



**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**4.1.3 Physical Facilities 2022-23**

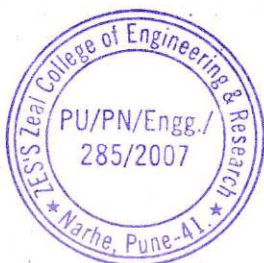
**Class Rooms**

Room number or Name of classrooms with LCD / wifi/LAN facilities with room numbers	Classroom	Area Sqf.	Type of ICT facility
A1-01	Classroom	71.53	LCD / wifi/LAN
A1-03	Classroom	71.53	LCD / wifi/LAN
A1-06	Classroom	75.7	LCD / wifi/LAN
A1-09	Classroom	78.7	LCD / wifi/LAN
A2-01	Classroom	100.05	LCD / wifi/LAN
A2-04	Classroom	100.05	LCD / wifi/LAN
A2-05	Classroom	77.04	LCD / wifi/LAN
A3-01	Classroom	66.70	LCD / wifi/LAN
A3-05	Classroom	66.70	LCD / wifi/LAN
B1-04	Classroom	68.99	LCD / wifi/LAN
B2-03	Classroom	96.55	LCD / wifi/LAN
B2-08	Classroom	95.12	LCD / wifi/LAN
B3-03	Classroom	97.47	LCD / wifi/LAN
B3-08	Classroom	94.41	LCD / wifi/LAN
B4-05	Classroom	72.48	LCD / wifi/LAN
B4-06	Classroom	72.48	LCD / wifi/LAN
C2-10	Classroom	69.46	LCD / wifi/LAN
C3-01	Classroom	110.4	LCD / wifi/LAN
C3-07	Classroom	72.04	LCD / wifi/LAN
C3-10	Classroom	110.4	LCD / wifi/LAN
C4-03	Classroom	106.63	LCD / wifi/LAN
C4-07	Classroom	90.16	LCD / wifi/LAN
C4-10	Classroom	105.26	LCD / wifi/LAN
C5-02	Classroom	107.36	LCD / wifi/LAN
C5-09	Classroom	107.64	LCD / wifi/LAN
D0-04	Classroom	101.96	LCD / wifi/LAN
D2-04	Classroom	70.22	LCD / wifi/LAN
D2-05	Classroom	70.22	LCD / wifi/LAN
D2-10	Classroom	70.22	LCD / wifi/LAN
D2-12	Classroom	70.22	LCD / wifi/LAN
D2-14	Classroom	70.22	LCD / wifi/LAN
D2-16	Classroom	70.22	LCD / wifi/LAN

D3-12	Classroom	70.22	LCD / wifi/LAN
D3-13	Classroom	70.22	LCD / wifi/LAN
D3-14	Classroom	70.22	LCD / wifi/LAN
D3-15	Classroom	146.64	LCD / wifi/LAN
D4-03	Classroom	70.22	LCD / wifi/LAN
D4-04	Classroom	70.22	LCD / wifi/LAN
D4-05	Classroom	70.22	LCD / wifi/LAN
D4-13	Classroom	70.22	LCD / wifi/LAN
D5-04	Classroom	70.22	LCD / wifi/LAN
D5-05	Classroom	70.22	LCD / wifi/LAN
D5-12	Classroom	70.22	LCD / wifi/LAN
D5-13	Classroom	70.22	LCD / wifi/LAN
B2-05	Classroom	95.71	LCD / wifi/LAN
B3-05	Classroom	65.72	LCD / wifi/LAN
B4-03	Classroom	44.64	LCD / wifi/LAN
C3-08A	Classroom	33.46	LCD / wifi/LAN
C3-08B	Classroom	33.06	LCD / wifi/LAN
C5-05	Classroom	34.04	LCD / wifi/LAN
D4-02	Classroom	33.84	LCD / wifi/LAN
D4-06	Classroom	33.84	LCD / wifi/LAN

### Seminar Halls

Room number or Name of Seminar Hall with LCD / wifi/LAN facilities with room numbers	Seminar Hall	Area Sqf.	Type of ICT facility
B4-11	Seminar Hall	145.75	LCD / wifi/LAN
D1-07	Seminar Hall	427.7	LCD / wifi/LAN



*Arkat*  
Principal  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune - 411 041.



➤ Photographs of all classrooms with projector attached and screen.

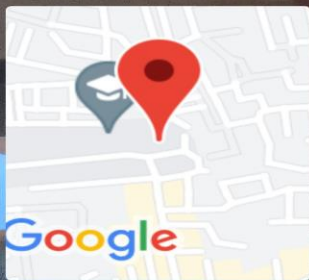
a) Mechanical Engineering

Class Room





 GPS Map Camera



**Pune, Maharashtra, India**

CRXG+MFR, Narhe, Pune, Maharashtra 411041,  
India

Lat 18.44919°

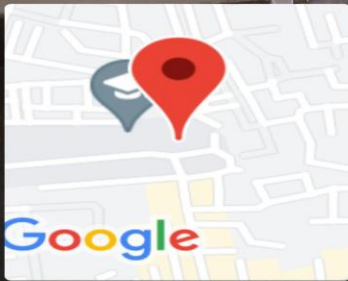
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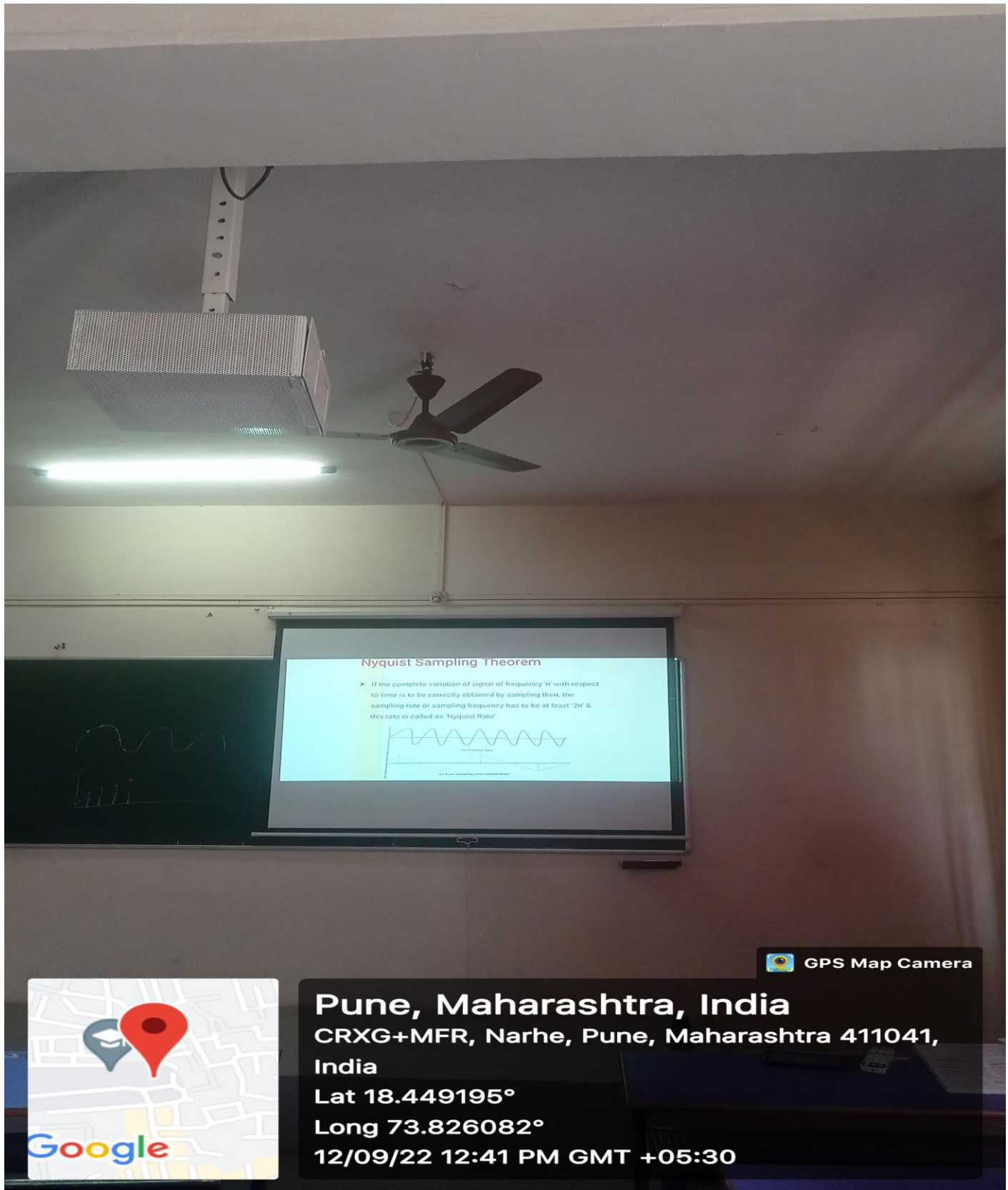




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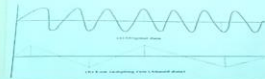


**Pune, Maharashtra, India**  
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India  
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Long 73.825981°  
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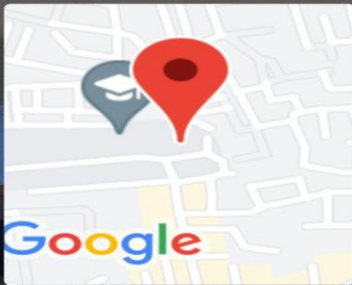


### Nyquist Sampling Theorem

> If the complete variation of signal of frequency 'n' with respect to time is to be correctly obtained by sampling then, the sampling rate or sampling frequency has to be at least  $2n$  & this rate is called as 'Nyquist Rate'



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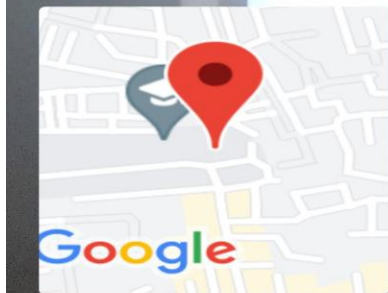


**Pune, Maharashtra, India**  
CRXG+MFR, Narhe, Pune, Maharashtra 411041,  
India  
Lat 18.449195°  
Long 73.826082°  
12/09/22 12:41 PM GMT +05:30



B3-03

CLASS ROOM  
MECHANICAL - IX




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CRXG+MFR, Narhe, Pune, Maharashtra 411041,  
India

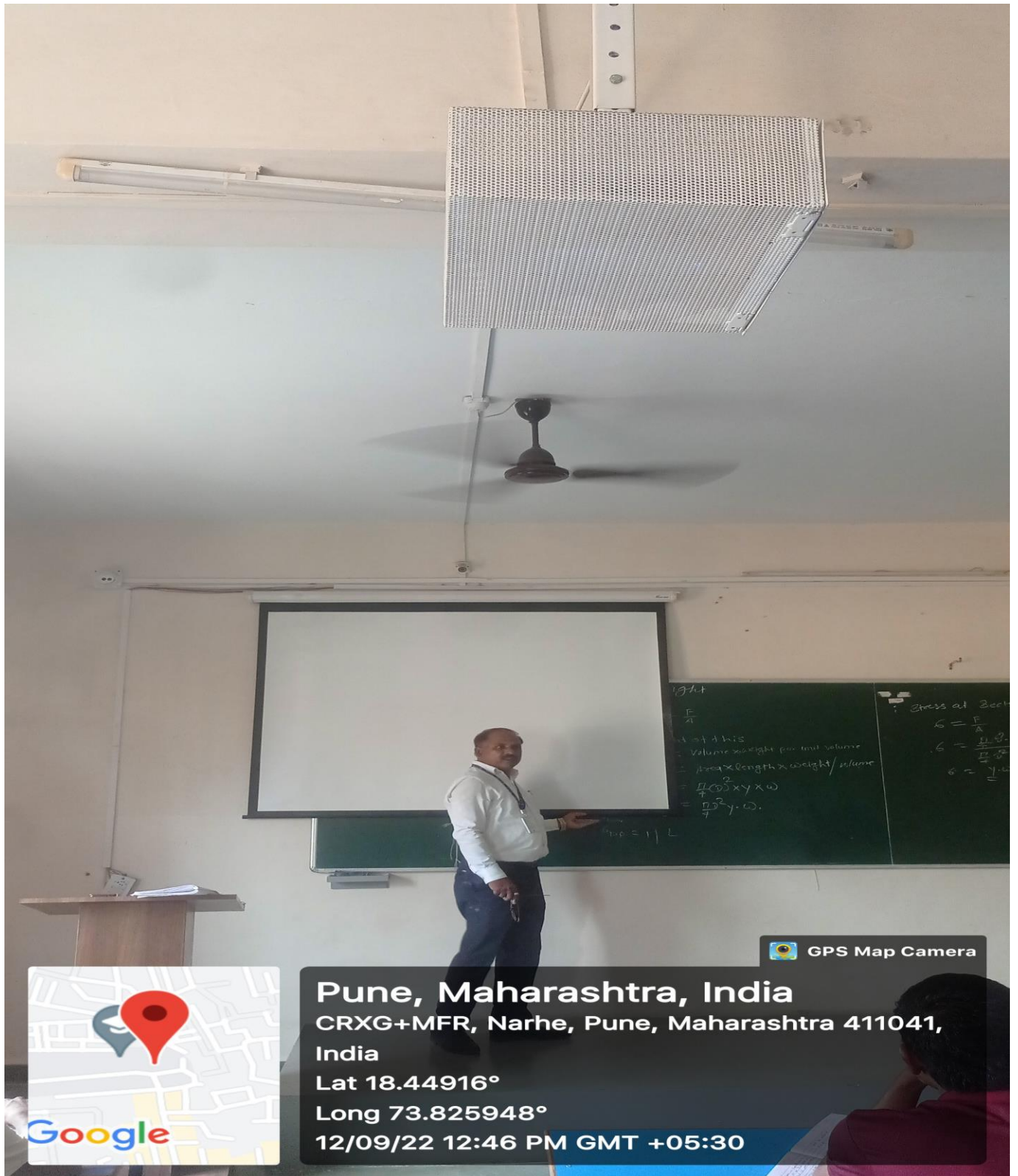
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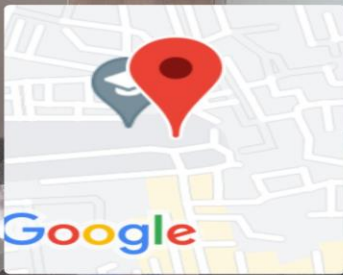
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 GPS Map Camera





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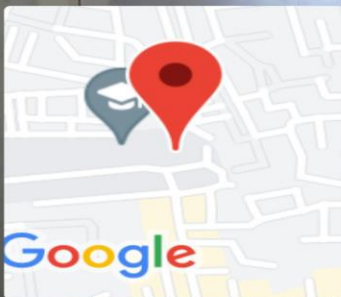
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CRXG+MFR, Narhe, Pune, Maharashtra 411041,  
India  
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Long 73.825948°  
12/09/22 12:46 PM GMT +05:30

B4-05

CLASS ROOM



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India

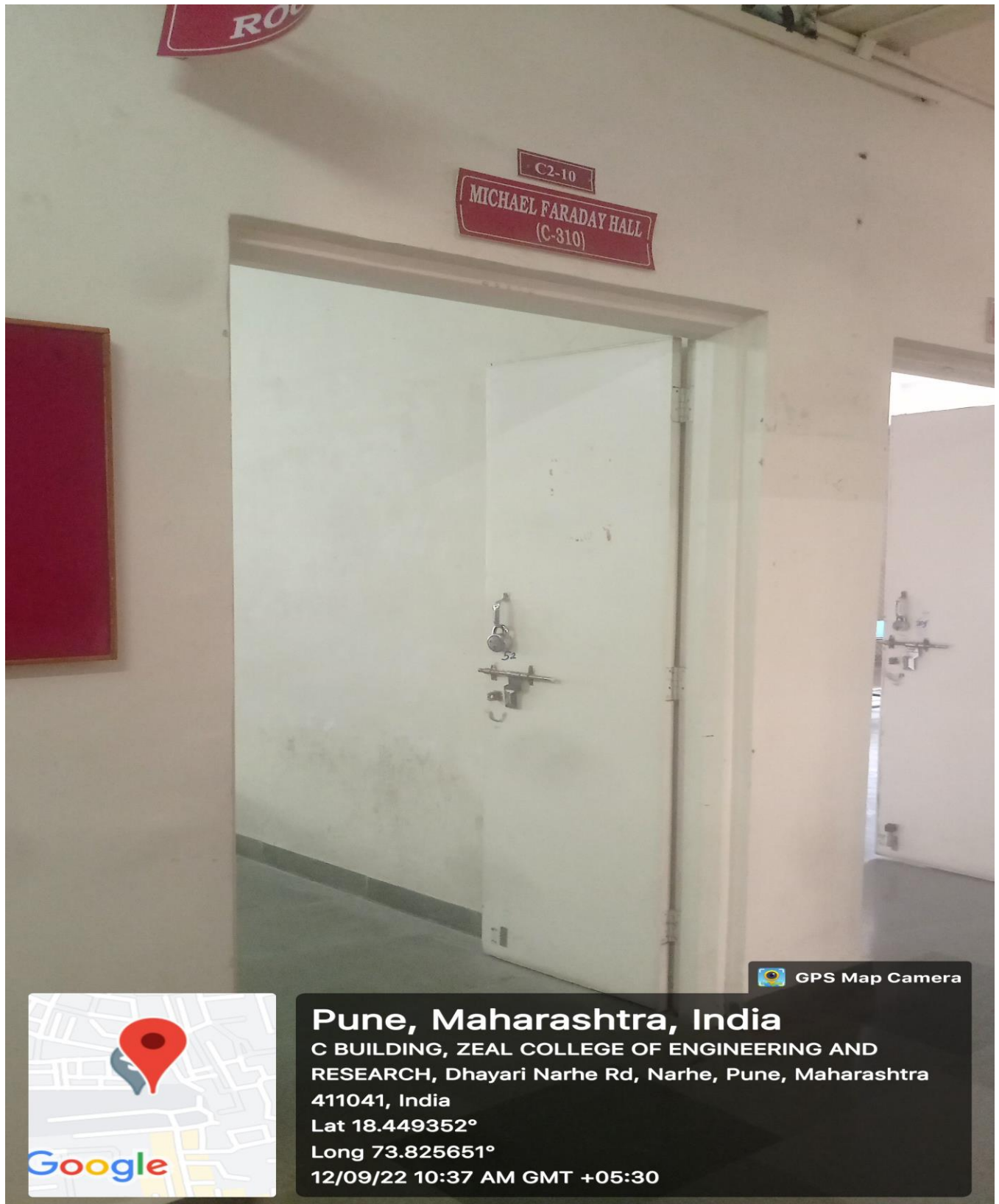
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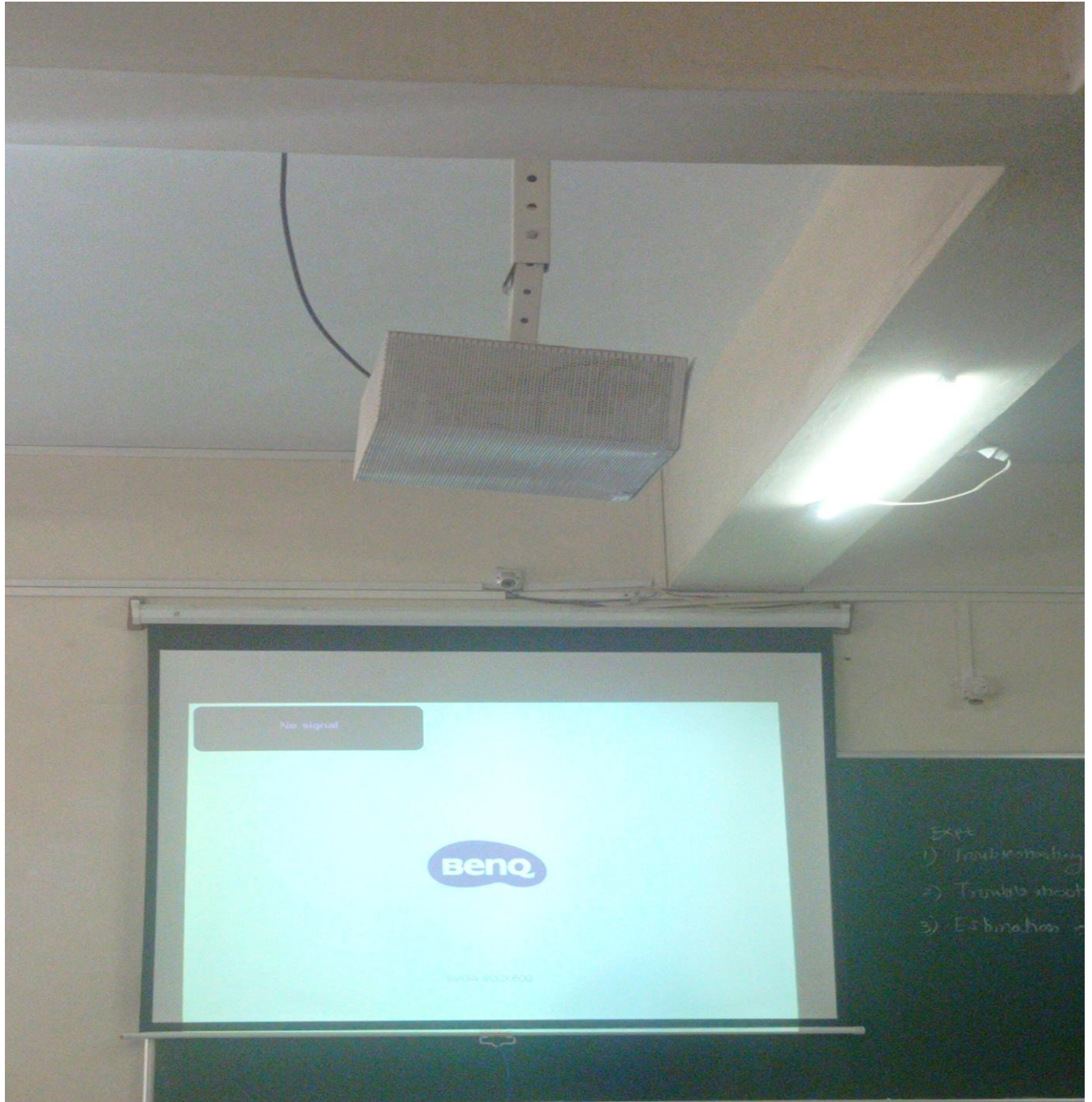
**b) Electrical Engineering**

**Class Room**

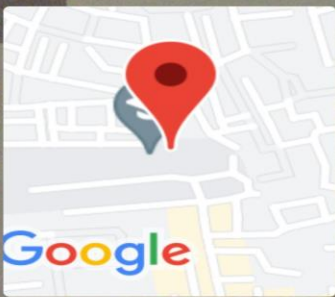


**Pune, Maharashtra, India**  
C BUILDING, ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH, Dhayari Narhe Rd, Narhe, Pune, Maharashtra  
411041, India  
Lat 18.449352°  
Long 73.825651°  
12/09/22 10:37 AM GMT +05:30





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E&TC & ELECTRICAL DEPARTMENT, NARHE, ZEAL  
COLLEGE OF ENGINEERING AND RESEARCH, Zeal College

Rd, नऱ्हे, पुणे, महाराष्ट्र 411041, India

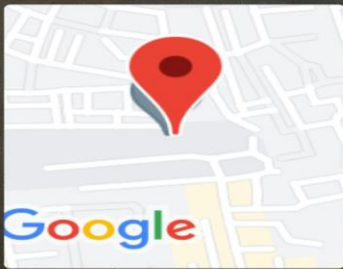
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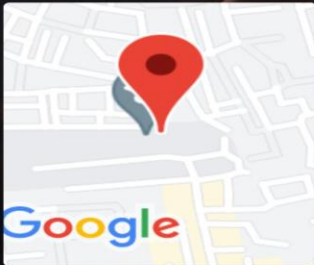
**Pune, Maharashtra, India**  
CRXG+P5J, Narhe, Pune, Maharashtra 411041,  
India  
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Long 73.8255°  
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BenQ  
VICTOR ECONOMO


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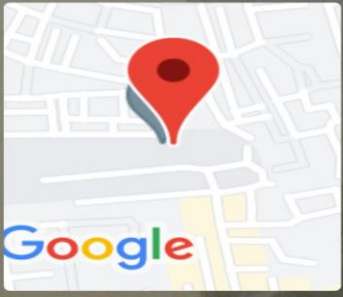


**Pune, Maharashtra, India**  
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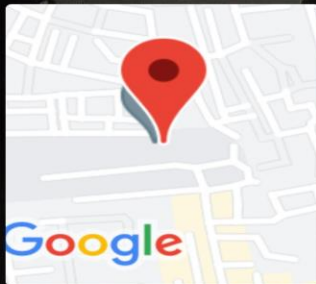
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C BUILDING, ZEAL COLLEGE OF ENGINEERING AND RESEARCH, Dhayari Narhe Rd, Narhe, Pune, Maharashtra 411041, India  
Lat 18.449316°  
Long 73.82552°  
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**Pune, Maharashtra, India**

C BUILDING, ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH, Dhayari Narhe Rd, Narhe, Pune, Maharashtra

411041, India

Lat 18.449322°

Long 73.825513°

12/09/22 10:41 AM GMT +05:30

c) E & TC Engineering

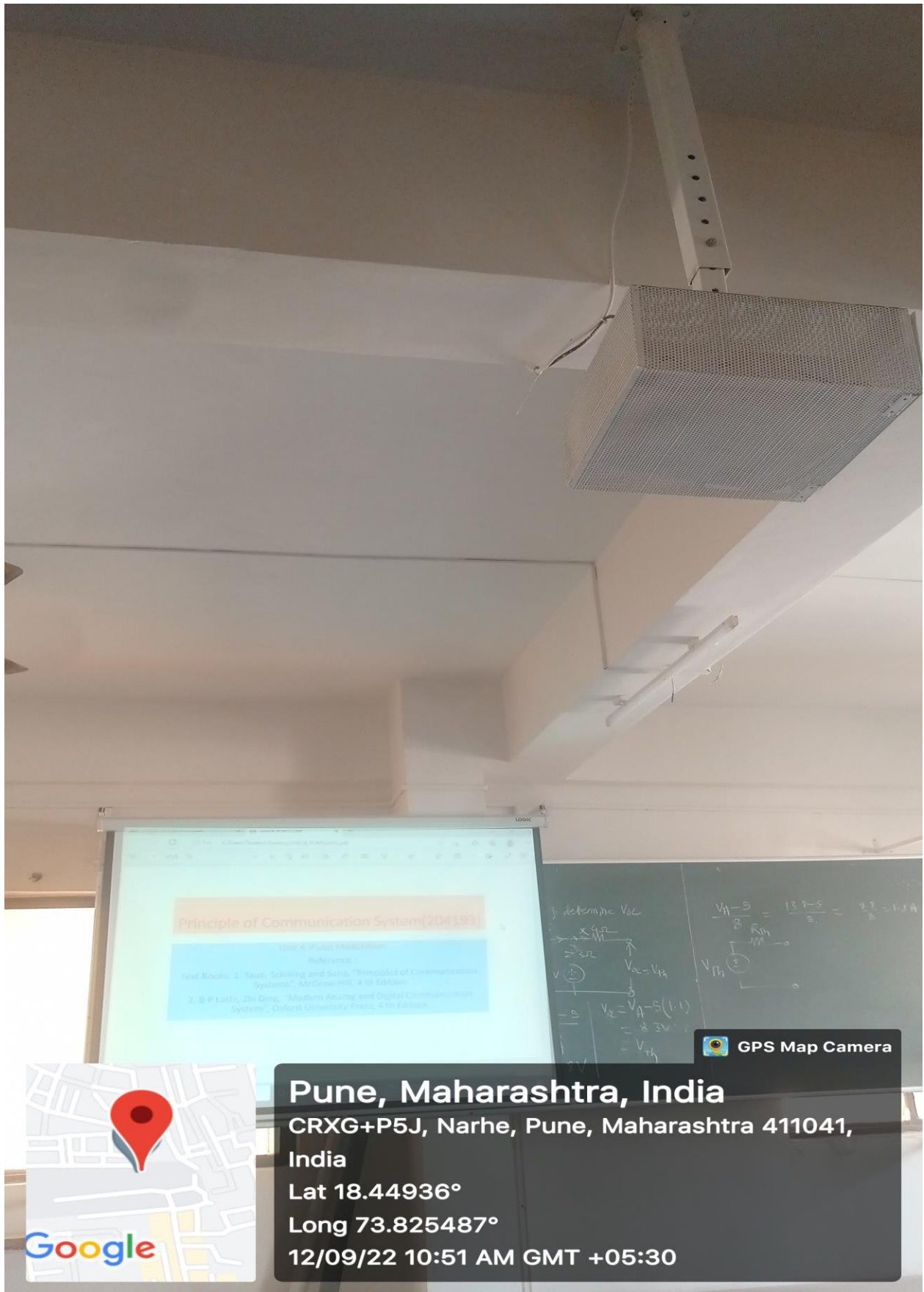
Class Room



**Pune, Maharashtra, India**  
CRXG+P5J, Narhe, Pune, Maharashtra 411041,  
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GPS Map Camera





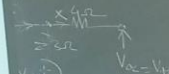
### Principle of Communication System(204193)

Unit 4 "Power Modulation"

#### Reference

- 1. Teub, Schilling and Saha, "Principles of Communication Systems", McGraw-Hill, 4th Edition
- 2. B.P Lathi, Zhi Ding, "Modern Analog and Digital Communication Systems", Oxford University Press, 4th Edition

∴ determine  $V_{oc}$



$$V_{th} - 5 = \frac{13.7 - 5}{2} = \frac{8.7}{2} = 4.35 \text{ V}$$



$$V_A = V_{th} - 5(1.1) = 8.3 \text{ V}$$

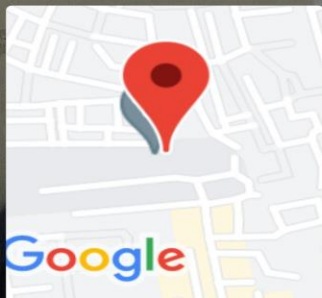
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**Pune, Maharashtra, India**  
 CRXG+P5J, Narhe, Pune, Maharashtra 411041,  
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 Long 73.825487°  
 12/09/22 10:51 AM GMT +05:30



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## Pune, Maharashtra, India

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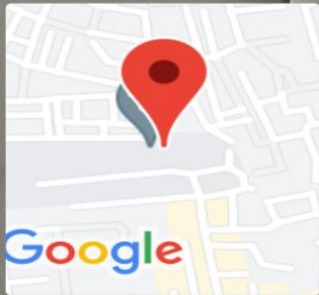
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411041, India

Lat 18.449325°

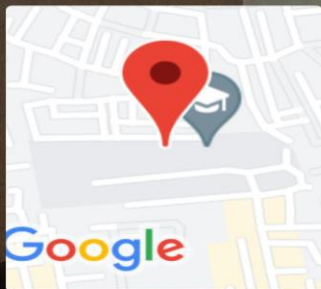
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**d) Computer Engineering**

**Class Room**



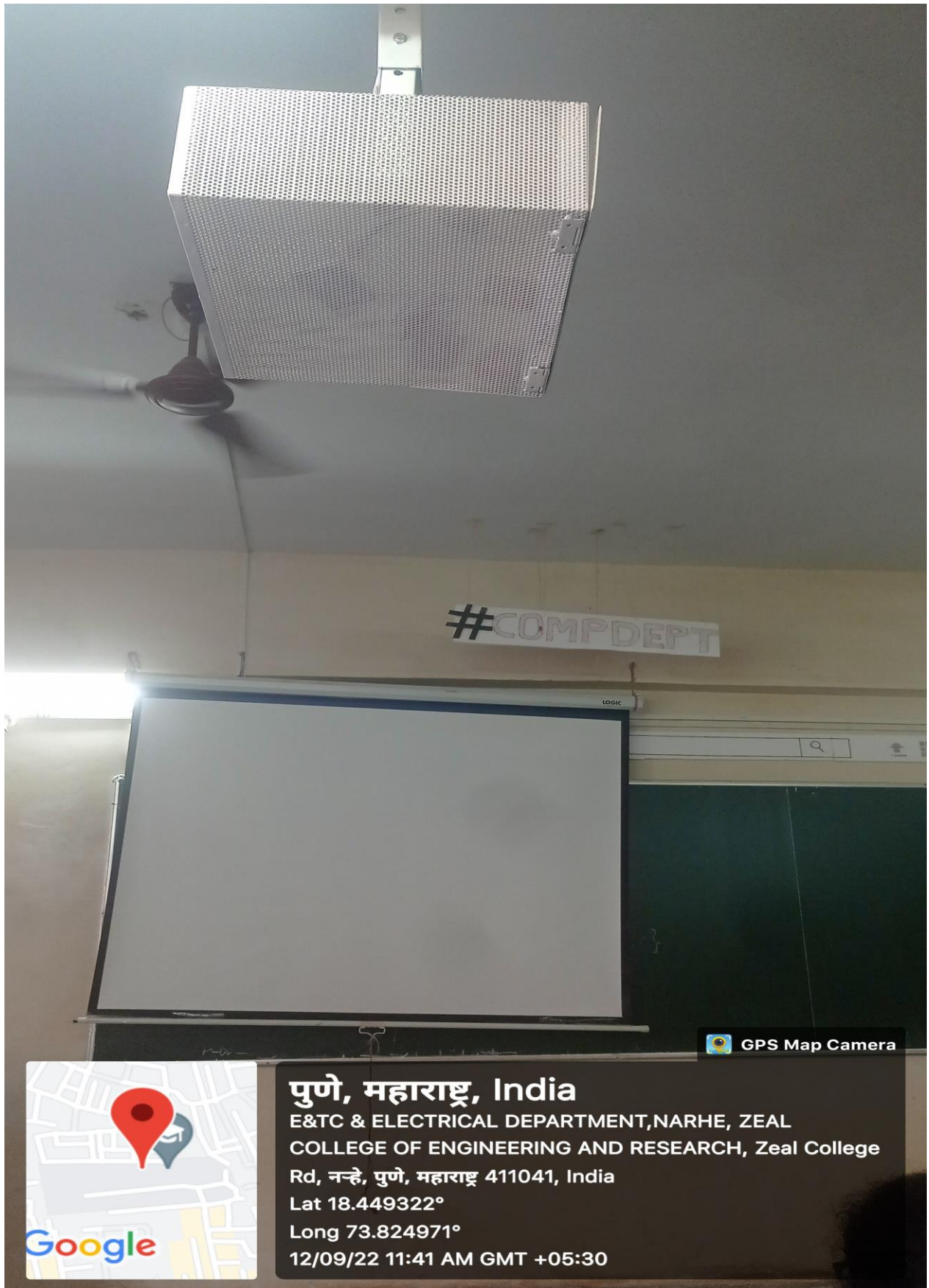
**Pune, Maharashtra, India**

Siddhant shivshrushti, Siddhant Shiv Shrushti Sr.  
no 40/1 ,, Narhe, Pune, Maharashtra 411041, India

Lat 18.449324°

Long 73.824881°

12/09/22 11:41 AM GMT +05:30



#COMPDEPT

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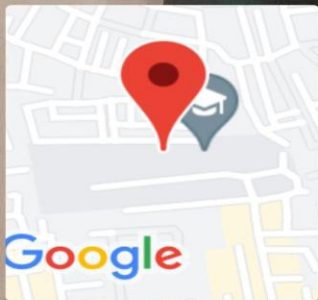
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## Pune, Maharashtra, India

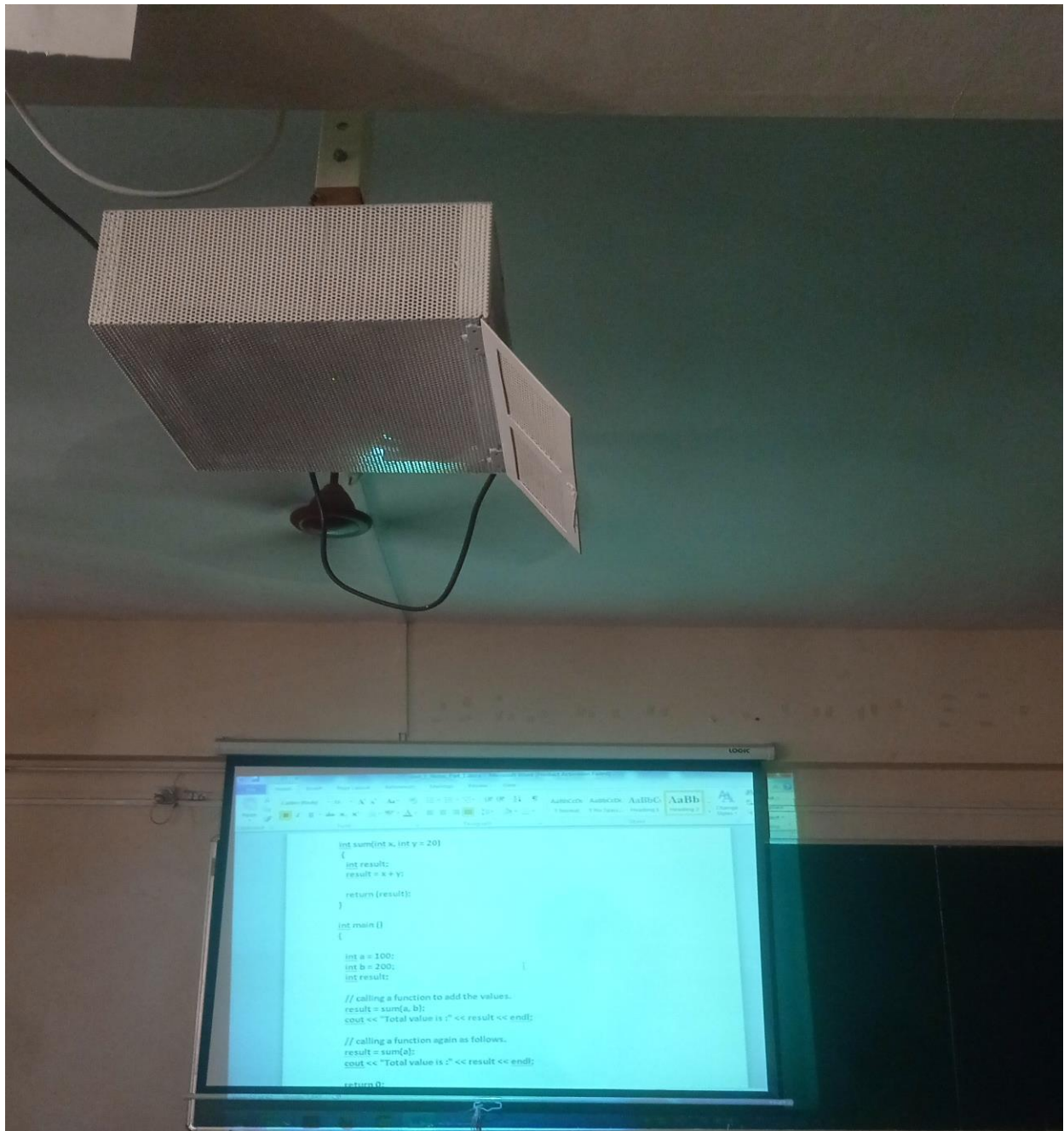
Siddhant shivshrushti, Siddhant Shiv Shrushti Sr.  
no 40/1 ,, Narhe, Pune, Maharashtra 411041, India

Lat 18.449319°

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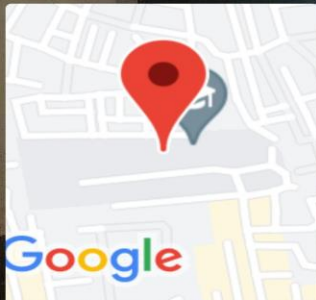
E&TC & ELECTRICAL DEPARTMENT, NARHE, ZEAL  
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Rd, नऱ्हे, पुणे, महाराष्ट्र 411041, India

Lat 18.449318°

Long 73.825087°

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Rd, नन्हे, पुणे, महाराष्ट्र 411041, India

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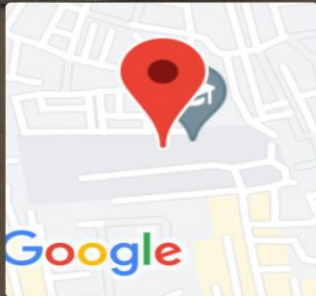
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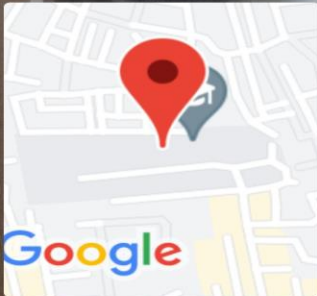
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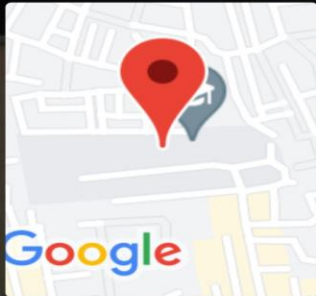
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Rd, नन्दे, पुणे, महाराष्ट्र 411041, India  
Lat 18.449227°  
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Rd, नन्हे, पुणे, महाराष्ट्र 411041, India

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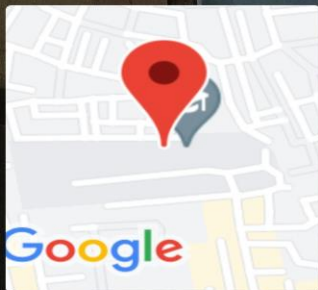
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e) Civil Engineering

Class Room



GPS Map Camera



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Rd, नन्हे, पुणे, महाराष्ट्र 411041, India

Lat 18.44933°

Long 73.825115°

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COLLEGE OF ENGINEERING AND RESEARCH, Zeal College**


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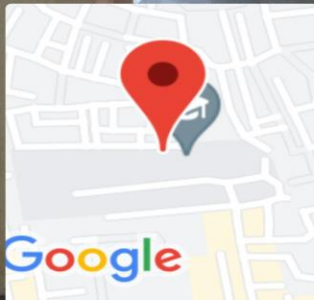
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 GPS Map Camera



## पुणे, महाराष्ट्र, India

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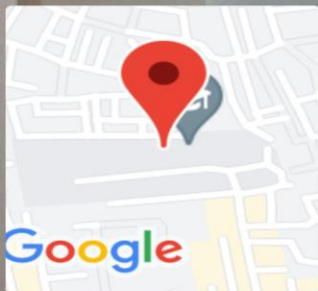
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Long 73.82511°

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f) Information Technology Engineering

Class Room



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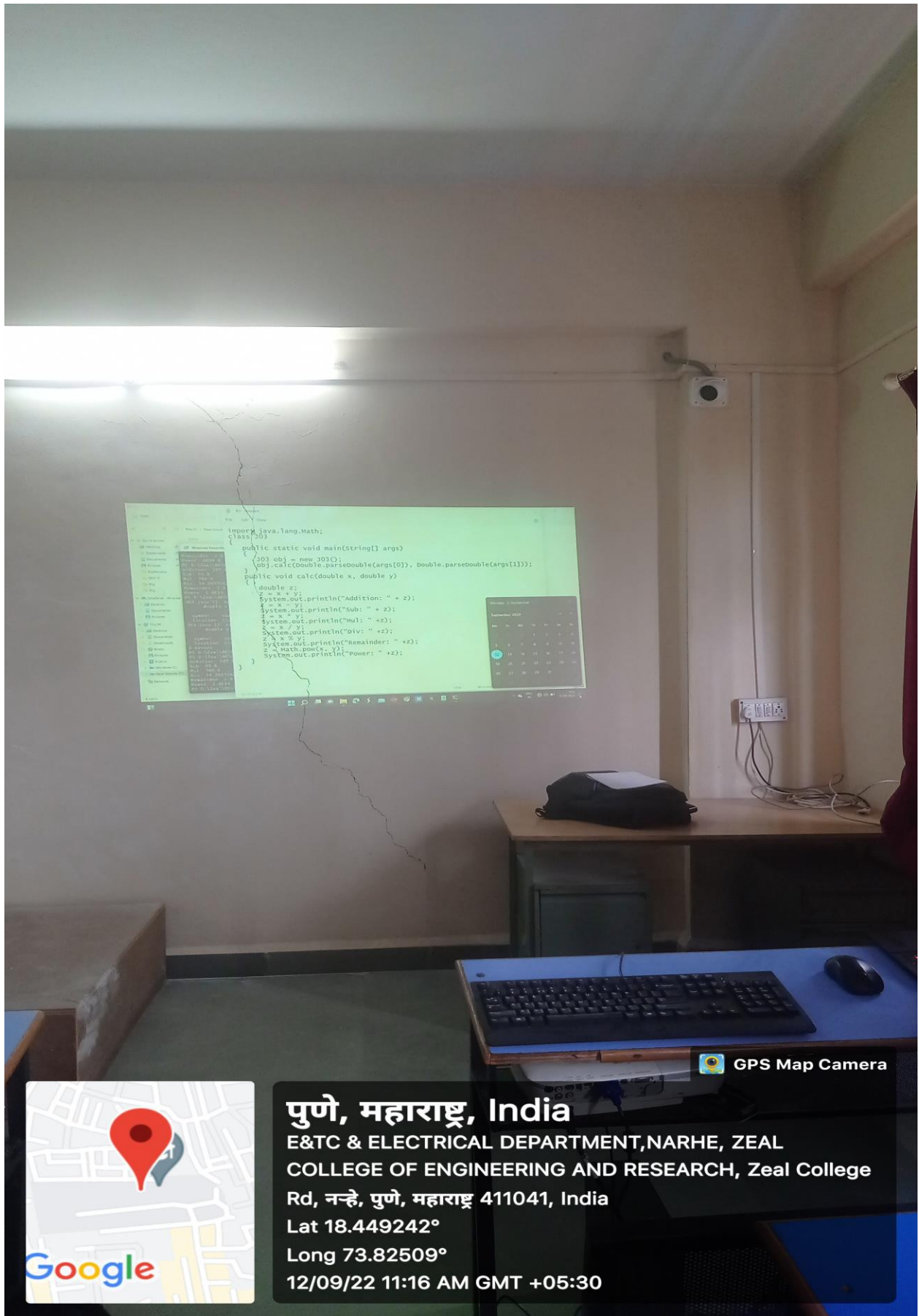
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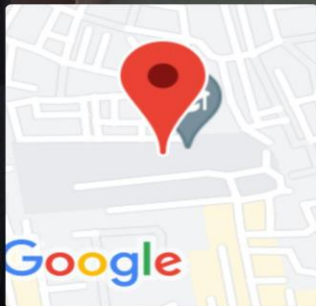
GPS Map Camera





```
import java.lang.Math;
class 303
{
    public static void main(String[] args)
    {
        303 obj = new 303();
        obj.calc(Double.parseDouble(args[0]), Double.parseDouble(args[1]));
    }
    public void calc(double x, double y)
    {
        double z;
        z = x + y;
        System.out.println("Addition: " + z);
        z = x - y;
        System.out.println("Sub: " + z);
        z = x * y;
        System.out.println("Mul: " + z);
        z = x / y;
        System.out.println("Div: " + z);
        z = Math.pow(x, y);
        System.out.println("Remainder: " + z);
        z = Math.pow(x, y);
        System.out.println("power: " + z);
    }
}
```

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### पुणे, महाराष्ट्र, India

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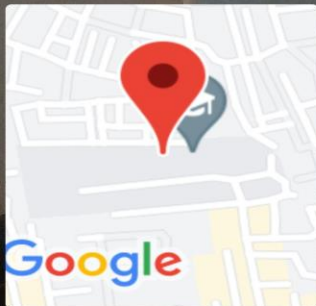
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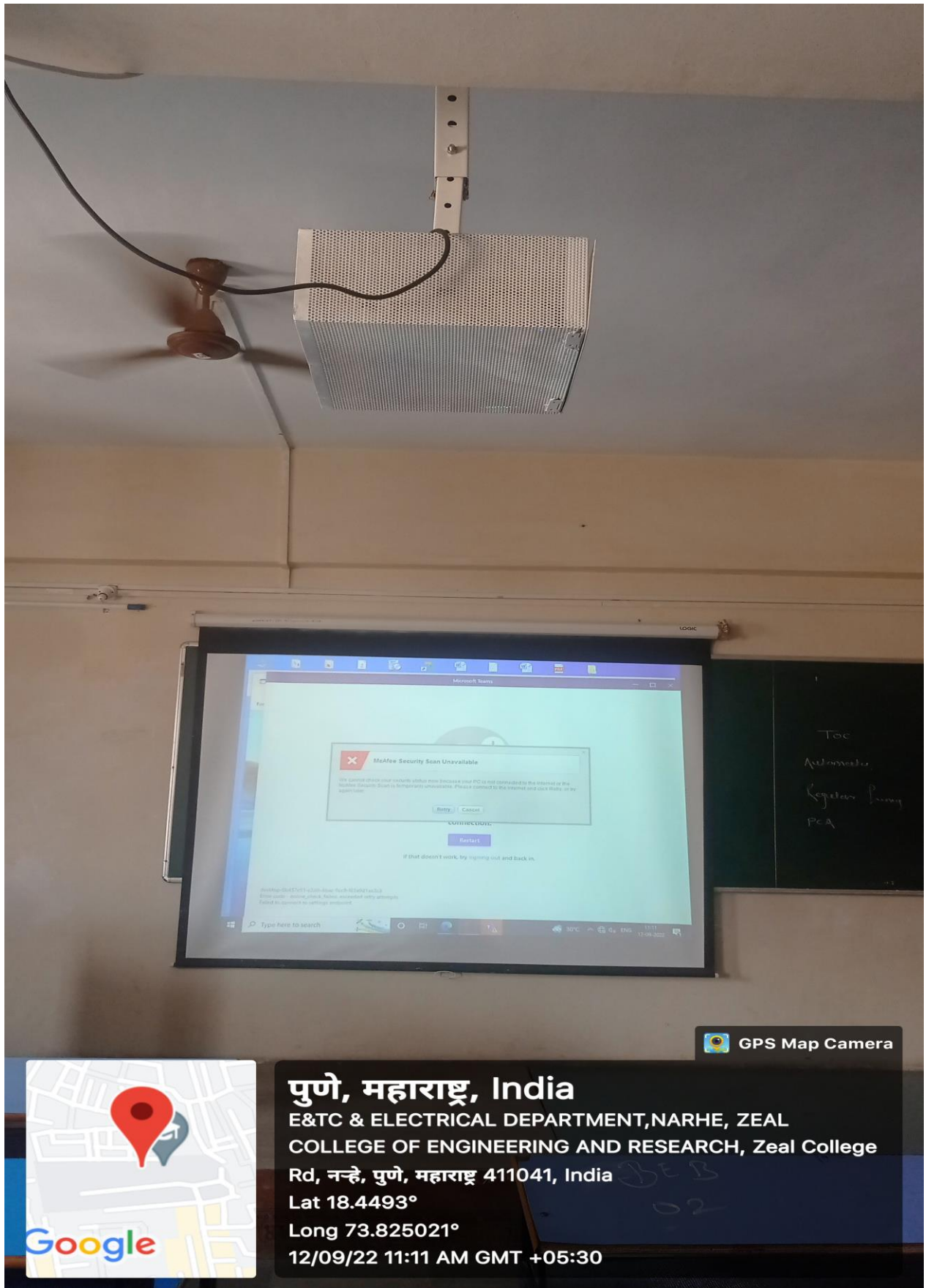
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COLLEGE OF ENGINEERING AND RESEARCH, Zeal College

Rd, नरहे, पुणे, महाराष्ट्र 411041, India

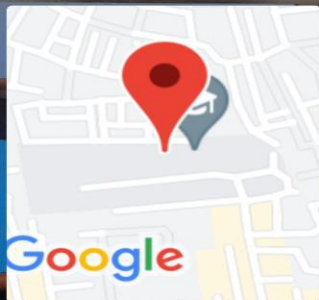
Lat 18.4493°

Long 73.825021°

12/09/22 11:11 AM GMT +05:30



GPS Map Camera



## पुणे, महाराष्ट्र, India

E&TC & ELECTRICAL DEPARTMENT, NARHE, ZEAL  
COLLEGE OF ENGINEERING AND RESEARCH, Zeal College

Rd, नरहे, पुणे, महाराष्ट्र 411041, India

Lat 18.4493°

Long 73.825021°

12/09/22 11:11 AM GMT +05:30





D5-14  
**CLASS ROOM**

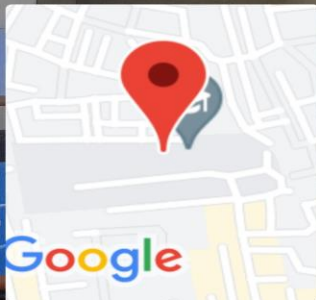
GPS Map Camera



**पुणे, महाराष्ट्र, India**  
E&TC & ELECTRICAL DEPARTMENT, NARHE, ZEAL  
COLLEGE OF ENGINEERING AND RESEARCH, Zeal College  
Rd, नरहे, पुणे, महाराष्ट्र 411041, India  
Lat 18.4493°  
Long 73.825021°  
12/09/22 11:12 AM GMT +05:30



 GPS Map Camera



## पुणे, महाराष्ट्र, India

E&TC & ELECTRICAL DEPARTMENT, NARHE, ZEAL  
COLLEGE OF ENGINEERING AND RESEARCH, Zeal College

Rd, नन्हे, पुणे, महाराष्ट्र 411041, India

Lat 18.449287°

Long 73.825086°

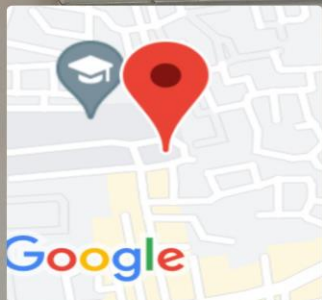
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**g) First Year Department**

**Cass Room**







**Pune, Maharashtra, India**

Zeal College Rd, Narhe, Pune, Maharashtra

411041, India

Lat 18.448815°

Long 73.82634°

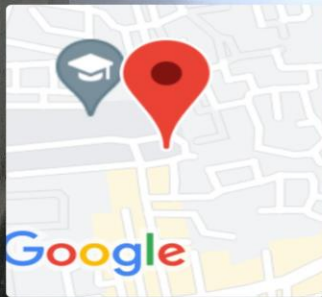
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Paper No:- [58  
Date - 24/08/2022  
Exam start  
Exam end  
Paper No- [5860f-403  
Strategic Management  
4110-2022)



GPS Map Camera



**Pune, Maharashtra, India**

Zeal College Rd, Narhe, Pune, Maharashtra

411041, India

Lat 18.448815°

Long 73.82634°

12/09/22 12:20 PM GMT +05:30



GPS Map Camera

**Pune, Maharashtra, India**

Zeal College Rd, Narhe, Pune, Maharashtra

411041, India

Lat 18.448815°

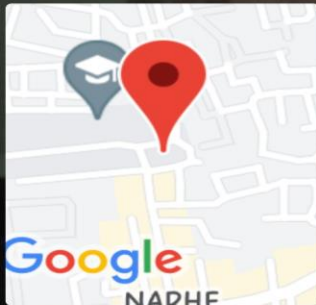
Long 73.82634°

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 GPS Map Camera



## Pune, Maharashtra, India


46/2, Narhe, ZEAL COLLEGE OF ENGINEERING AND RESEARCH, Narhe, Pune, Maharashtra 411041, India

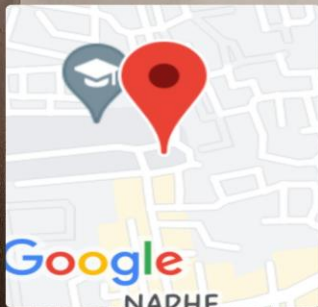
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 GPS Map Camera



## Pune, Maharashtra, India

46/2, Narhe, ZEAL COLLEGE OF ENGINEERING AND RESEARCH, Narhe, Pune, Maharashtra 411041, India

Lat 18.448862°

Long 73.826249°

12/09/22 12:28 PM GMT +05:30



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**Pune, Maharashtra, India**  
CRXG+MFR, Narhe, Pune, Maharashtra 411041,  
India  
Lat 18.44909°  
Long 73.826291°  
12/09/22 12:24 PM GMT +05:30





SWITCH OFF  
FANS  
IN CASE  
OF FIRE



 GPS Map Camera

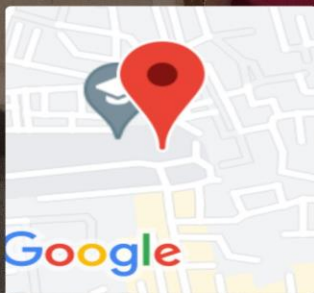


**Pune, Maharashtra, India**  
CRXG+FH4, Narhe, Pune, Maharashtra 411041,  
India  
Lat 18.448753°  
Long 73.826636°  
12/09/22 12:24 PM GMT +05:30



➤ **Photographs of seminar room.**

a) **Mechanical**

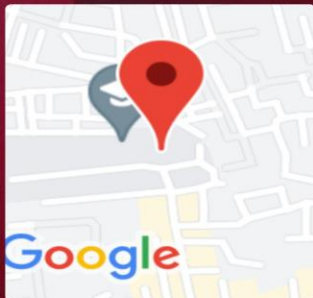


**Pune, Maharashtra, India**  
CRXG+MFR, Narhe, Pune, Maharashtra 411041,  
India  
Lat 18.449169°  
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12/09/22 12:54 PM GMT +05:30





 GPS Map Camera



**Pune, Maharashtra, India**

CRXG+MFR, Narhe, Pune, Maharashtra 411041,

India

Lat 18.449197°

Long 73.825896°

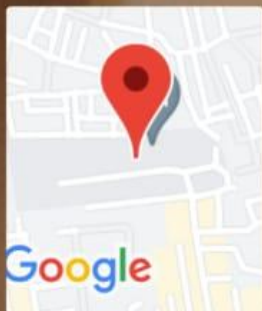
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b) Shri Chhatrapati Shivaji Maharaj Auditorium



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**Pune, Maharashtra, India**

CRXG+J5R, Narhe, Pune, Maharashtra 411041,  
India

Lat 18.449126°

Long 73.82516°

21/09/22 11:45 AM GMT +05:30

