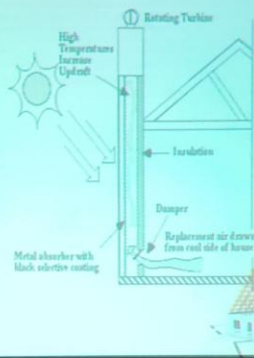


## STACK VENTILATION

- Stack ventilation uses temperature differences to move air
- Thermal chimney effects can be integrated into the house with open stairwells and atria



Vijayawada, Andhra Pradesh, India

SRK College Bus Stop, NH16, Enikepadu, Vijayawada, Andhra Pradesh 521108, India

Lat N 16° 31' 3.9432"

Long E 80° 41' 59.5932"

11/04/21 05:57 PM



**Thiessen polygon method**

- ▶ More accurate than AAM.

**Procedure:**

- ▶ Joint the rain gauge stations by straight lines
- ▶ Construct the perpendicular bisectors of each of these lines form polygons.
- ▶ Find the area of these polygons



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SRK Institute Of Technology, Enikepadu, Vijayawada, Andhra Pradesh 521108, India  
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Long E 80° 42' 0.4896"  
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**Vijayawada, Andhra Pradesh, India**

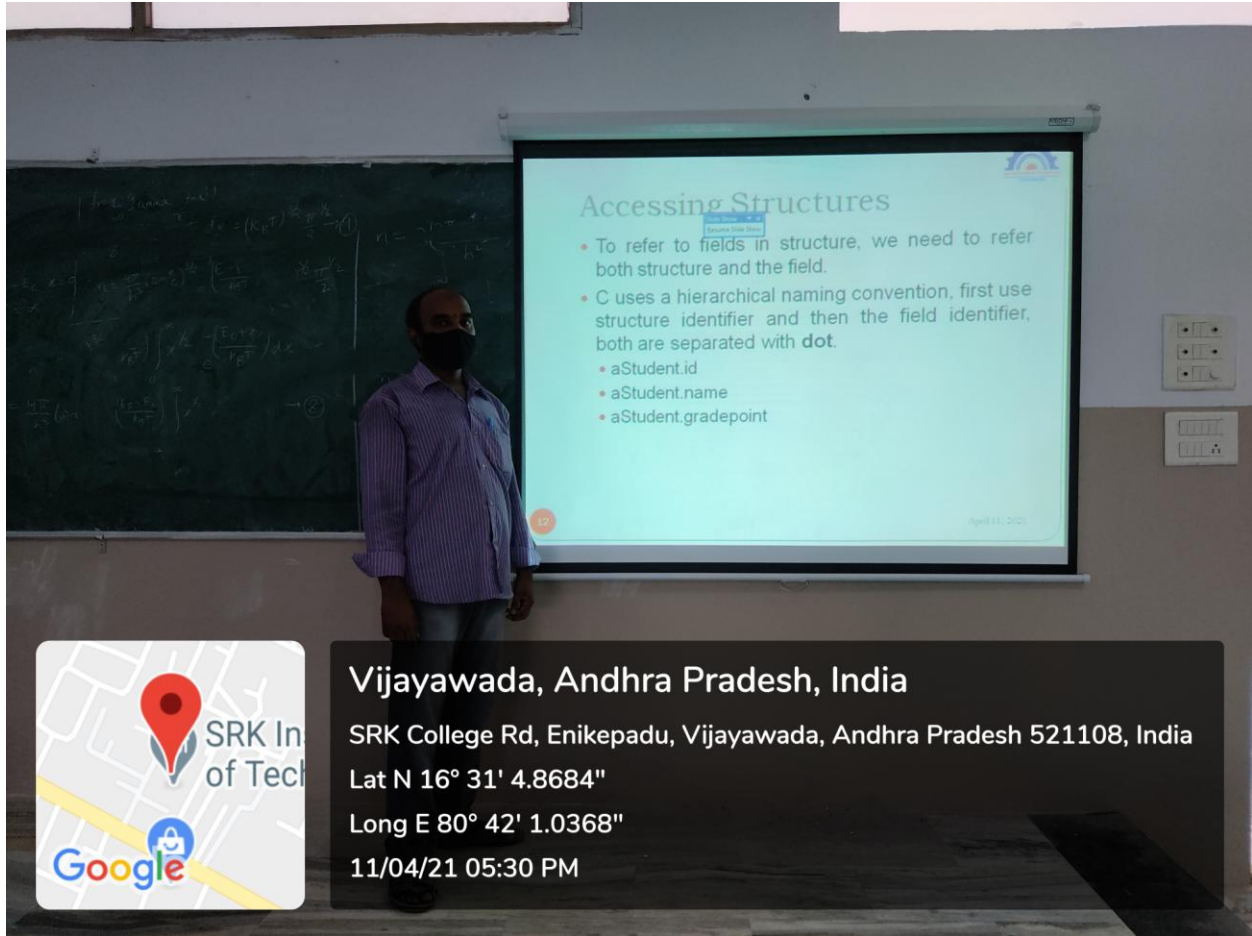
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**A-110 Civil Engineering Projector, Projector Stand, Projector Screen, System**



## Vijayawada, Andhra Pradesh, India

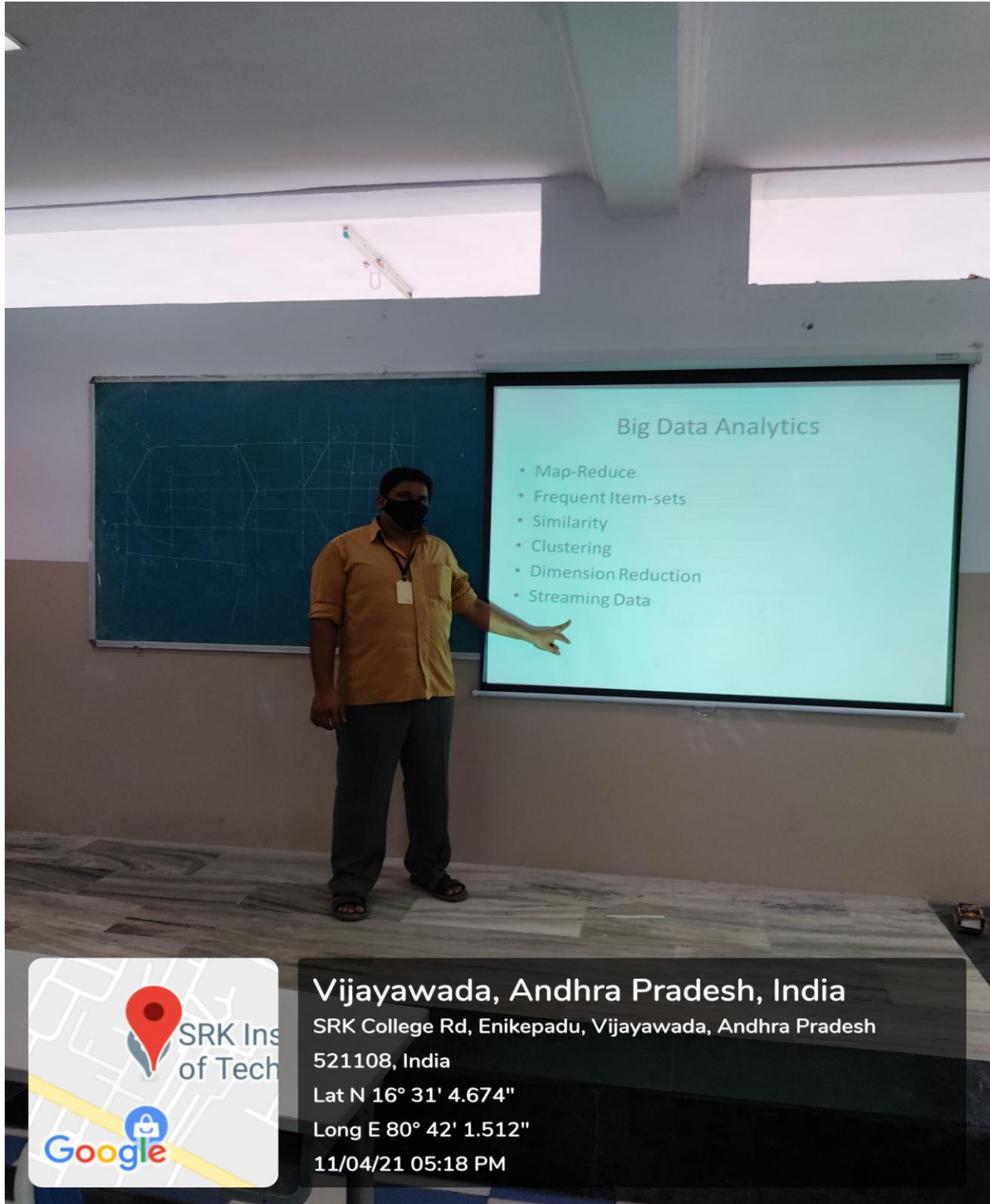
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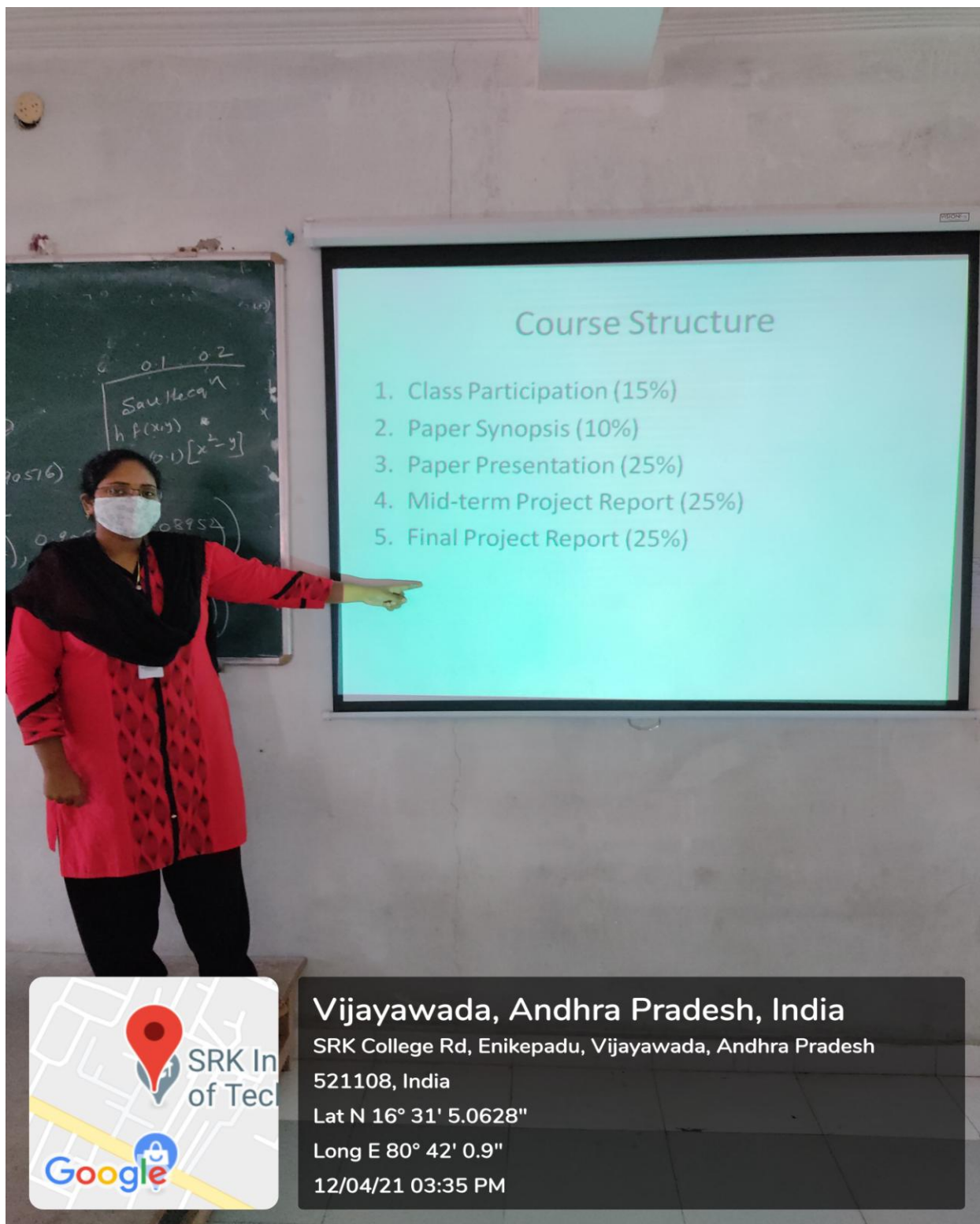
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**A-111 Civil Engineering Projector, Projector Screen, System**

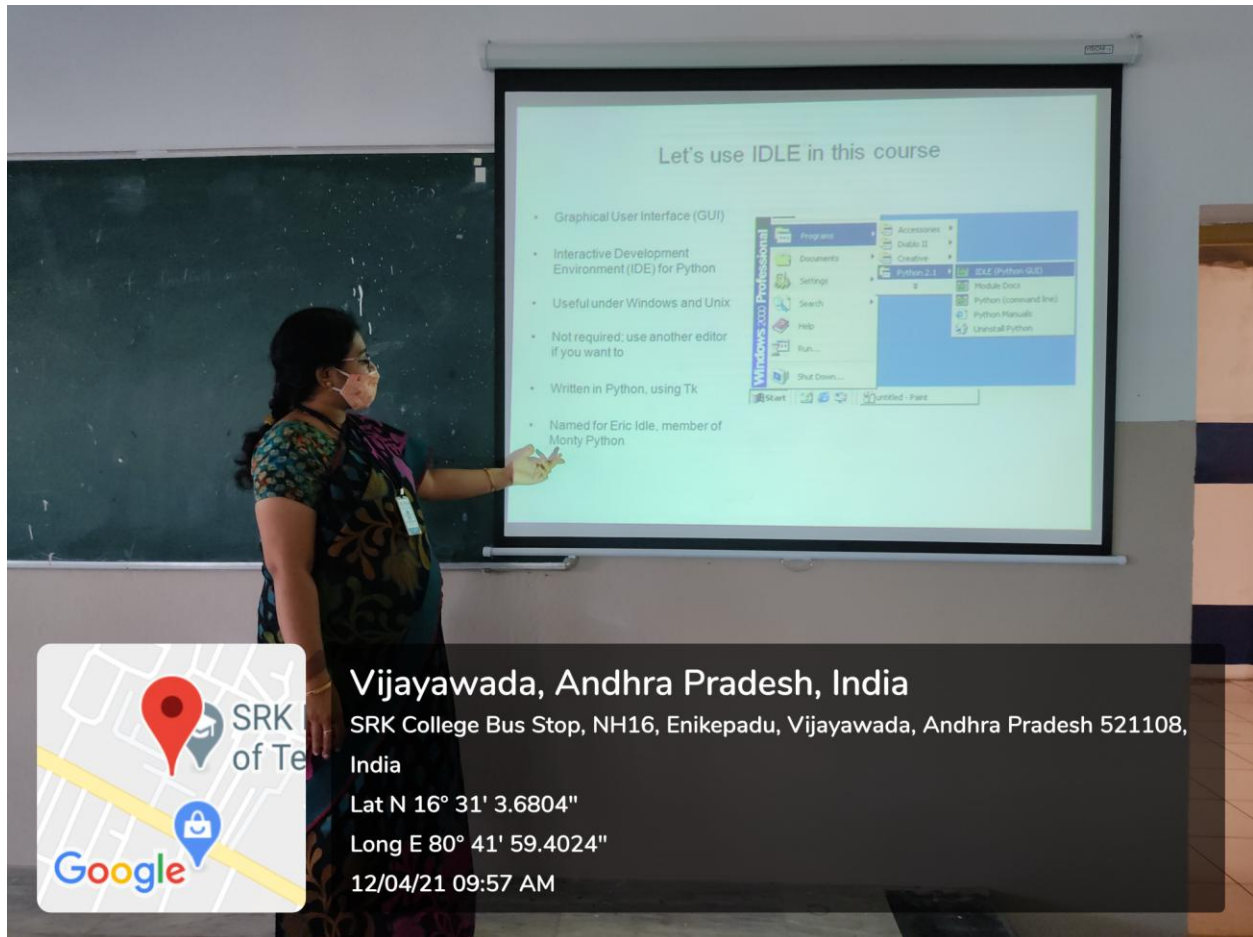


**Vijayawada, Andhra Pradesh, India**  
SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh  
521108, India  
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Long E 80° 42' 1.512"  
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**A-112 Civil Engineering**



**A-117 Science and Humanities**



## Vijayawada, Andhra Pradesh, India

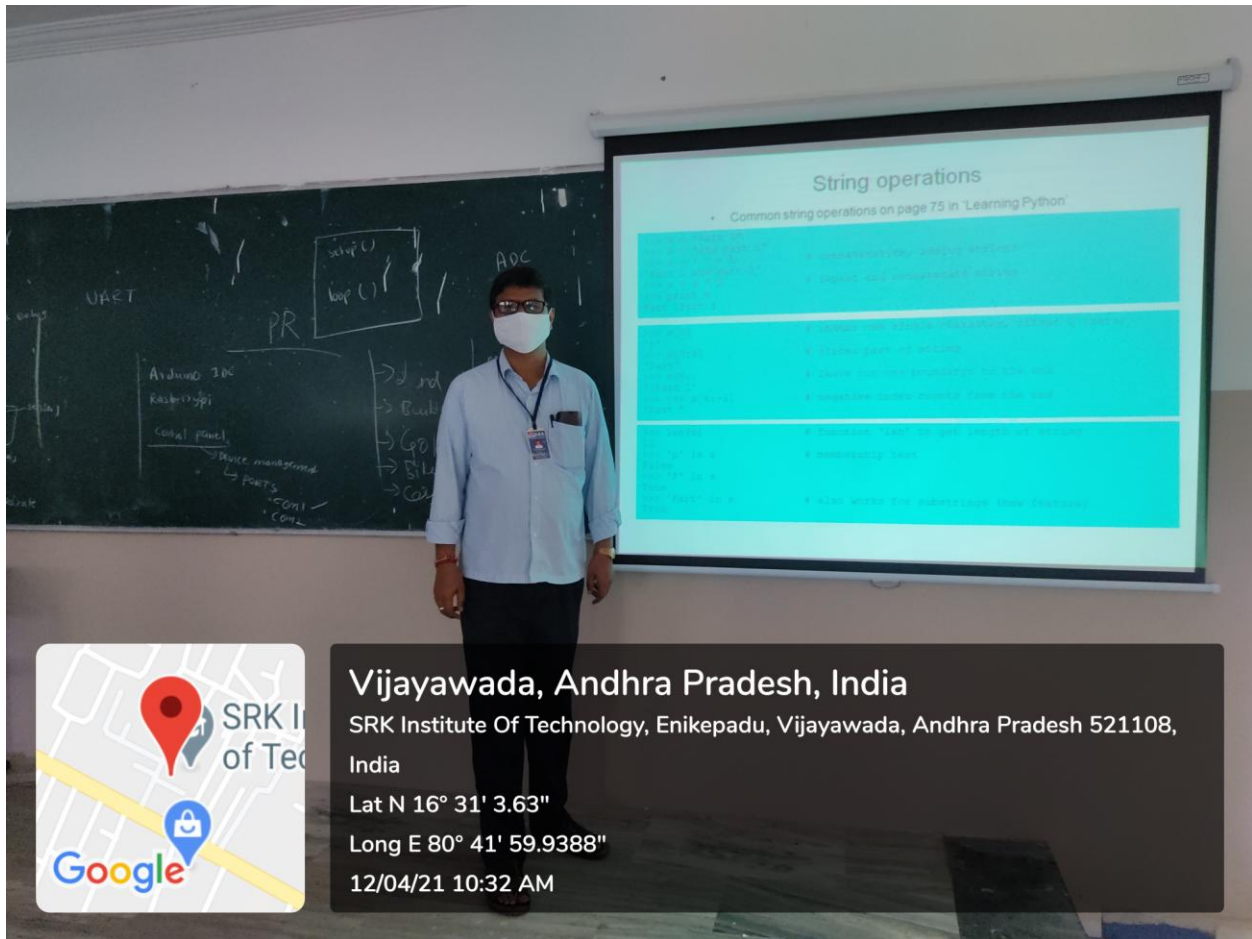
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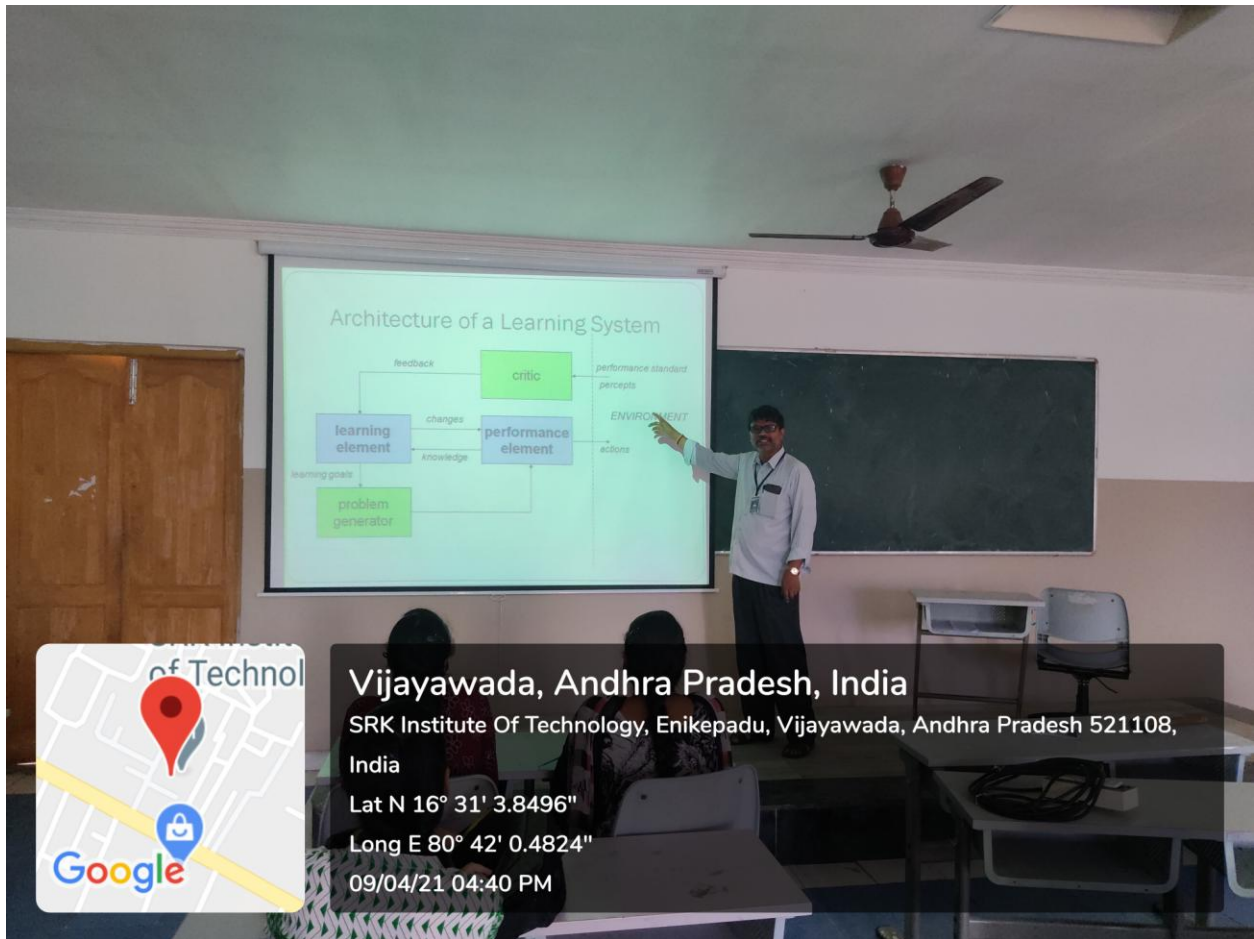
12/04/21 09:57 AM

**A-201 Computer Science and Engineering**



**A-202 Computer Science and Engineering Department Projector, Projector Screen, System**





**A-203 Computer Science and Engineering Department Projector, Projector Screen, System**



**A-204 Computer Science and Engineering Department Projector, Projector stand, Projector Screen, System**



**Vijayawada, Andhra Pradesh, India**

SRK Institute Of Technology, Enikepadu, Vijayawada, Andhra Pradesh 521108,  
India

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Long E 80° 42' 0.6948"

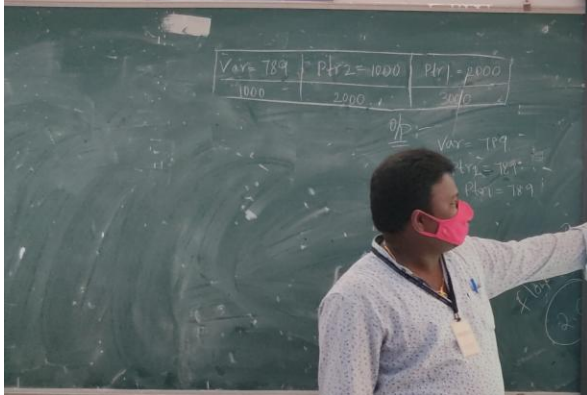
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**A-205 Computer Science and Engineering Department Projector, Projector Screen, System**



**A-210 Computer Science and Engineering Department Projector, Projector Screen, System**

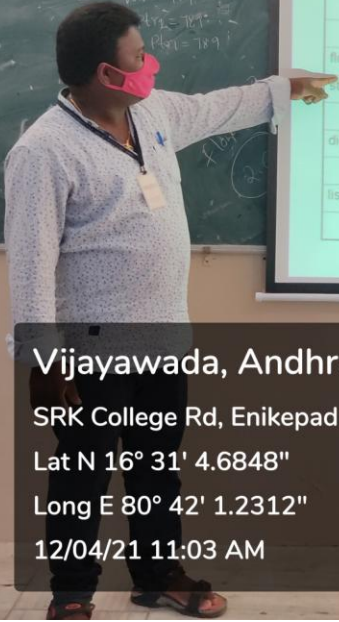
LECTURE HALL



### Built-in types and their Boolean interpretations

int	0	False
	-1	True
	124	True
float	0.0	False
str	""	False
	"False"	True
dict	{}	False
	{"key": "val"}	True
list	[]	False
	[False]	True

- All built-in types can be used directly in 'if' statements
- Zero-valued numbers are False
- All other numbers are True
- Empty containers (str, list, dict) are False
- All other container values are True
- Use function 'bool' to get explicit value



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Long E 80° 42' 1.2312"

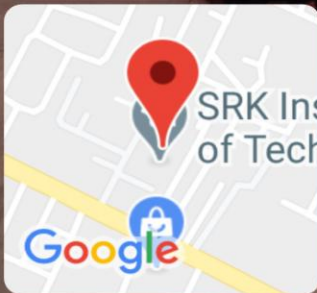
12/04/21 11:03 AM

A-211 Master of Computer Applications Projector, Projector Screen, System



## Features of Python

- A script language
- Interpreted
  - No compile/link stage
  - Write and run
  - Slow compared to C, C++
- Elegant design; "tight"
- Designed for
  - Quick-and-dirty scripts
  - Reusable modules
  - Very large systems
- Object-oriented
  - Very well-designed
  - But you don't have to use it
- Useful error messages
- Automatic memory handling
- Independent of operating system
  - Works on both Unix and Windows
  - Even file system code can be made os-independent
- Large library of standard modules
- Large number of third-party modules
- Integration with external C code
- Well documented



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521108, India

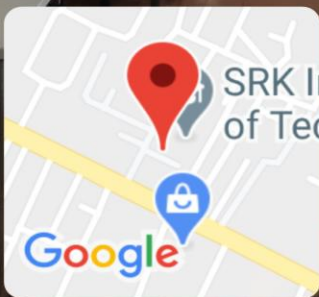
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**A-214 Computer Science and Engineering**



Vijayawada, Andhra Pradesh, India

SRK Institute Of Technology, Enikepadu, Vijayawada, Andhra Pradesh 521108, India

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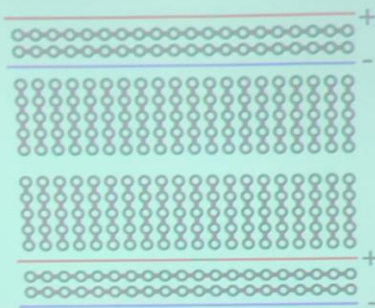
**A-301 Electronics and Communications Engineering Projector, Projector Stand, Projector Screen, System**



## What is a breadboard?

What are they good for?  
Creating, organizing, and prototyping a circuit.

Literally started out as a bread board with nails.



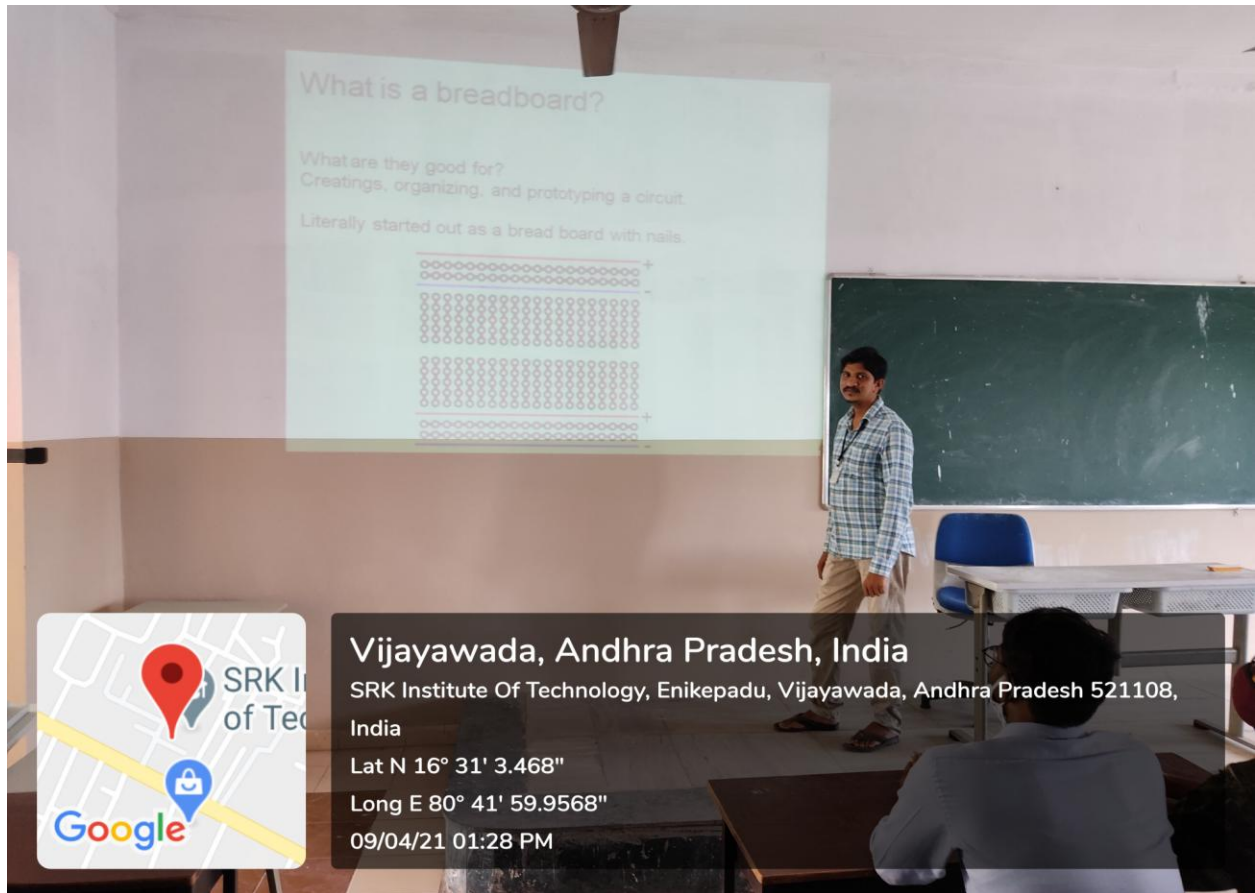
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SRK Institute Of Technology, Enikepadu, Vijayawada, Andhra Pradesh 521108, India

Lat N 16° 31' 3.6588"

Long E 80° 42' 0.5976"

12/04/21 11:30 AM



**A-303 Electronics and Communications Engineering**



## Vijayawada, Andhra Pradesh, India

SRK Institute Of Technology, Enikepadu, Vijayawada, Andhra Pradesh 521108,  
India

Lat N 16° 31' 3.1116"

Long E 80° 42' 0.4752"

09/04/21 01:38 PM

**A-304 Electronics and Communications Engineering Projector, Projector Stand, Projector Screen, System**





**A-310 Electronics and Communications Engineering Projector, Projector Screen, System**



**A-311 Electrical and Electronics Engineering**



SRK Institute of Technology

### Vijayawada, Andhra Pradesh, India

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Lat N 16° 31' 4.7496"

Long E 80° 42' 1.4724"

12/04/21 03:01 PM

### DS-SSMA (BPSK) Spectra (Tone Jamming)

- Assume DS - BPSK transmission, with a single tone jamming (jamming power  $J$  [W]). The received signal is
 
$$r(t) = \sqrt{2}P_c(t - T_c)\cos(\omega_c t + \theta_c(t)) + \sqrt{2}J\cos(\omega_j t + \phi^j)$$
- The respective PSD of the received chip-rate signal is
 
$$S_r(f) = \frac{1}{2}PT_c \text{sinc}^2[(f - f_c)T_c] + \frac{1}{2}PT_c \text{sinc}^2[(f + f_c)T_c]$$

$$+ \frac{1}{2}J[\delta(f - f_j) + \delta(f + f_j)]$$

Spreading of jammer power
- At the receiver  $r(t)$  is multiplied with the local code  $c(t)$  (*de-spreading*)
 
$$d(t) = \sqrt{2}P_c(t - T_c)\cos(\omega_c t + \theta_c(t)) + \sqrt{2}Jc(t - T_c)\cos(\omega_c t + \phi^j)$$

data
- The received signal and the local code are phase-aligned:
 
$$c(t - T_c)c(t - T_c) = 1 \Rightarrow S_r(f) = \frac{1}{2}PT_c \text{sinc}^2[(f - f_c)T_c] + \frac{1}{2}PT_c \text{sinc}^2[(f + f_c)T_c]$$

Data spectra after phase modulator

$$\frac{1}{2}PT_c \text{sinc}^2[(f - f_c)T_c] + \frac{1}{2}PT_c \text{sinc}^2[(f + f_c)T_c]$$

**A-312 Electrical and Electronics Engineering Projector, Projector Screen, System**



**Characteristics of Spread Spectrum**

- Bandwidth of the transmitted signal  $W$  is much greater than the original message bandwidth (or the signaling rate  $R$ )
- Transmission bandwidth is independent of the message. Applied code is known both to the transmitter and receiver

Narrow band signal  
(data)

Wideband signal  
(transmitted SS signal)

- Interference and noise immunity of SS system is larger, the larger the processing gain  $G_p = W/R = T_c/T_d$
- Multiple SS systems can co-exist in the same band (=CDMA) Increased user independence (decreased interference) for (1) higher processing gain and higher (2) code orthogonality
- Spreading sequence can be very long  $\rightarrow$  enables low transmitted PSD  $\rightarrow$  low probability of interception (especially in military communications)



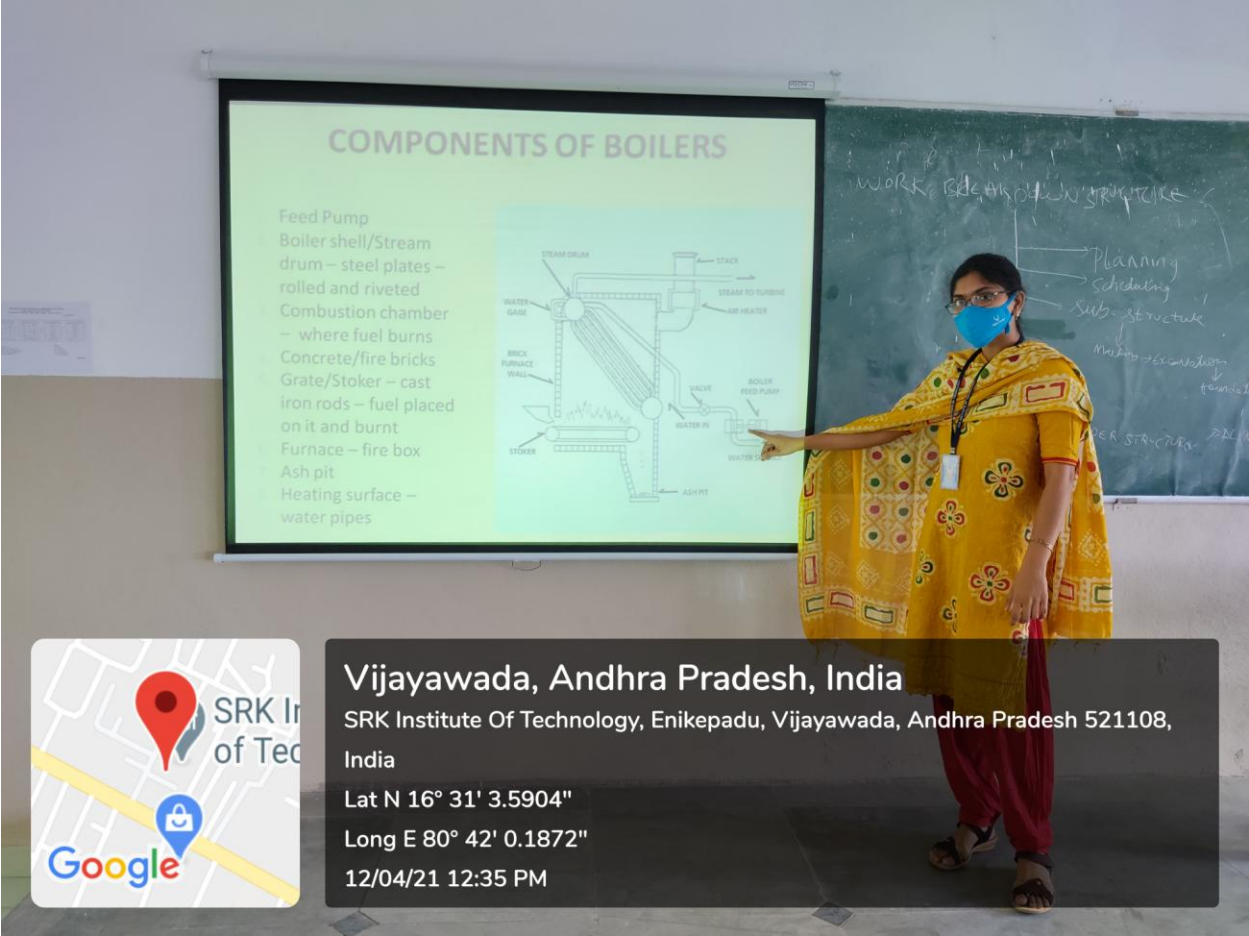
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Enikepadu, Vijayawada,  
521104, AP, India  
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04/09/2021 03:28 PM

**A-314 Electronics and Commutations Engineering Department Projector, Projector Screen, System**





**A-401 Mechanical Engineering Projector, Projector Screen, System**



**Vijayawada, Andhra Pradesh, India**

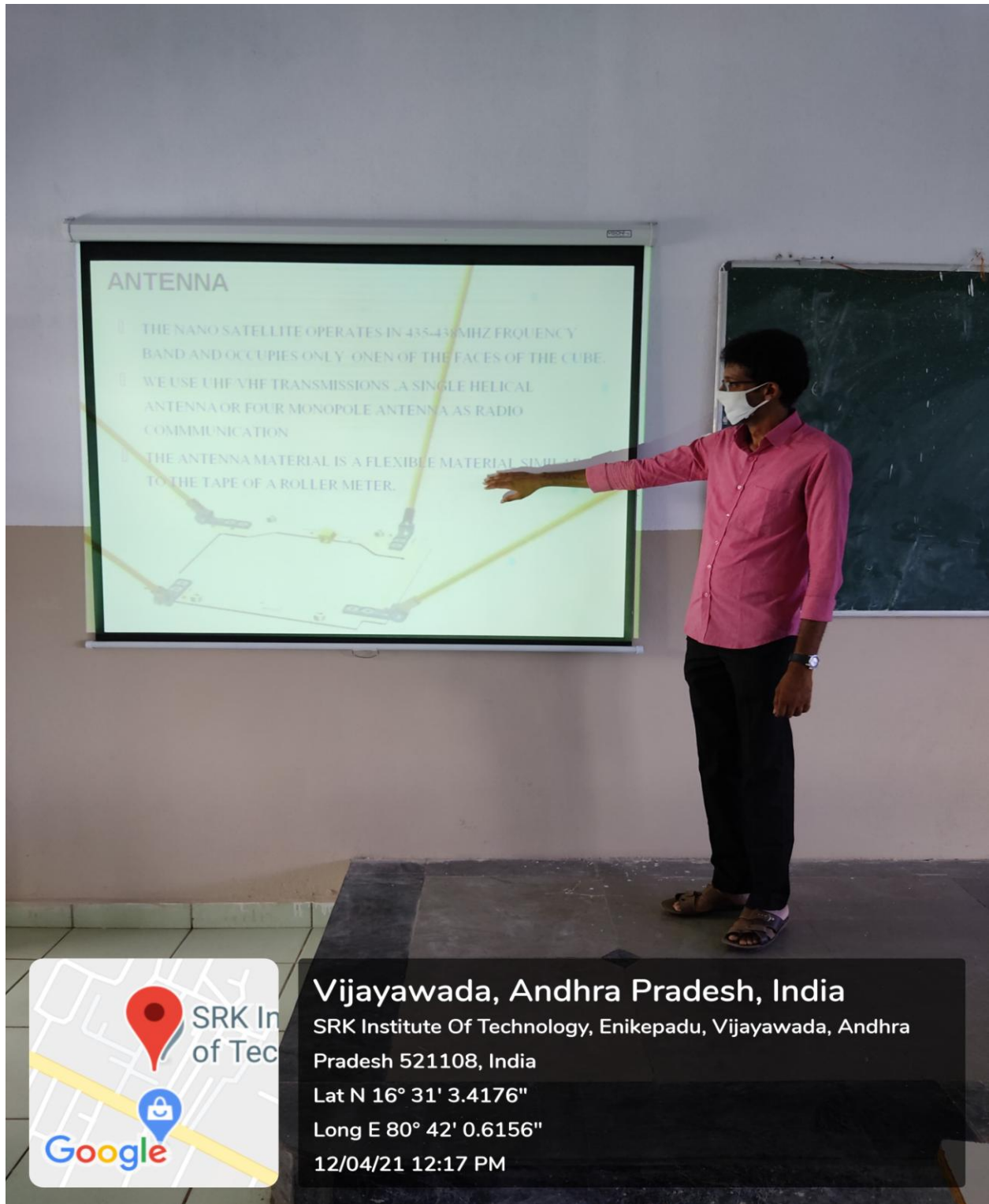
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12/04/21 12:35 PM

**A-402 Mechanical Engineering Projector, Projector Screen, System**



**A-403 Mechanical Engineering Projector, Projector Screen, System**



**A-404 Mechanical Engineering**



## THEORETICAL OVERVIEW

### CAMP FIRE

For a long time, camp fire was the only one utilization method, which supplies heat for heating and for cooking. Heat demands were supplied with ovens and stoves till the mid of 18<sup>th</sup> century. An energy transfer medium is needed to deliver generated heat from the fire place to heat demand. Boilers were made for the first time only for steam generation.



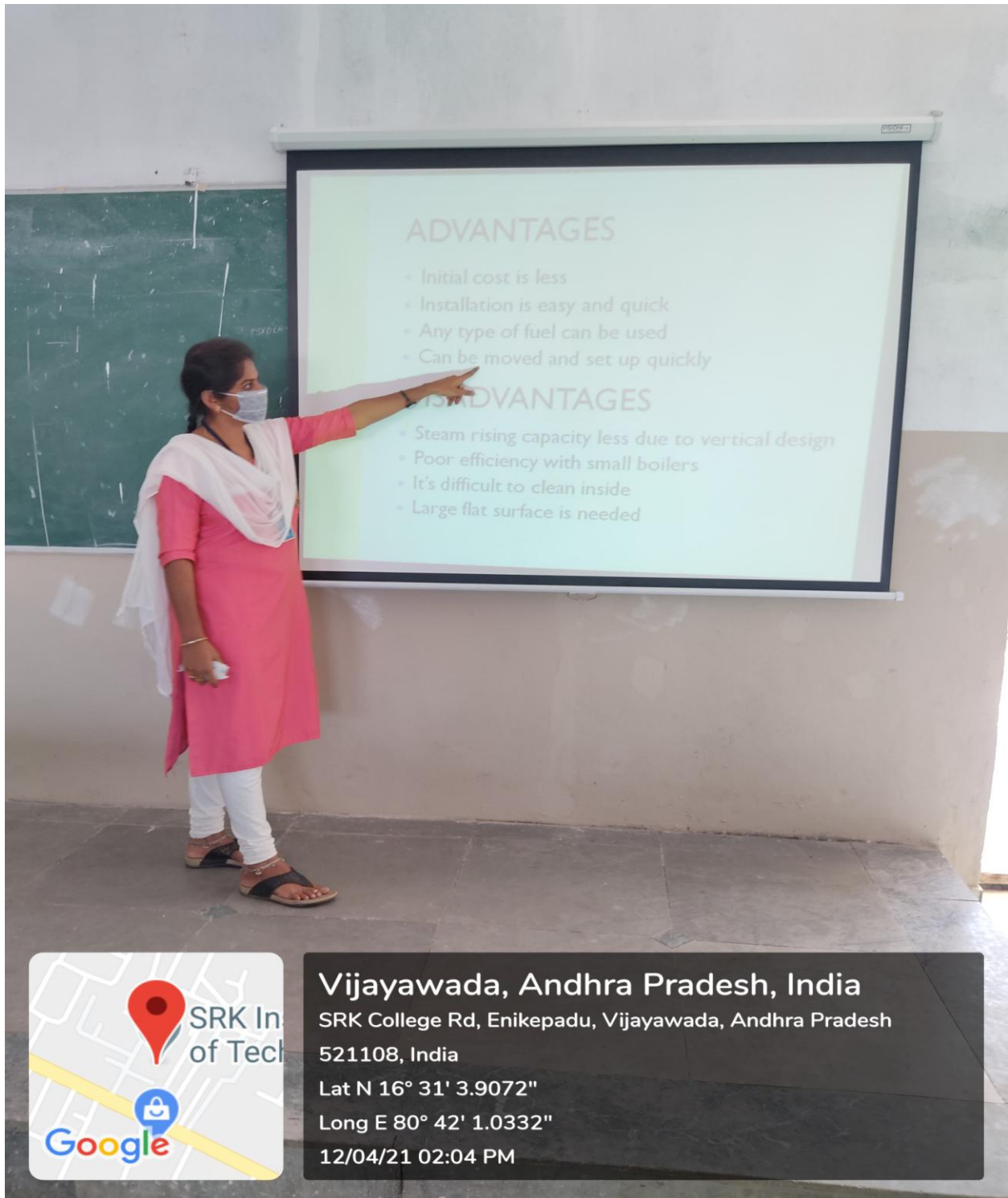
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SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh  
521108, India

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12/04/21 11:58 AM



A-408 Science and Humanities



**Vijayawada, Andhra Pradesh, India**  
SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh  
521108, India  
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Long E 80° 42' 1.1952"  
12/04/21 02:18 PM



Vijayawada, Andhra Pradesh, India

SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh 521108, India

Lat N 16° 31' 4.2888"

Long E 80° 42' 1.3392"

10/04/21 11:02 AM

**A-410 Information Technology Projector, Projector Stand, Projector Screen, System**





Vijayawada, Andhra Pradesh, India

SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh

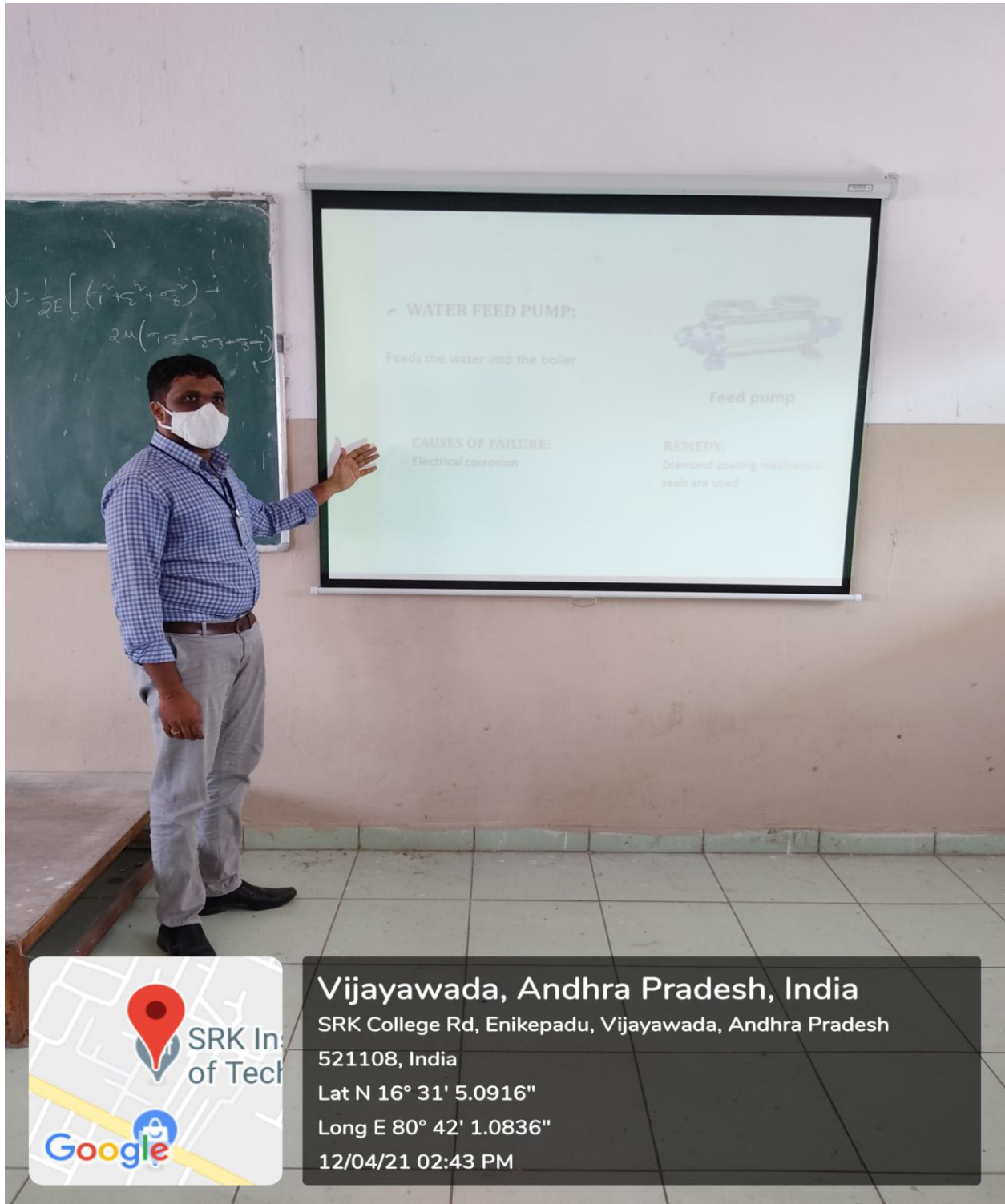
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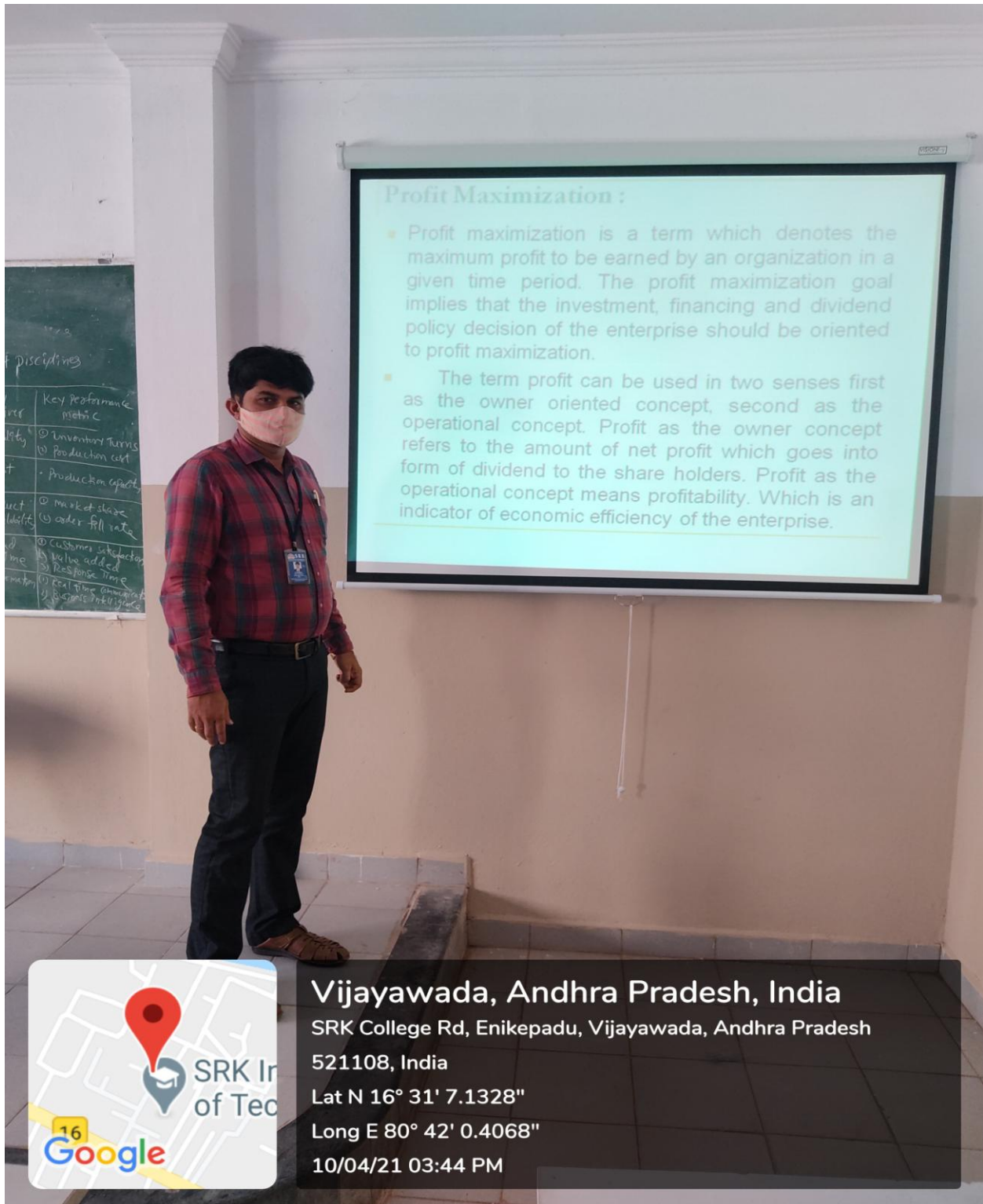
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10/04/21 10:20 AM

A-411 Information Technology Projector, Projector Stand, Projector Screen, System



**A-414 Science and Humanities**



**Profit Maximization :**

- Profit maximization is a term which denotes the maximum profit to be earned by an organization in a given time period. The profit maximization goal implies that the investment, financing and dividend policy decision of the enterprise should be oriented to profit maximization.
- The term profit can be used in two senses first as the owner oriented concept, second as the operational concept. Profit as the owner concept refers to the amount of net profit which goes into form of dividend to the share holders. Profit as the operational concept means profitability. Which is an indicator of economic efficiency of the enterprise.

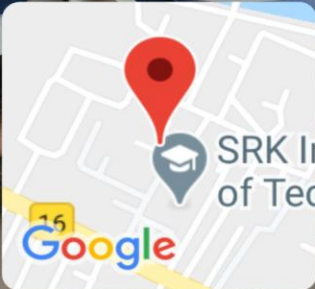
disciplines

	Key Performance Metric
Inventory	Inventory Turns
Production	Production cost
Production	Production capacity
Market	Market share
Order	Order fill rate
Customer	Customer satisfaction
Service	Service added
Response	Response time
Real time	Real time communication
Intelligence	Intelligence



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521108, India  
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**B-101 Science and Humanities**



**Vijayawada, Andhra Pradesh, India**

SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh

521108, India

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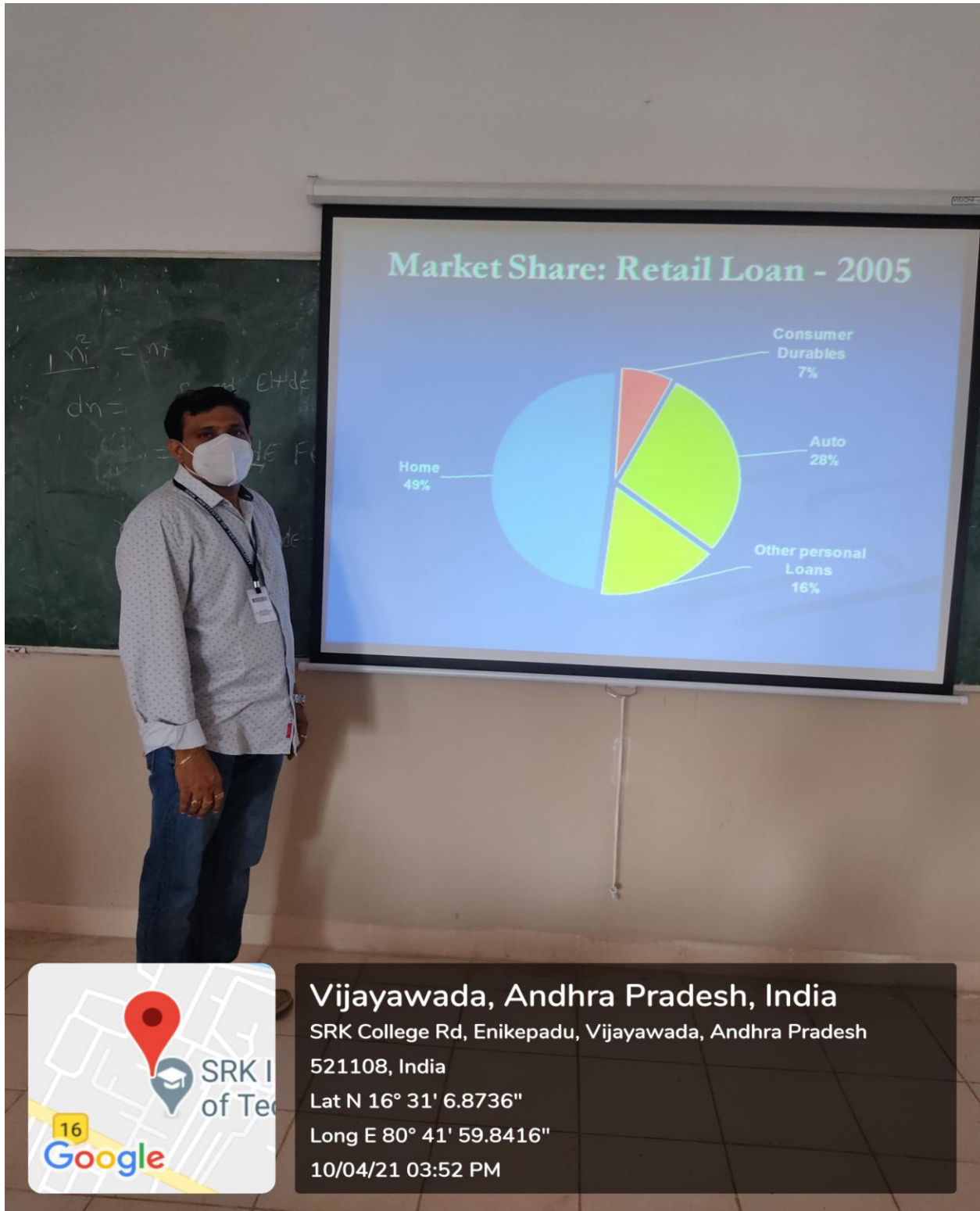
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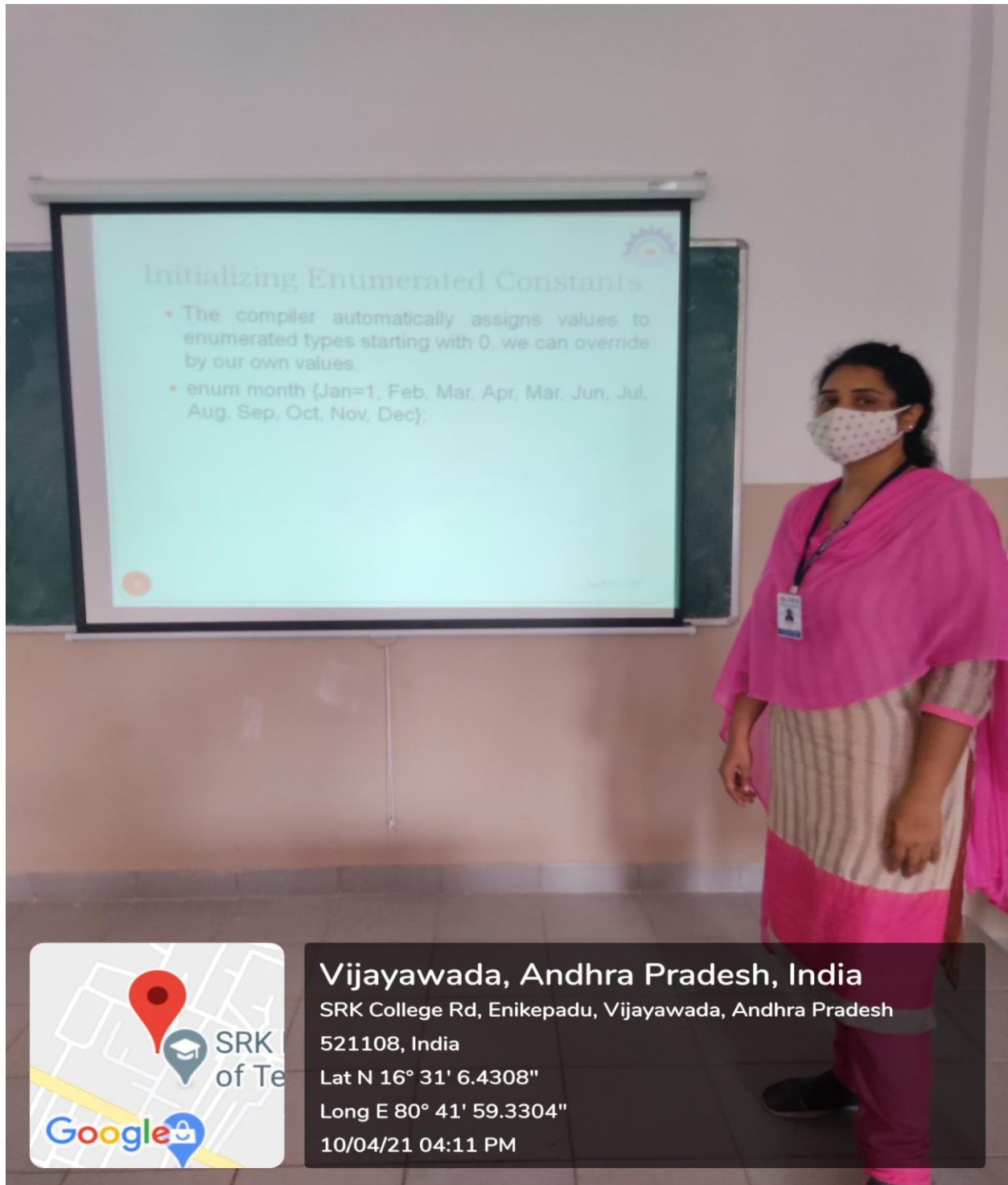
**B-102 Science and Humanities Projector, Projector Screen, System**



**B-103 Science and Humanities**



**B-104 Science and Humanities**



## Initializing Enumerated Constants

- The compiler automatically assigns values to enumerated types starting with 0, we can override by our own values.
- enum month {Jan=1, Feb, Mar, Apr, Mar, Jun, Jul, Aug, Sep, Oct, Nov, Dec};



### Vijayawada, Andhra Pradesh, India

SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh

521108, India

Lat N 16° 31' 6.4308"

Long E 80° 41' 59.3304"

10/04/21 04:11 PM

**B-105 Science and Humanities Projector, Projector Screen, System**



## RETENTION REALITY: WHY THEY JOIN

### What It Takes to Build Retention

#### Select the Right People

- Integrity
- Excellence Above
- Reliability
- Work Ethic
- Job Match

#### Accelerate Employee Productivity

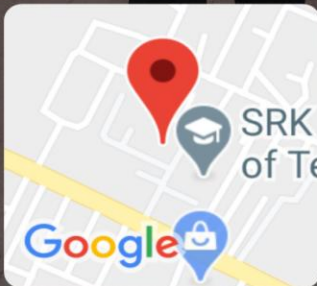
- Rewarding Top Performers
- Training Needs
- Coaching Employees
- Engaged & Competent Workforce

#### Make Managers More Effective

- Applying Management Techniques
- Improving Customer/Client Skills
- Developing Leadership Competencies

High Performance Workforce Solution

Source: [www.danfarrell.com](http://www.danfarrell.com)



**Vijayawada, Andhra Pradesh, India**

SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh

521108, India

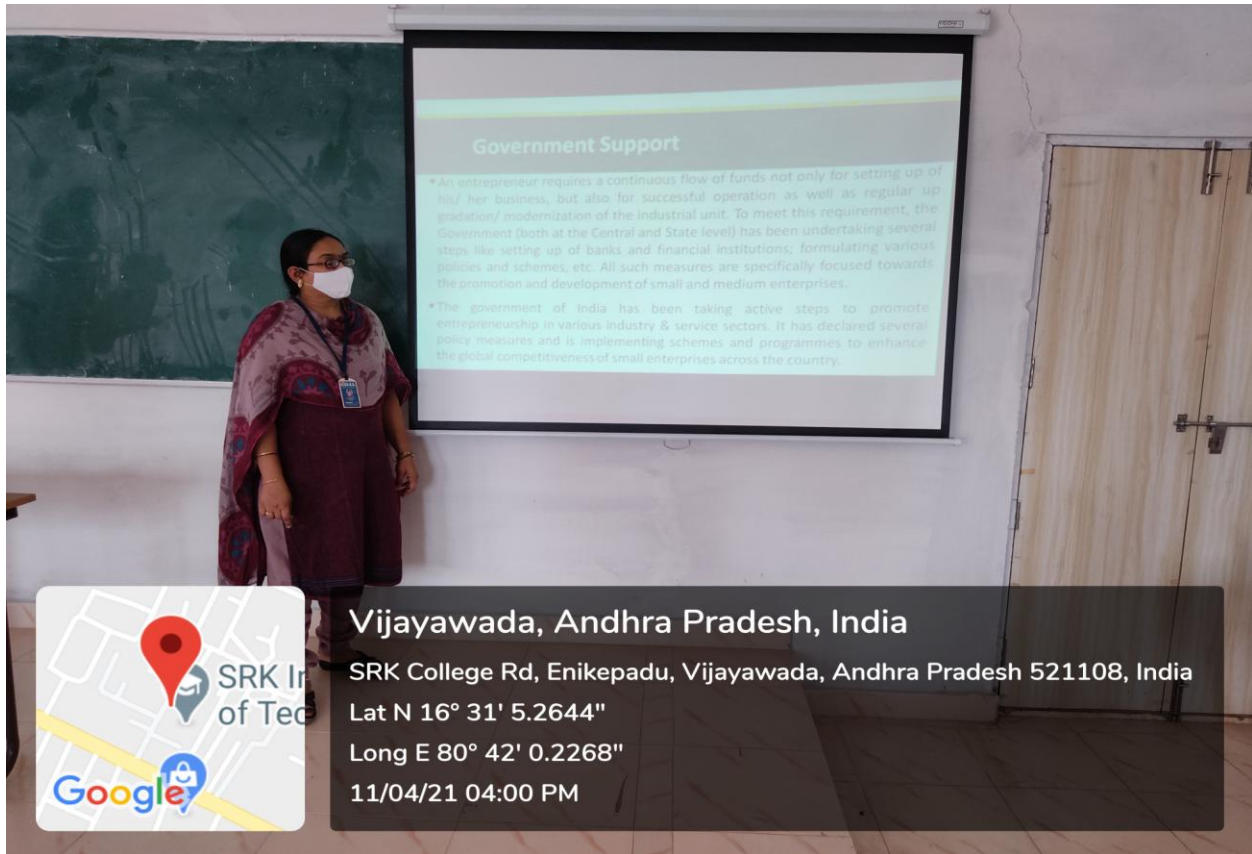
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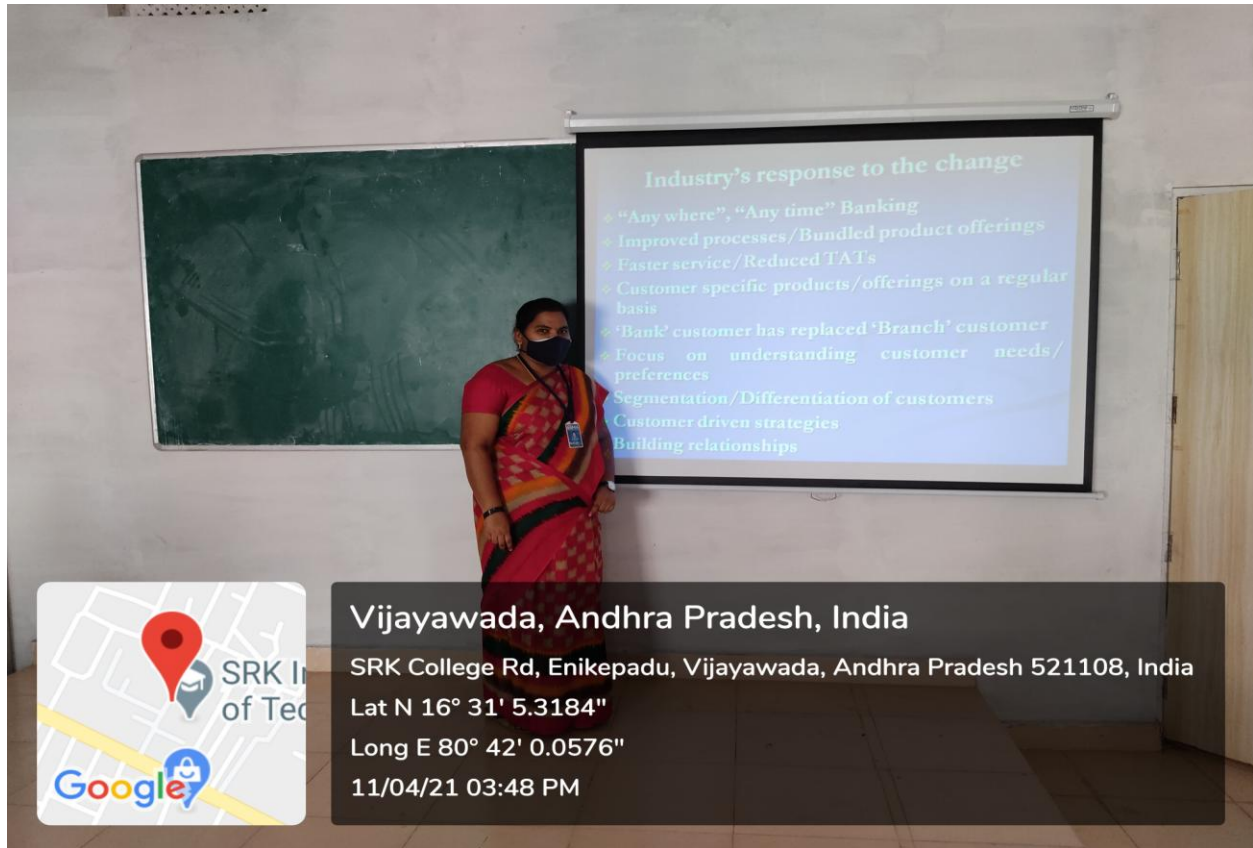
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**B-106 Science and Humanities**





**B-107 Science and Humanities**

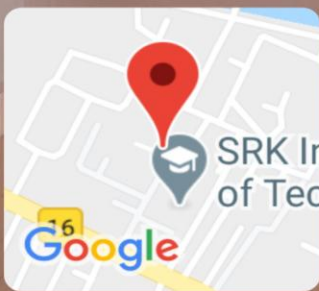


**B-108 Integrated MBA, Projector, Projector Screen, System**



## KEEPING IS CHEAPER THAN REPLACING

- Direct Costs of Replacement
  - Paperwork/Time Exit Interview
  - Recruiting Replacement
  - Interview/Select New Employee
  - On boarding New Employee
  - Training New Employee
  - Depending on the complexity of the job, this process can take at least 3-6 months in most cases.



### Vijayawada, Andhra Pradesh, India

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521108, India

Lat N 16° 31' 7.4532"

Long E 80° 42' 0.27"

11/04/21 03:00 PM

**B-202 Integrated MBA**

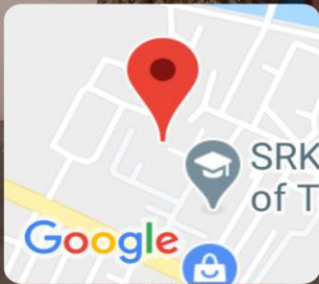


## Problems with E-Mail.



- Communicates emotions poorly
- Reduces politeness and respect
- Inefficient for ambiguous, complex, novel situations
- Increases information overload

9.7



### Vijayawada, Andhra Pradesh, India

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521108, India

Lat N 16° 31' 7.2588"

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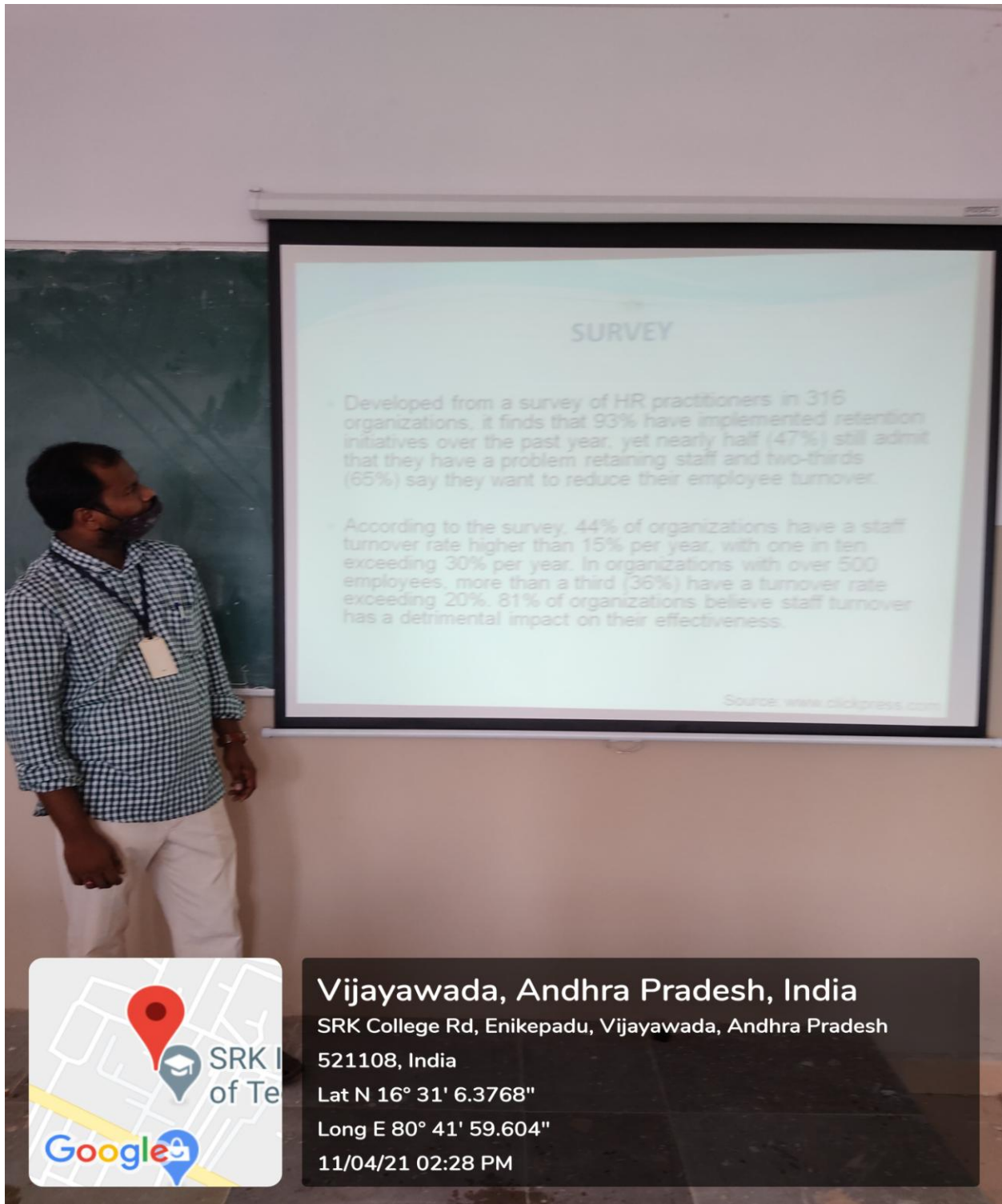
B-204 Integrated MBA

**Communication Process Model**

The diagram illustrates the communication process between a Sender and a Receiver. The Sender's process includes 'Form message' and 'Encode message', leading to 'Transmit Message'. The Receiver's process includes 'Receive encoded message' and 'Decode message', leading to 'Form feedback'. A feedback loop shows 'Form feedback' being 'Encode feedback' and 'Transmit Feedback' back to the Sender, who then 'Decode feedback'. A central 'Noise' oval is shown with arrows pointing to the transmission paths between the Sender and Receiver.

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Lat N 16° 31' 6.852"  
Long E 80° 41' 59.7192"  
11/04/21 12:29 PM

**B-205 Integrated MBA**



## SURVEY

- Developed from a survey of HR practitioners in 316 organizations, it finds that 93% have implemented retention initiatives over the past year, yet nearly half (47%) still admit that they have a problem retaining staff and two-thirds (65%) say they want to reduce their employee turnover.
- According to the survey, 44% of organizations have a staff turnover rate higher than 15% per year, with one in ten exceeding 30% per year. In organizations with over 500 employees, more than a third (36%) have a turnover rate exceeding 20%. 81% of organizations believe staff turnover has a detrimental impact on their effectiveness.

Source: [www.clickpress.com](http://www.clickpress.com)



### Vijayawada, Andhra Pradesh, India

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521108, India

Lat N 16° 31' 6.3768"

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## Vijayawada, Andhra Pradesh, India

Kodali Vaari St, Enikepadu, Vijayawada, Andhra Pradesh

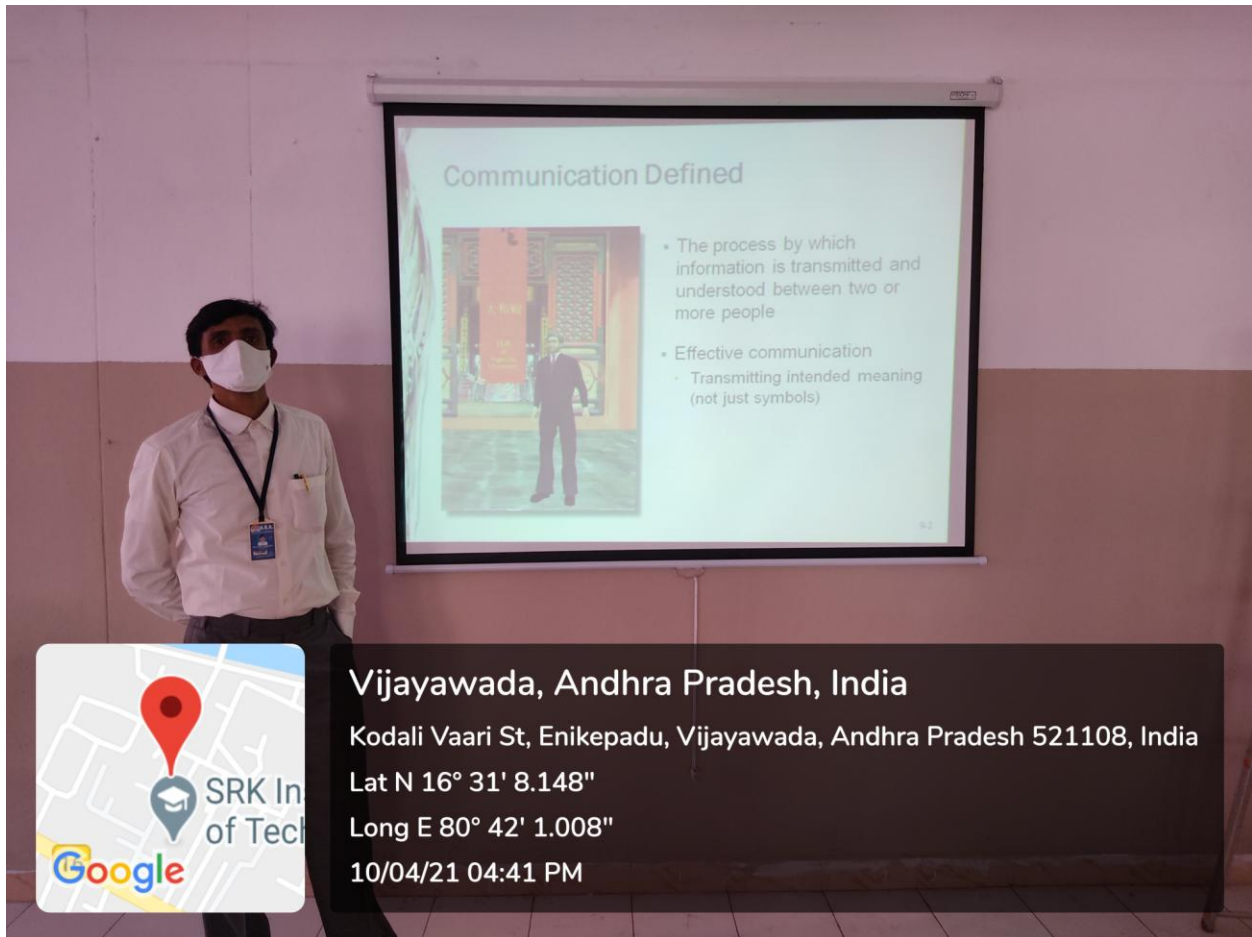
521108, India

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Long E 80° 42' 0.7416"

10/04/21 02:26 PM

C-105 Integrated MBA Projector, Projector Screen, System



## Communication Defined



- The process by which information is transmitted and understood between two or more people
- Effective communication
  - Transmitting intended meaning (not just symbols)



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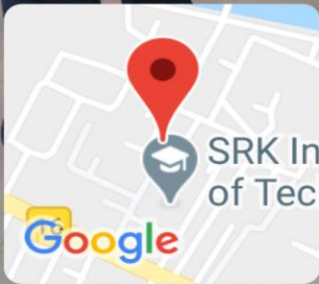
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10/04/21 04:41 PM

**C-108 Master of Business Administration Projector, Projector Screen, System**





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SRK College Rd, Enikepadu, Vijayawada, Andhra Pradesh  
521108, India  
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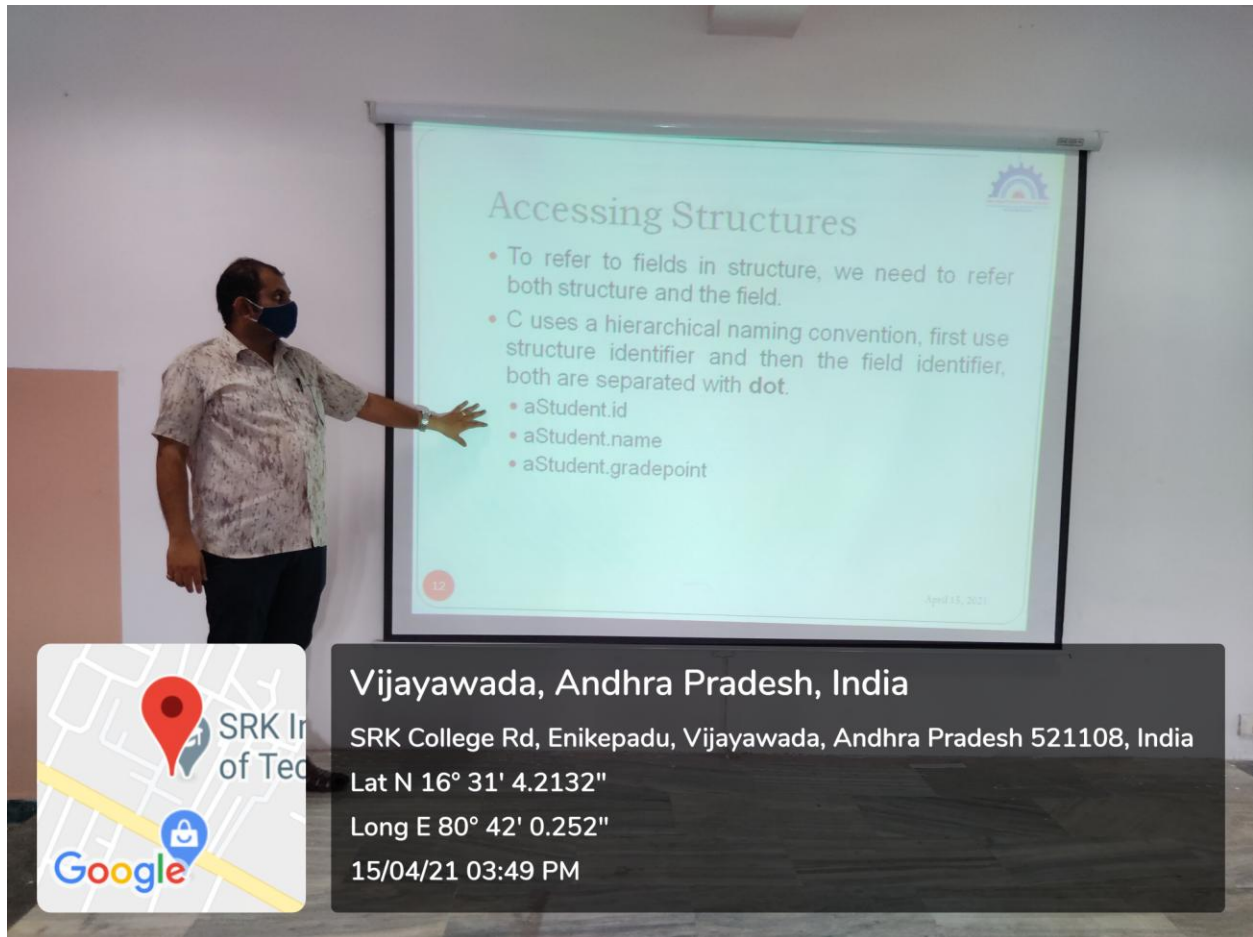
**C-109 Master of Business Administration**



C-110 Master of Business Administration



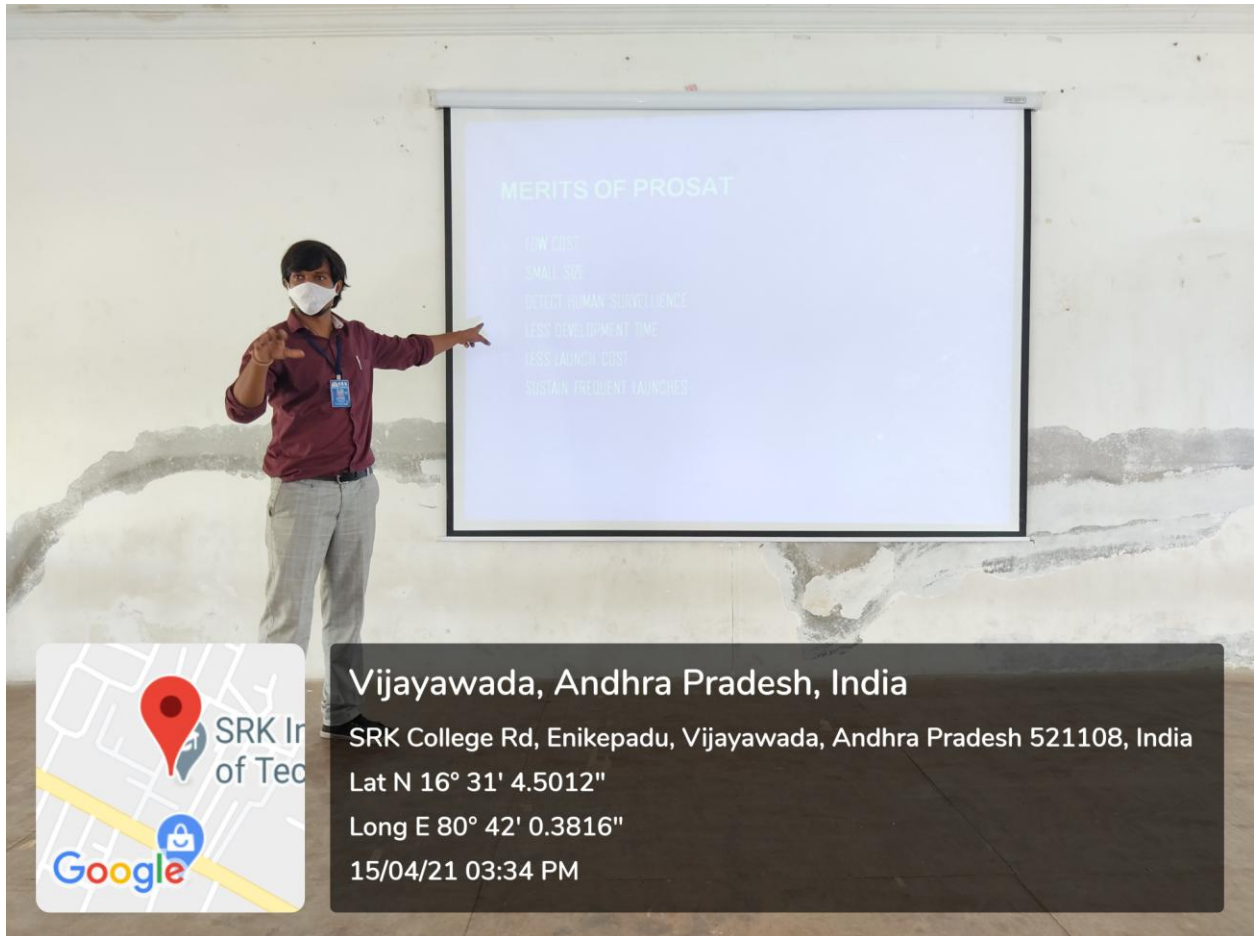
**A-017 Civil Engineering Seminar Hall Projector, Projector Stand, System**



**A-220 Computer Science and Engineering Seminar Hall Projector, Projector Screen, System**



**A-322 Electronics and Communications Engineering Seminar Hall Projector, Projector Screen, System**



**A-417 Mechanical Engineering Seminar Hall Projector, Projector Screen, System**