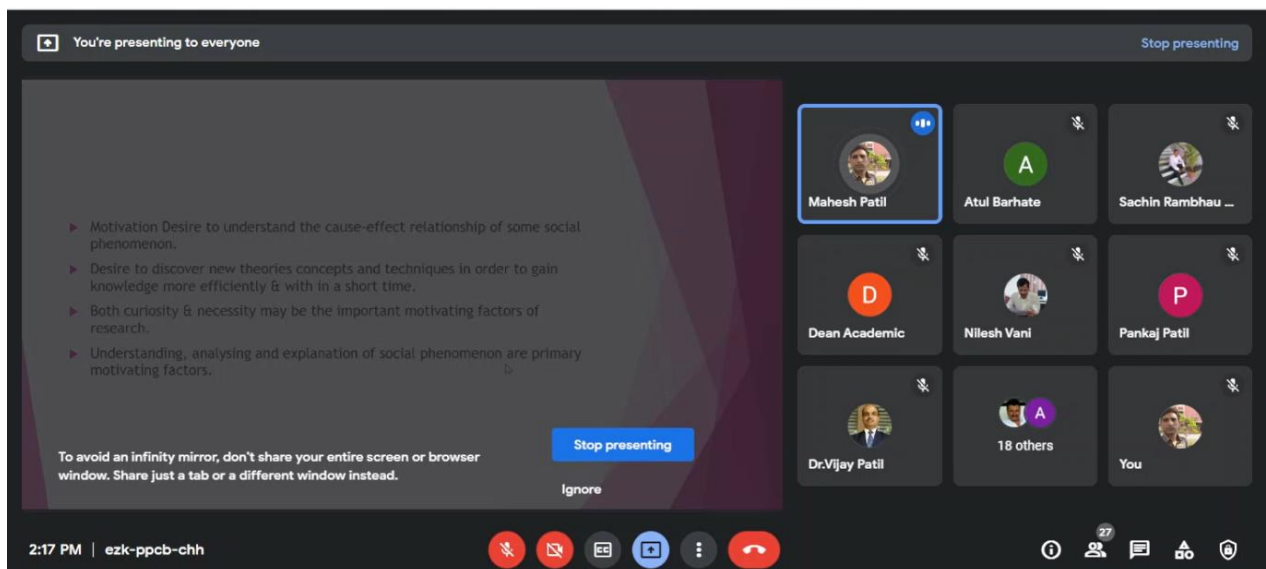
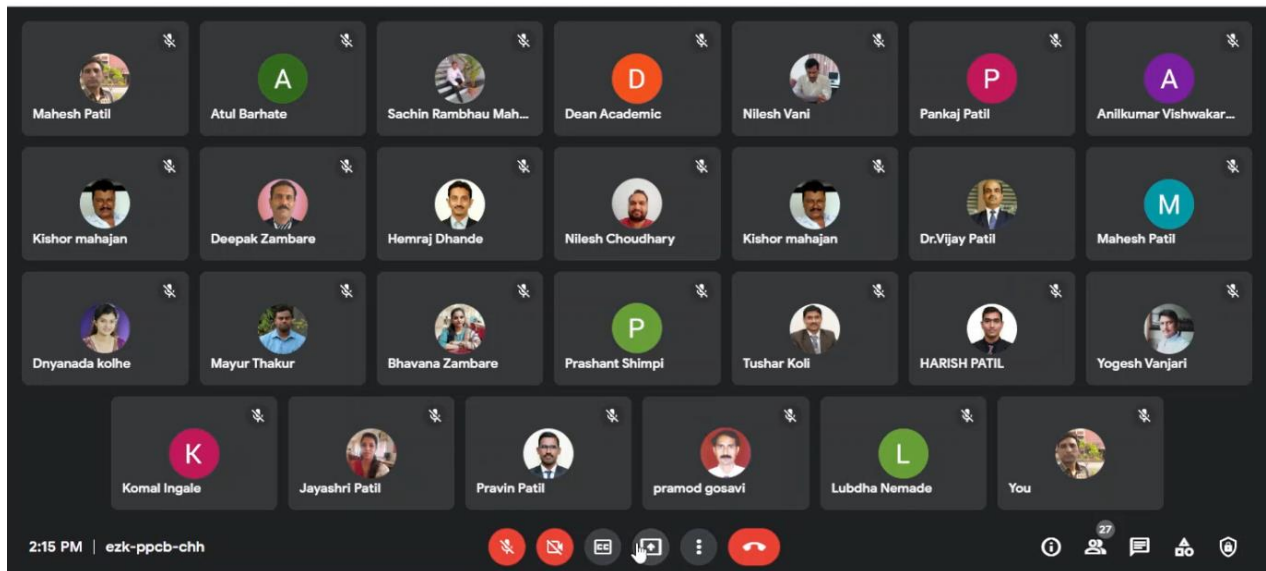
The speaker for the program was Prof. Mahesh H Patil who has More than 11 years of experience in the electrical engineering, he has many research interest like High voltage Engineering, Renewable energy etc. his main area of research currently is Solar PV systems

Based Microgrids. Today he has talked on Research methodology at a glance. He is Dean research Innovation for Godavari College of Engineering and also, he is certified innovation ambassador from Ministry of Education (Govt. of India).

The program has been organized online taking the Covid – 19 situations in mind for the safety of all. More than 25 participants were present for the program form. Majority of Teaching staff were interested to attend the program. All participants found this program to be very good and understood the very aspect of Research.

In his talk Prof. Mahesh H Patil started with basics like defining Research in various ways. The one by one he has explained the components of doing the research. Why research is needed. By which way one should approach to the research goals. And many more important things along with The Methodology for research were put in front of audience.

For this program Principal of GFs Godavari College of Engineering Jalgaon were present, also, Academic Dean and H oD of E&TC Engineering Prof. Hemant Ingle, HoD of Computer Engineering Prof Pramodgiri Gosavi, HoD of Mechanical Engineering Prof Tushar Koli, HoD of Electrical Engineering Prof. Atul Barhate and HoD of Applied Sciences and humanities Prof. Nitin Bhole were present.



Windows taskbar: 1, eye, speaker, hand, clipboard, smile, star, gear, window, close, maximize, minimize

Meeting title: Mahesh Patil is presenting

# Research Methodology at a Glance

Mahesh H Patil  
Dean Research and Innovation (GFGCOE-EE)  
Innovation Ambassador (MoE Govt. of India)

People 25

In call

- Sachin Rambhau Mahe... (You) [mute] [pin]
- Anilkumar Vishwakarma [mute] [more]
- Atul Barhate [mute] [more]
- Deepak Zambare [mute] [more]
- Dnyanada kolhe [mute] [more]
- Dr.Vijay Patil [more] [more]
- HARISH PATIL [mute] [more]

Dnyanada kolhe [mute]

Maresh Patil [mute]

22 others [mute]

You [mute]

2:03 PM | ezk-ppcb-chh

Windows taskbar: microphone, camera, screen, share, more, call, network, system tray (clock, volume, network, power)

Activate Windows 26  
Go to Settings to activate Windows

Windows taskbar: 1, eye, speaker, hand, clipboard, smile, star, gear, heart, window, close, maximize, minimize

Tushar Koli

Mahesh Patil

Dnyanada kolhe

Atul Barhate

Dean Academic

pramod gosavi

HARISH PATIL

19 others

You

2:09 PM | ezk-ppcb-chh

Windows taskbar: microphone, camera, screen, share, more, call, network, system tray (clock, volume, network, power)

Activate Windows 27  
Go to Settings to activate Windows

Manesh Patil is presenting

# Research Methodology at a Glance

Mahesh H Patil  
Dean Research and Innovation (GFGCOE-EE)  
Innovation Ambassador (MoE Govt. of India)

Atul Barhate

18 others

You

12:34 AM | ezk-ppcb-chh

Activate Windows 21  
Go to PC settings to activate Windows

Manesh Patil is presenting

- ▶ Motivation Desire to understand the cause-effect relationship of some social phenomenon.
- ▶ Desire to discover new theories concepts and techniques in order to gain knowledge more efficiently & with in a short time.
- ▶ Both curiosity & necessity may be the important motivating factors of research.
- ▶ Understanding, analysing and explanation of social phenomenon are primary motivating factors.

Mahesh Patil

23 others

You

2:12 PM | ezk-ppcb-chh

Activate Windows 26  
Go to PC settings to activate Windows

Mahesh Patil is presenting

- ▶ **CONCEPTS:** Concepts are logical constructions or abstractions created from sense impressions, and experiences.
- ▶ Concept are the symbols that sciences works with, they constitute the linguistic apparatus of science.
- ▶ A concept is a word which is so constructed and defined that observation become possible.
- ▶ It is an idea that is expressed in words.
- ▶ It consist of both a word and a definition.
- ▶ Concept name possible or imagined properties of things, people or event.
- ▶ The role of concept is to establish some kind of link with the social world.

2:29 PM | ezk-ppcb-chh

Activate Windows  
Go to PC settings to activate Windows

Mahesh Patil

20 others

You

Mahesh Patil is presenting

## CRITERIA OF A GOOD RESEARCH

- ▶ Purpose clearly defined.
- ▶ Research process detailed.
- ▶ Research design thoroughly planned.
- ▶ High ethical standards applied.
- ▶ Limitations frankly revealed.
- ▶ Adequate analysis for decision maker's needs.
- ▶ Findings presented unambiguously.
- ▶ Conclusions justified.
- ▶ Researcher's experience reflected.

Mahesh Patil

21 others

You

**Outcome:**

- participants motivated towards Research
- Participants understood the Research methodology.
- Participants understood ethics of research.