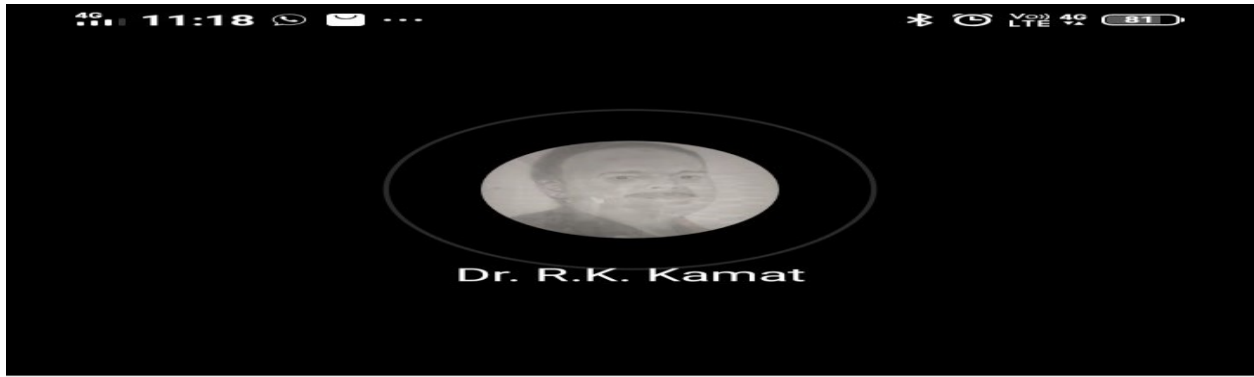


Engineers Day 2021

Jointly organized by B. Tech Electronics & Telecommunication Engineering and B. Tech Computer Science & Technology programs, Department of Technology, Shivaji University, Kolhapur

Online paper presentation contest

The screenshot shows a Google Meet interface. At the top, the browser address bar displays "meet.google.com/wfm-zjgf-yjz". The main content area shows a presentation slide titled "ENGINEER'S DAY 2021 Welcome Online paper presentation contest on 'Recent trends in Electronics, Telecommunication and Computer Engineering'". The slide also mentions it is jointly organized by the Department of Technology at Shivaji University. The Meet interface includes a sidebar with participant thumbnails for "Dr. R.K. Kamat", "Chetan Awati Assistant ...", and "You". The bottom status bar shows the time as 11:21 AM on 9/15/2021 and the meeting ID "wfm-zjgf-yjz".



- (95)
- Shamkumar Chavan (You)
 - Nishant Joshii
 - Dr. R.K. Kamat
 - Smt. R.V. Mane

Also in the meeting (92)

Inbox (8,995) - sbc_tech@unishiv... Meet - wfm-zjgf-yjz

Inbox (8,995) - sbc_tech@unishivaji.ac.in - Shivaji ... mail.google.com

Design of Patch Antenna with Improved Bandwidth

Mr. Abdulaziz Rasul Mulla (2019079975)
Miss. Simran Prashant Chavan (2019079977)
Mr. Vaibhav Rajendra Patil (2019079969)

Department of Technology, Shivaji University.

ENGINEER'S DAY 2021
Presentation
"Recent trend in Electronics, Electrical Engineering"
(Smt. R.V. Mane)

Chetan Awati Assistant Pr...

86 others

You

11:33 AM | wfm-zjgf-yjz

11:33 AM 9/15/2021

Engineers Day 2021- Online paper presentation Meet - wfm-zjgf-yjz

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vaibhav patil is presenting

Introduction

- The Microstrip Patch Antenna is a single-layer design which consists generally of four parts 1. patch 2. ground plane 3. substrate 4. Feeding part. Patch antenna can be classified as single – element resonant antenna
- We have designed Rectangular Microstrip Patch Antenna with FR4 Substrate of height 1.6 mm. And feeding method is Microstrip Line Feed.
- Frequency Of Our Patch antenna is 2.4ghz.

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11:25 AM 9/15/2021

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Smt. R.V. Mane is presenting

ENGINEER'S DAY 2021
Welcome
Online paper presentation contest
"Recent trends in Electronics, Telecommunication and Computer Engineering"
 Jointly organized by Electronics & Telecommunication Engineering and Computer Science & Technology, Department of Technology Shivaji University

Rushikesh Badale has left the meeting

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vaibhav patil is presenting

- We used Patch and ground material as Copper (cu) and Substrate material as FR4 epoxy of 1.6mm Height
- As we discussed in introduction various shapes of patches are available. As a beginner in antenna designing we choose rectangular patch of size 44.7 mm width and 38.00 mm height of frequency 2.4ghz.
- Ground Dimensions is 60.00mm x 60.00mm

11:29 AM | wfm-zjgf-yjz

Abdulm Aziz
89 others
You

11:29 AM 9/15/2021

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vaibhav patil is presenting

Thank You
Questions?

11:33 AM | wfm-zjgf-yjz

Abdulm Aziz
86 others
You

11:33 AM 9/15/2021

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Snehal Patil is presenting

DEPARTMENT OF TECHNOLOGY
SHIVAJI UNIVERSITY

Electronics and communication technology
Presentation on - Mobile battery charging system while walking

Completed by -
Miss. Snehal Patil
Miss. Janhavi Nandawadekar
Miss. Rajshrutika Thorat

Omkar Patil has left the meeting

Snehal Patil

11:37 AM | wfm-zjgf-yjz

Nishant Joshi

ENGINEER'S DAY 2021
Presentation (Smt. R.V. Wankar)

85 others

You

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meet.google.com/wfm-zjgf-yjz

Snehal Patil is presenting

Block diagram

```

    graph LR
      TRANSOUER --> RECTIFIER --> capacitor --> OUTPUT
      capacitor --> LED
  
```

11:39 AM | wfm-zjgf-yjz

Rajshrutika Thorat

ENGINEER'S DAY 2021
Presentation (Smt. R.V. Wankar)

88 others

You

11:39 AM 9/15/2021

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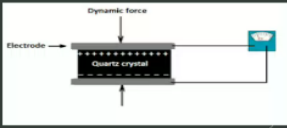
meet.google.com/wfm-zjgf-yjz

Snehal Patil is presenting

Piezo electric transducer/sensor-

A piezoelectric sensor is a device that uses the piezoelectric effect, to measure changes in pressure, acceleration, temperature, strain, or force by converting them to an electrical charge.

When a sensor works on the principle of Piezoelectricity, it is known as Piezoelectric Sensor.



11:39 AM | wfm-zjgf-yjz

Rajshrutika Thorat

ENGINEER'S DAY 2021

88 others

You

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Nishant Joshi is presenting

HAPTIC TECHNOLOGY

Mr. Nishant Sunil Joshi
nisha.nish1615@gmail.com

Department of Electronics and Communication Technology, Shivaji University, Kolhapur, Maharashtra.

ABSTRACT

Haptic is the "science of applying the sensation to human interaction with computers". In our paper we have discussed the basic concepts related haptic along with the haptic devices and how these devices are interested to produce sense of touch and force feedback mechanisms. Also the implementation of this mechanism by means of haptic rendering and contact detection were discussed.

1. INTRODUCTION

Haptic technology, also known as kinesthetic communication or 3D touch, refers to any technology that can create an experience touch by applying forces, vibrations, or motions to the user. These technologies can be used to create virtual objects in a Computer simulation to control virtual objects, and to

2. HAPTIC DEVICES

These devices mainly consist of robotic manipulators that push back against a user with the forces that correspond to the environment that the virtual object's is in. Tactile feedback makes use of devices that interact with the nerve endings in the skin to indicate heat, pressure, and texture. These devices

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Chetan Awati Assistant Pr...

Presentation (Smt. R.V. Mane)

73 others

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Nishant Joshii is presenting

5. SIMULATION

Human haptics: human touch perception and manipulation. Machine haptics: concerned with robot arms and hands. Computer haptics: concerned with computer mediated.

A primary application area for haptics has been in surgical simulation and medical training. Haptic rendering algorithms detect collisions between surgical instruments and virtual organs and render organ-force responses to users through haptic interface devices. For the purpose of haptic rendering, we've conceptually divided minimally-invasive surgical tools into two generic groups based on their functions.

1. Long, thin, straight probes for palpating or puncturing the tissue and for injection (sutures and injection needles and palpation probes)
2. Articulated tools for pulling, clamping, gripping, and cutting soft tissues.

A 3D computer model of an instrument from each group is probe from the first group and a forceps from the second and their behavior in a virtual environment is shown. During real-time solutions, the 3D surface models of the probe and forceps is used to provide the user with realistic visual cues. For the purpose of haptic rendering of tool-tissue interactions, a ray-based rendering, in which the probe and forceps are modeled as connected line segments.

6. DATA COMPRESSION

7. CONCLUSION

We finally conclude that Haptic Technology is the only solution which provides high range of interaction that cannot be provided by BML or virtual reality. Whatever the technology we can employ, touch access is important till now. But, haptic technology has totally changed this trend. We are sure that this technology will make the future world as a sensible one.

Nishant Joshii

65 others

You

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Piyusha Patil is presenting

HAPPY ENGINEER'S DAY

From TY CST

Yashraj Belgaonkar has left the meeting

AMAN MOMIN

Piyusha Patil

61 others

You


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P Piyusha Patil is presenting



Glance on Cloud Computing
-Pratik R Patil

Mr. A.A. Shirolkar

Piyusha Patil

60 others

You

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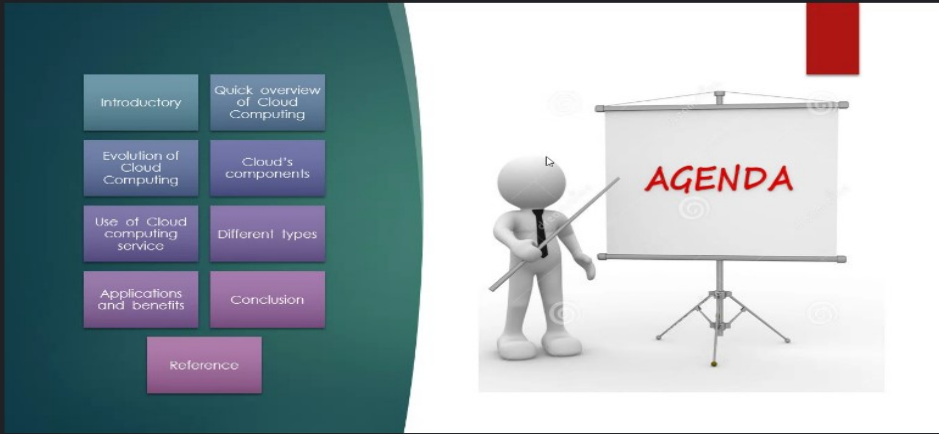
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P Piyusha Patil is presenting

Introductory	Quick overview of Cloud Computing
Evolution of Cloud Computing	Cloud's components
Use of Cloud computing service	Different types
Applications and benefits	Conclusion
Reference	



AGENDA

Mr. A.A. Shirolkar

Piyusha Patil

60 others

You

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12:07 PM 9/15/2021

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Piyusha Patil is presenting

Overview of Cloud computing!

➤ **Characteristics :**

- On-demand self-service
- Broad Network Access
- Pricing
- Quality of Service & many more....

➤ **Concepts :**

Feasible and accessible to end users because following working models

1. Service Models
2. Deployment Models

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Piyusha Patil is presenting

Components of Cloud Computing

1: Client Computers: The end user can interact with the cloud using the client computers.

Three Types of Clients:

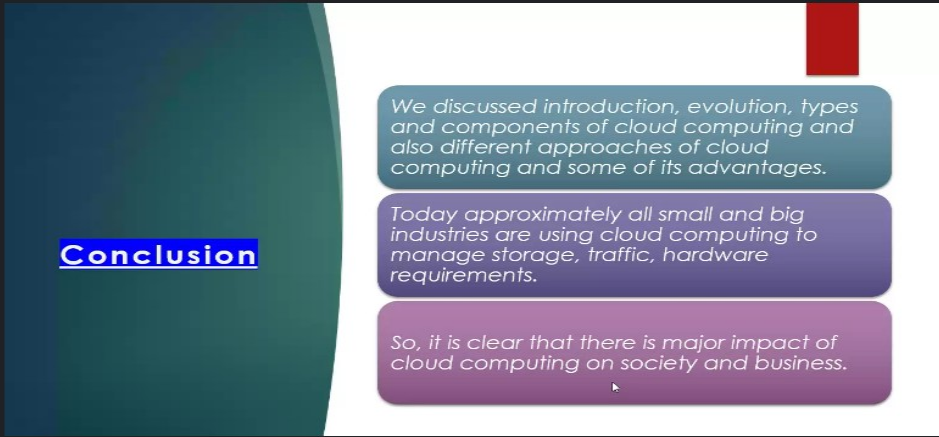
- A. Mobile
- B. Thick
- C. Thin

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P Piyusha Patil is presenting



Conclusion

We discussed introduction, evolution, types and components of cloud computing and also different approaches of cloud computing and some of its advantages.

Today approximately all small and big industries are using cloud computing to manage storage, traffic, hardware requirements.

So, it is clear that there is major impact of cloud computing on society and business.

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Enginers Day 2021 - Word

Chetan Awati Assistant Pr...

Piyusha Patil

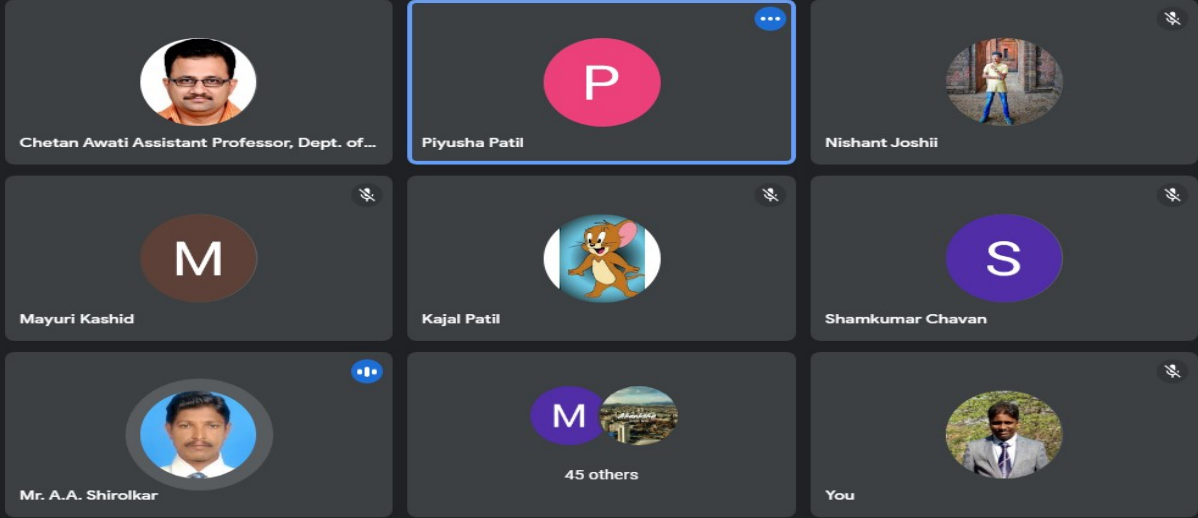
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Chetan Awati Assistant Professor, Dept. of...

Piyusha Patil

Nishant Joshii

Mayuri Kashid

Kajal Patil

Shamkumar Chavan

Mr. A.A. Shirolkar

45 others

You

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Janhavi Sarambale is presenting

September 15, 2021
10:30 a.m.

Quantum Evolution in Molecular Modelling

- Understanding Nature In A Deeper Way

ADWAITA PATIL
JANHAVI MOREY
JANHAVI SARAMBALE

Department Of Technology
Shivaji University

12:25 PM | wfm-zjgf-yjz

Shamkumar Chavan
Janhavi Sarambale
54 others
You

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Janhavi Sarambale is presenting

Presented By

3rd year undergraduate students

JANHAVI SARAMBALE
JANHAVI MOREY
ADWAITA PATIL

rupali dhabarde has left the meeting

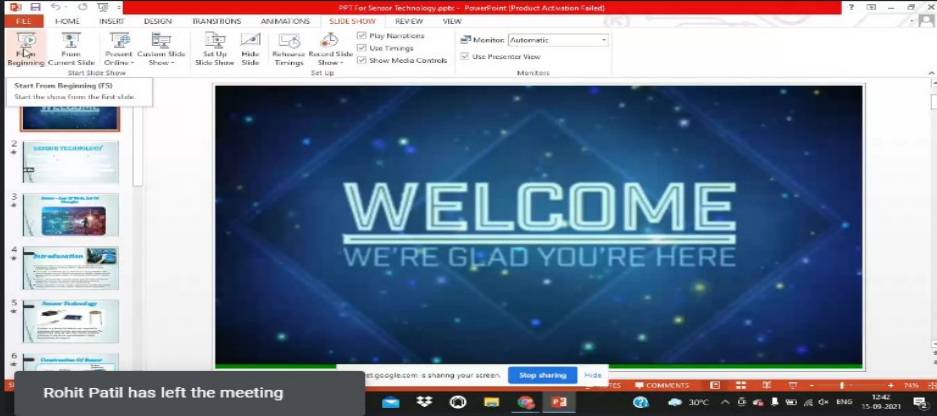
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shinde sharad
Janhavi Sarambale
52 others
You

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Mayuri Madiwal is presenting



WELCOME
WE'RE GLAD YOU'RE HERE

Rohit Patil has left the meeting


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Mr. A.A. Shiroikar
Vaibhav Rokde
47 others
You

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Mayuri Madiwal is presenting



SENSOR TECHNOLOGY

Department Of Technology Shivaji University,
Kolhapur, Maharashtra.

1) Miss. Mayuri Maruti Madiwal : mayurimadiwal200@gmail.com

2) Miss. Prachiti Ashok Deshpande : prachitideshpande23@gmail.com

3) Miss. Ishita Shailesh Mul : ishitamul@gmail.com

Ishita Mul
Vaibhav Rokde
45 others
You

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Mayuri Madiwal is presenting

Sensor – Less Of Work, Lot Of Thought.



Rutuja Chavan has left the meeting

Ishita Mul

Vaibhav Rokde

43 others

You

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Mayuri Madiwal is presenting

Introducation



- Sensors are utilized for a wide range of uses all through various businesses. They are utilized in ordinary applications just as more modern applications.
- A sensor is an estimating gadget which detects an adjustment of their general climate, they are regularly produced into bigger frameworks and gadgets and can screen various factors relying upon the kind of sensor they are.
- There is a large number of various sensor types, the most well-known classes we can offer are; position sensors, pressure sensors, temperature sensors and burden and power sensors.
- Sensors are utilized in such countless applications including motorsport, farming, medication, modern, aviation, agribusiness and then some.

Ishita Mul

Mr. A.A. Shirolkar

41 others

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Mayuri Madiwal is presenting

DIFFERENT TYPES OF SENSORS

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Participants: Prachiti Deshpande, Mr. A.A. Shirolkar, 41 others, You

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Shubham Zende is presenting

IMPACT OF SHORTAGE OF SEMICONDUCTOR CHIPS

Completed By:- Shubham L. Zende

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Participants: Mr. A.A. Shirolkar, Shubham Zende, 39 others, You

Word document: Engineers Day 2021 - Word

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Shubham Zende is presenting

IMPACT OF CHIPS SHORTAGE

MORE EFFECT OF CHIP SHORTAGE IN THOSE TWO INDUSTRIES

1. AUTOMOBILE INDUSTRY
2. MOBILE AND COMPUTER INDUSTRY

Mr. A.A. Shirokar

Shubham Zende

35 others

You

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Shubham Zende is presenting

IMPACT OF CHIPS SHORTAGE IN AUTOMOBILE INDUSTRY

NEWS DATE:-April 15,2021, US



New Ford F-150 pickup trucks sit on a lot of the Department of Public Works rail yard off I-96 near Evergreen in Detroit on April 15, 2021. The trucks are waiting for semiconductors, the company said. Trucks will get quality checks done before being shipping to dealers. *Eric Seals/Mandi Wright, Detroit Free Press*

Mr. A.A. Shirokar

Shubham Zende

36 others

You

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Shifa Momin is presenting

Slide 1 of 20

HAPPY ENGINEER'S DAY...

CONTENT

- Introduction
- History
- How it works
- Why it is different
- Li-Fi over Wi-Fi
- Advantages
- Disadvantages
- Applications
- Future scope
- Conclusion

LI-FI TECHNOLOGY

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Mr. A.A. Shirolkar

Chetan Awati Assistant Pr...

31 others

You

1:11 PM 9/15/2021

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Shifa Momin is presenting

HOW IT WORKS?

Streaming Content

Internet

LED Lamp

Frequency changes not visible to the human eye

Light Sensor or Photo Detector

Amplifies & Processes Received Data

Streaming Content

Internet

LED Lamp

Photo Detector

Received App Data

Amplification & Processing

1 By switching a LED that is fitted with a microchip on and off several thousand times a second, it is able to transmit information. If it is lit, it sends a 1 bit, if it is off a 0 bit.

2 A light-sensitive receiver on the receiving device picks up the signal and converts it back into data.

1:12 PM | wfm-zjgf-yjz

Mr. A.A. Shirolkar

Chetan Awati Assistant Pr...

29 others

You

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Chetan Awati Assistant Professor, Dept. of... Shifa Momin Mr. A.A. Shirolkar

Kajal Patil Rasika Betkar Shamkumar Chavan

Nishant Joshii 25 others You

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