



VLB Janakiammal College of Arts and Science (AUTONOMOUS)

AFFILIATED TO BHARATHIAR UNIVERSITY

KOVAIPUDUR, COIMBATORE – 641042, TAMILNADU.

NAAC – SSR Cycle III

CRITERIA -IV

4.1.3 ICT FACILITIES –GEOTAGGED PHOTOGRAPHS FOR CLASSROOMS AND SEMINAR HALLS

A-BLOCK



ENTREPRENEUR
DEVELOPMENT CELL
A 008



Kovaipudur, Tamil Nadu, India
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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.845"
Long E 76° 56' 46.1406"



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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.865"
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Solution of Nonlinear Equations

- Some simple equations can be solved analytically:
 $x^2 + 4x + 3 = 0$
Analytic solution roots = $\frac{-4 \pm \sqrt{4^2 - 4(1)(3)}}{2(1)}$
 $x = -1$ and $x = -3$
- Many other equations have no analytical solution:
 $x^9 - 2x^2 + 5 = 0$
 $x = e^{-x}$ } No analytic solution

CS23011_Topic3

Computer Science

Mean

① 5, 10, 15, 5, 20

Sol: $\bar{x} = \frac{\sum x}{N}$

$\bar{x} = \frac{48}{11}$

$\bar{x} = 4.4$

$\frac{5+10+15+5+20}{5} = \frac{55}{5} = 11$

\bar{x}



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Lat N 10° 56' 21.8145"
Long E 76° 56' 46.256"

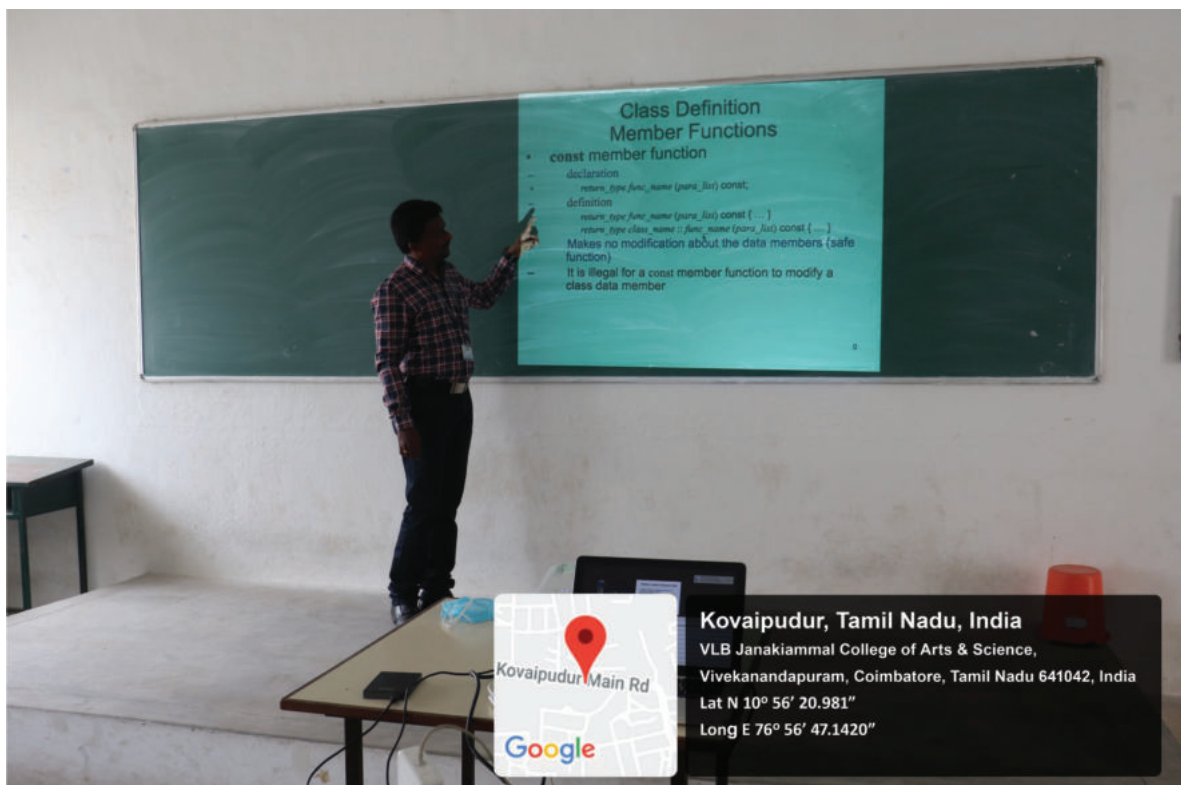


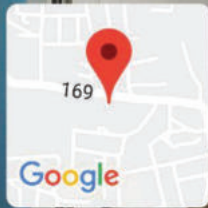
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Cap Implementation

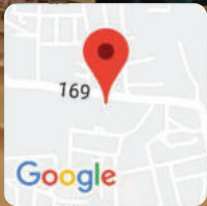
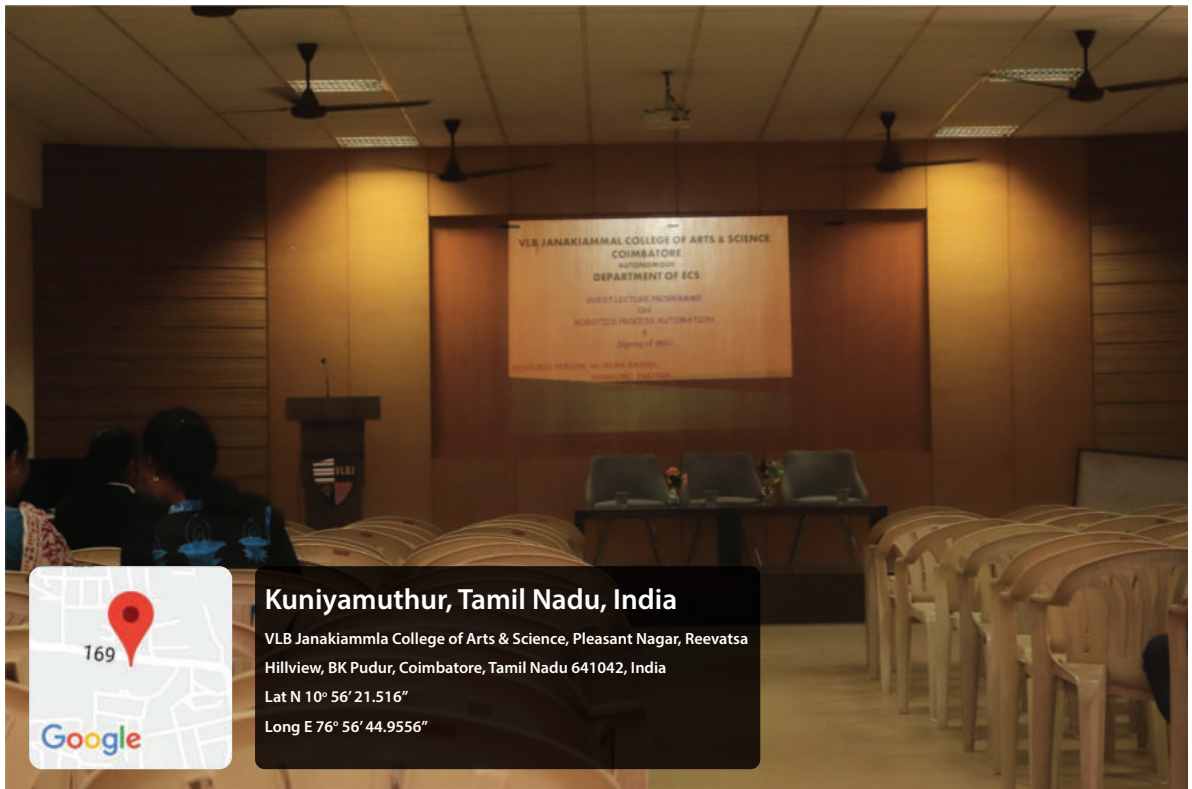
We can implement the thinking cap using a data type called a class.

```
class Rectangle  
{  
    private:  
        int width;  
        int length;  
    public:  
        void set(int w, int l);  
        int area();  
};
```



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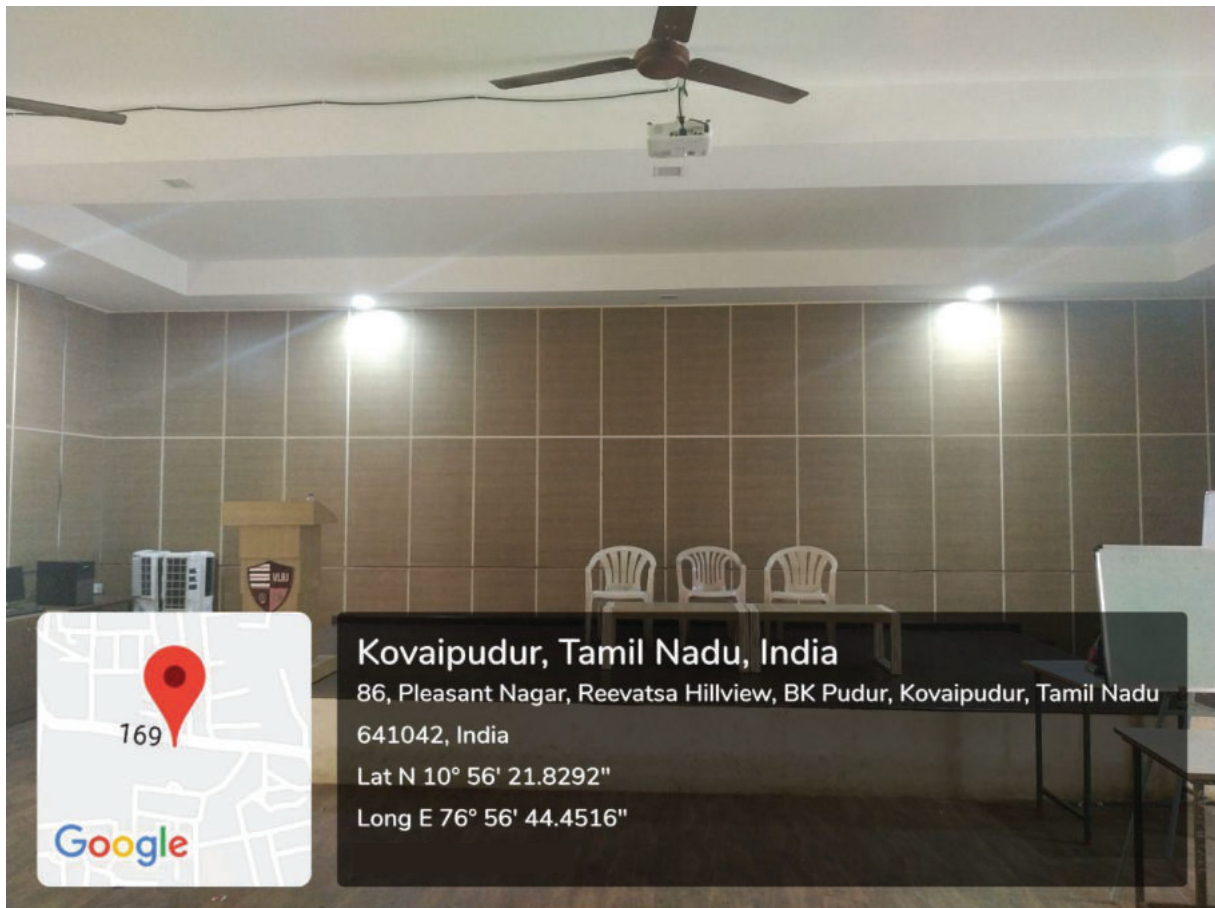


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Long E 76° 56' 44.898"



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Lat N 10° 56' 21.8292"
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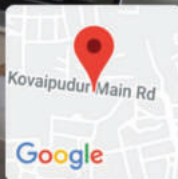


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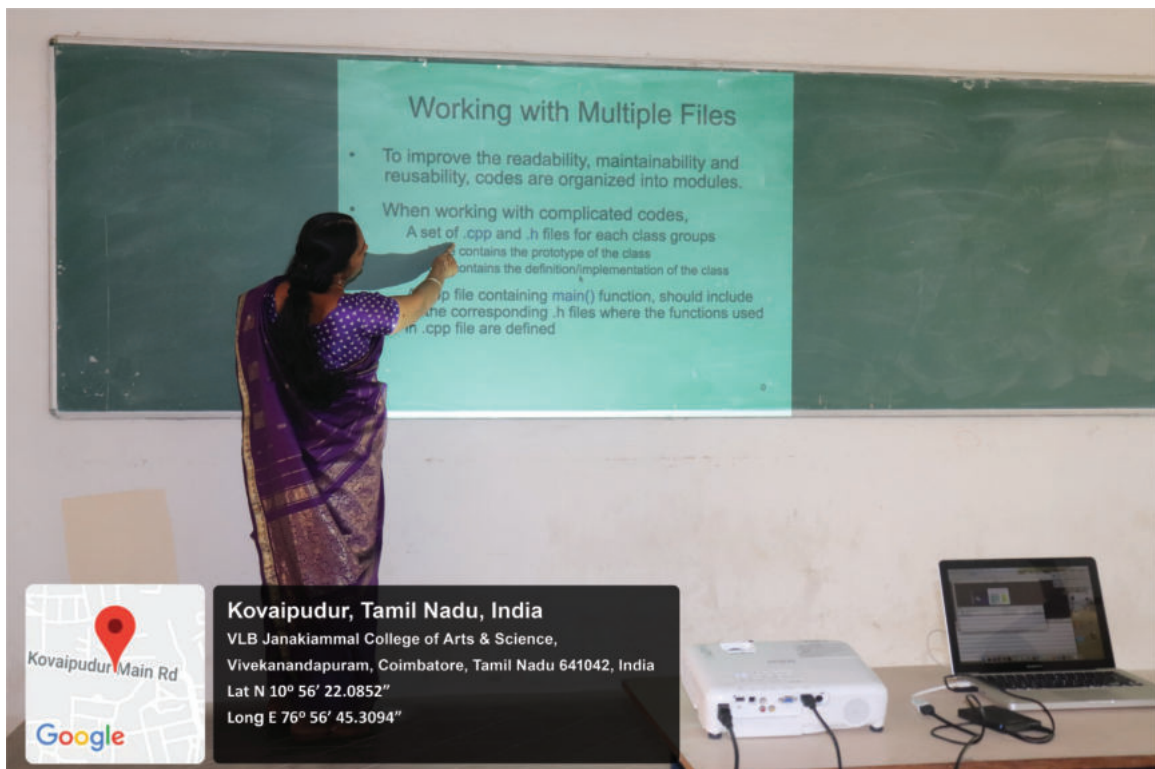
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Kovaipudur, Main Rd



Working with Multiple Files

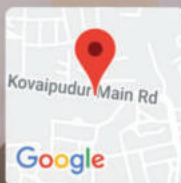
- To improve the readability, maintainability and reusability, codes are organized into modules.
- When working with complicated codes,
 - A set of .cpp and .h files for each class groups
 - contains the prototype of the class
 - contains the definition/implementation of the class
 - A .cpp file containing main() function, should include the corresponding .h files where the functions used in .cpp file are defined

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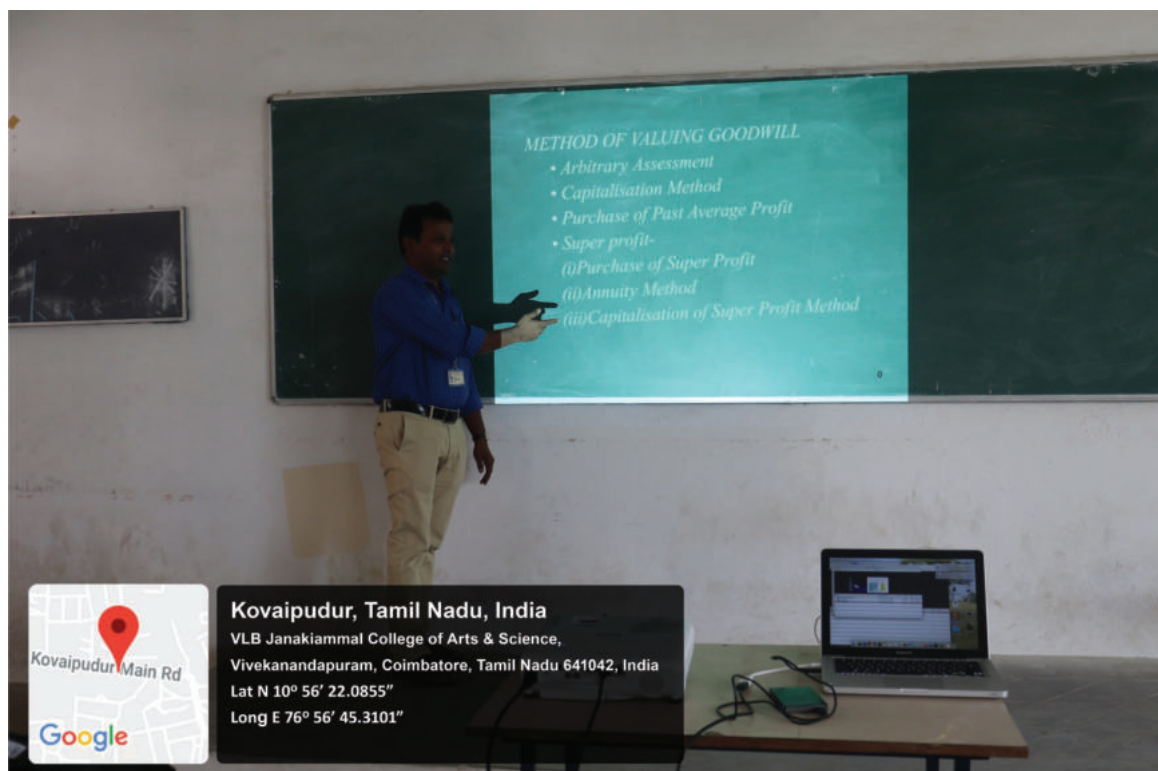
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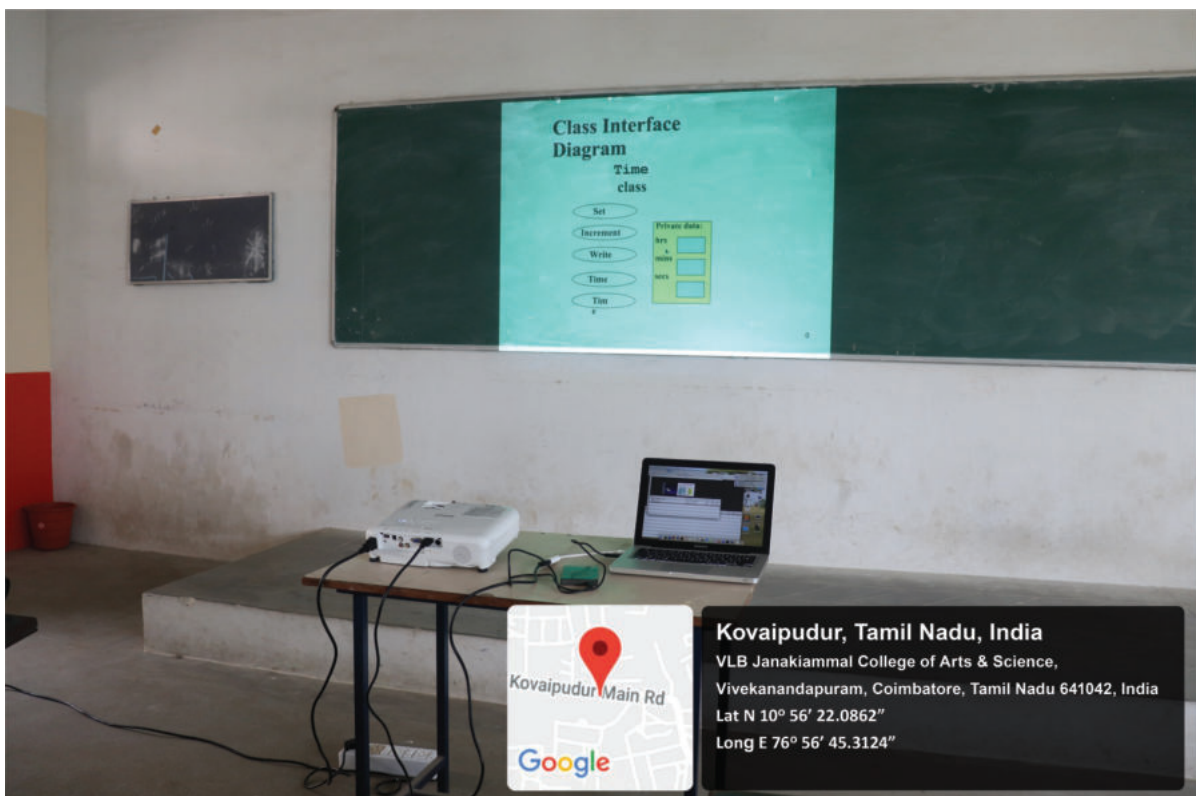
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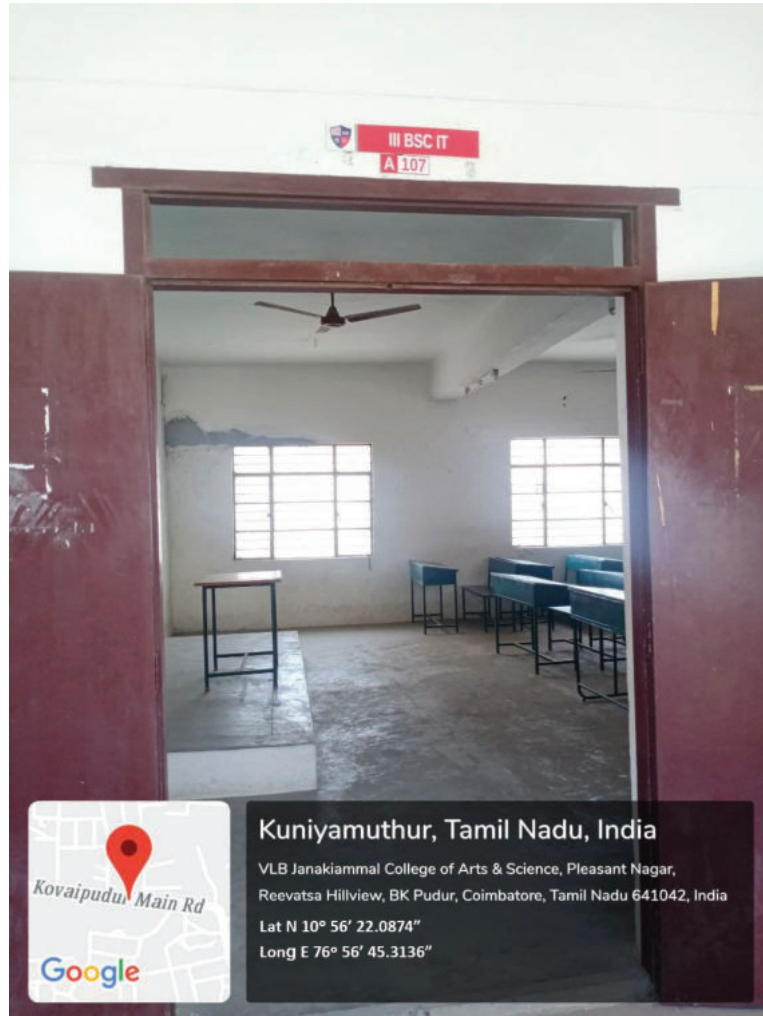


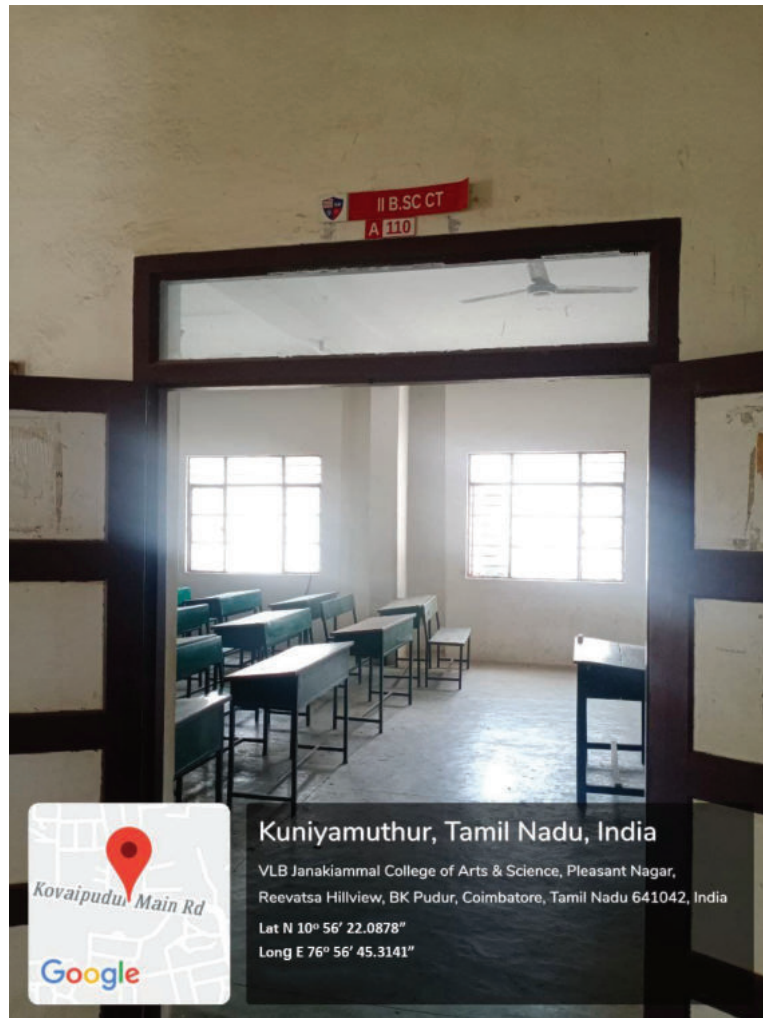
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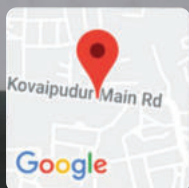
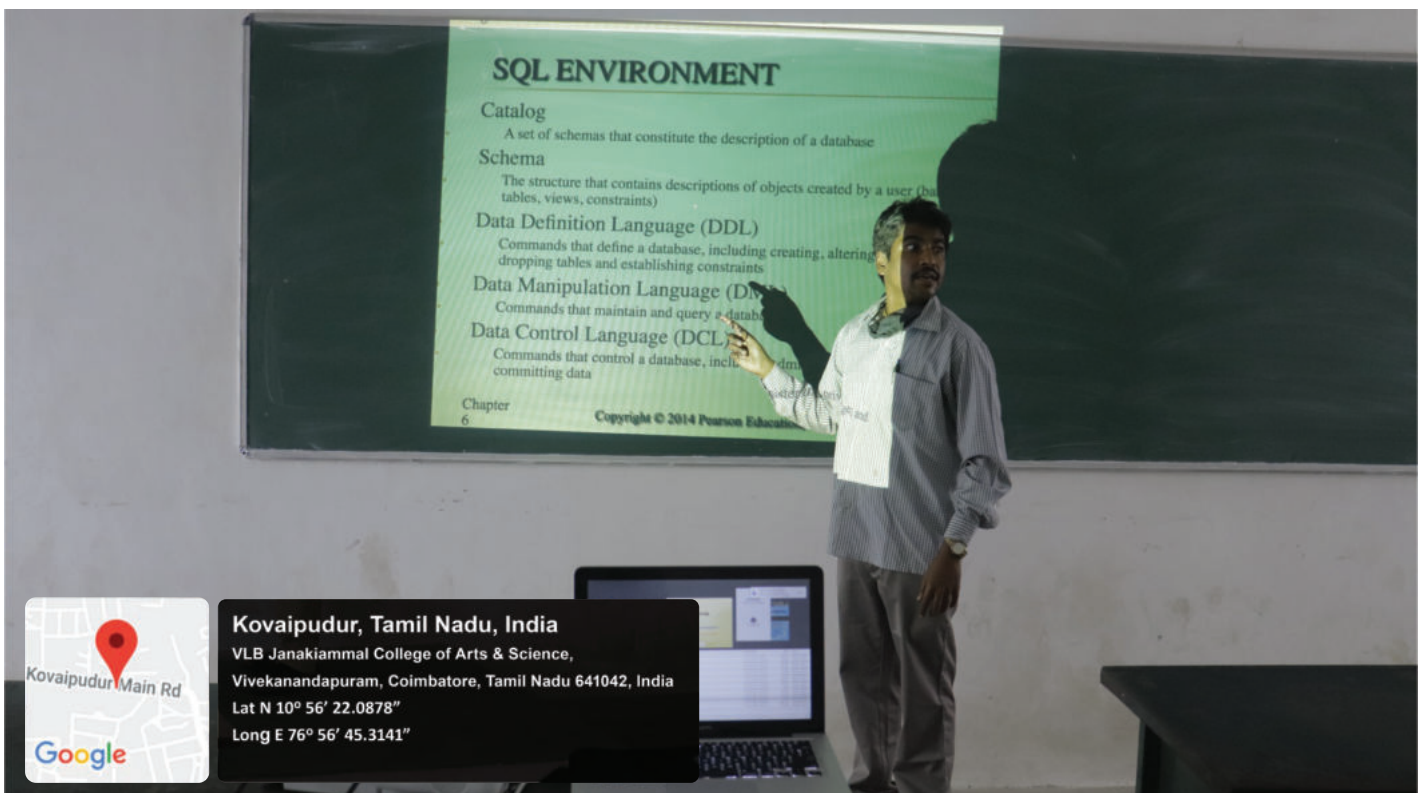




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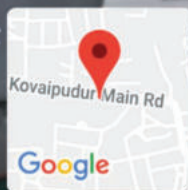
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Information Roles- Mintzberg

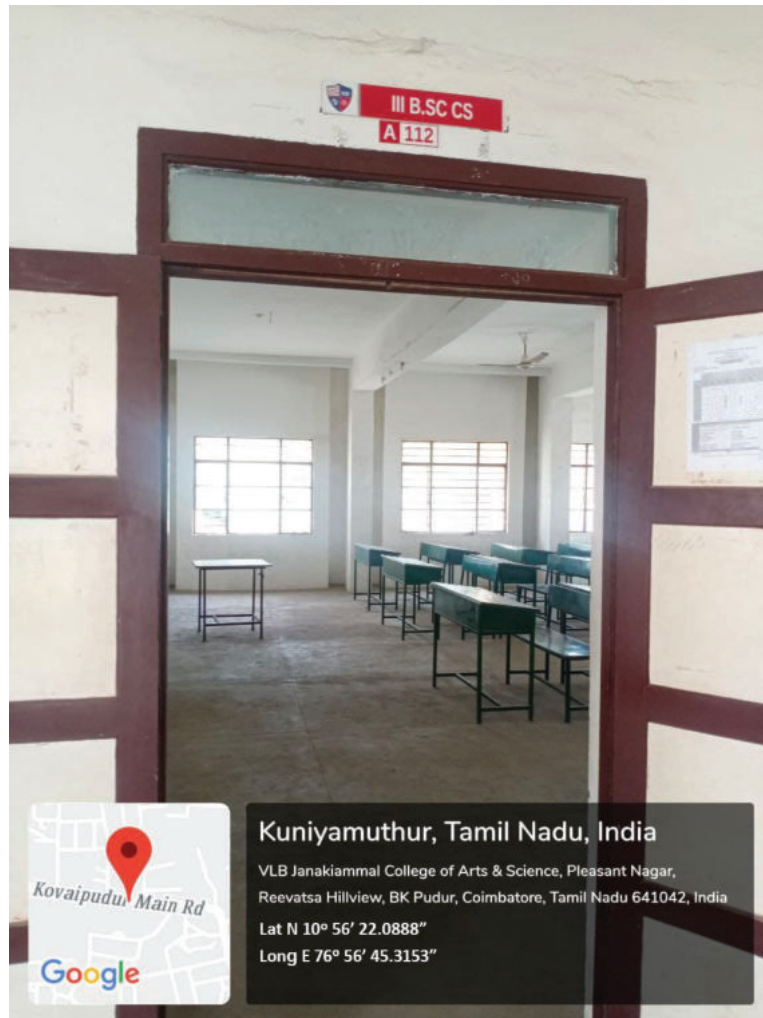
- ▶ Obtaining & sharing info (40% of time)
- ▶ 3 Roles
 - ▶ **Monitor** – scan environment
 - ▶ **Disseminator** – share info inside company
 - ▶ **Spokesperson** – share info outside



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Lat N 10° 56' 22.0894"

Long E 76° 56' 45.3158"



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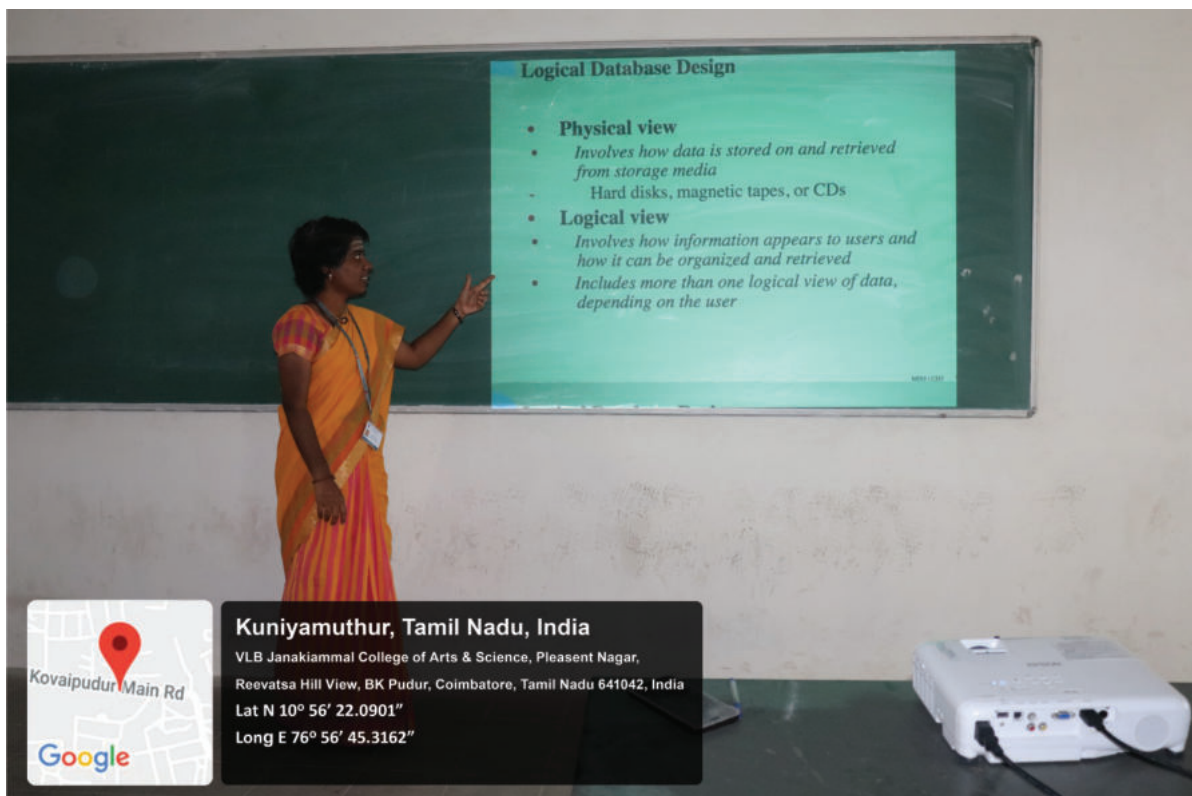


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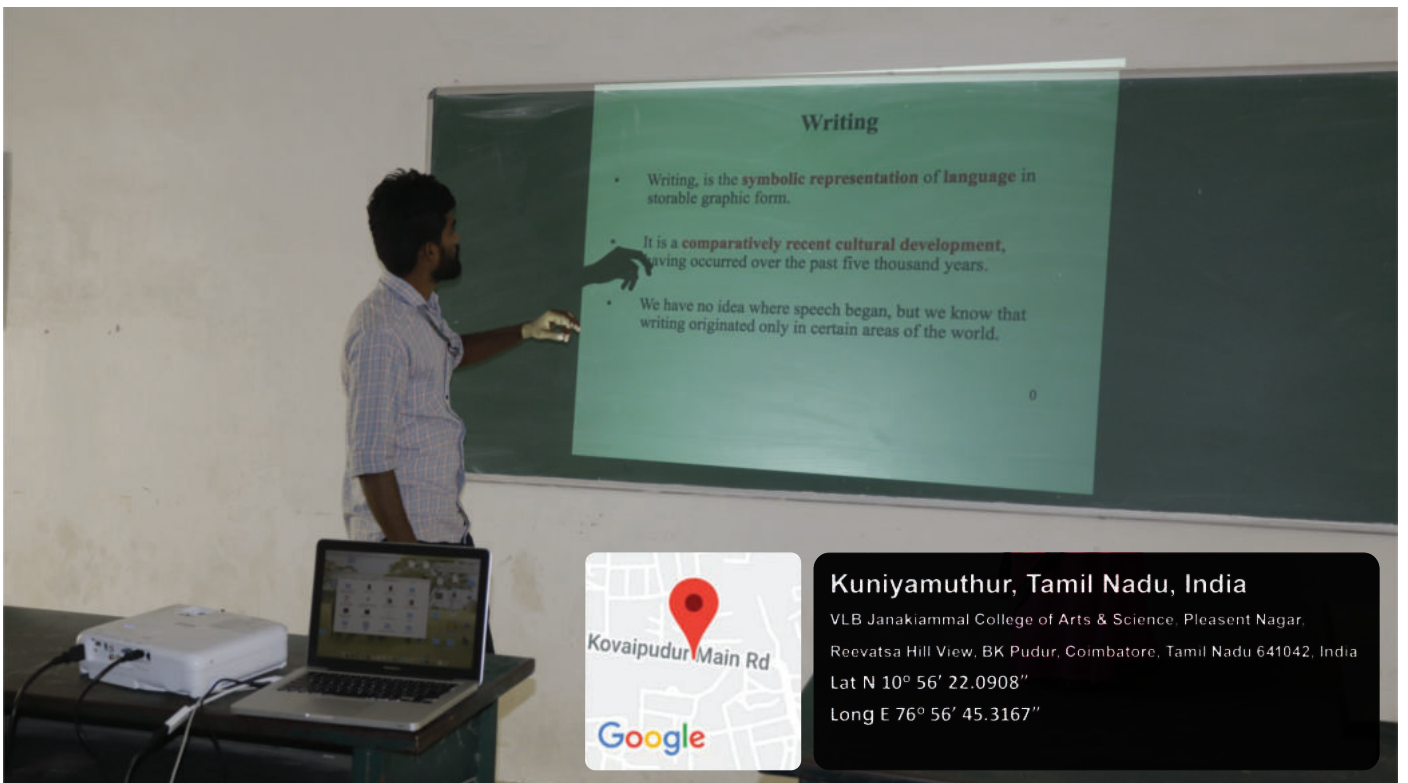


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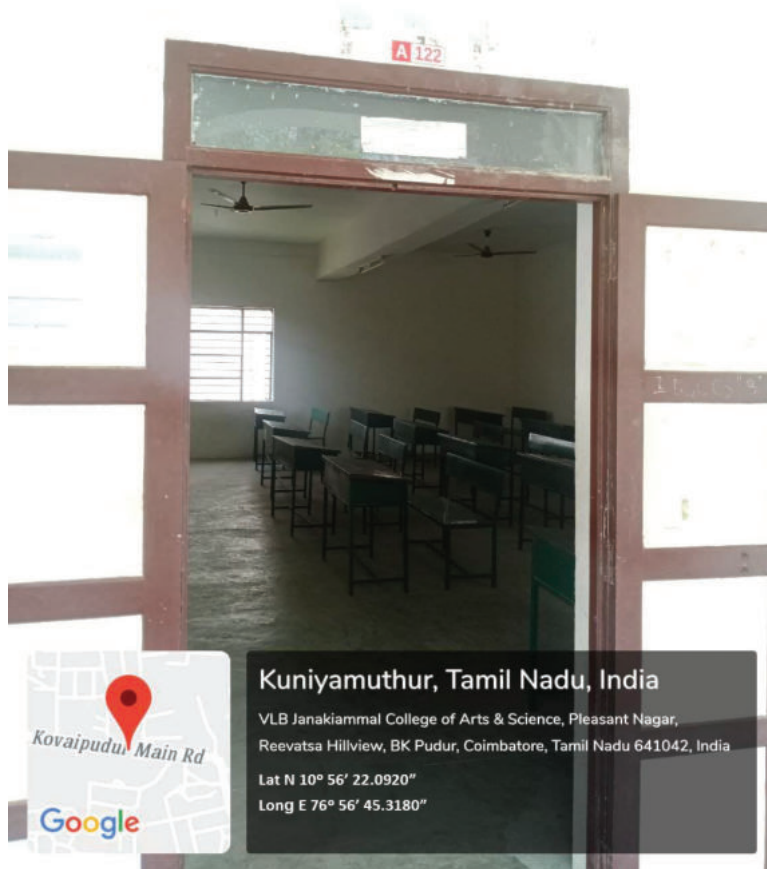
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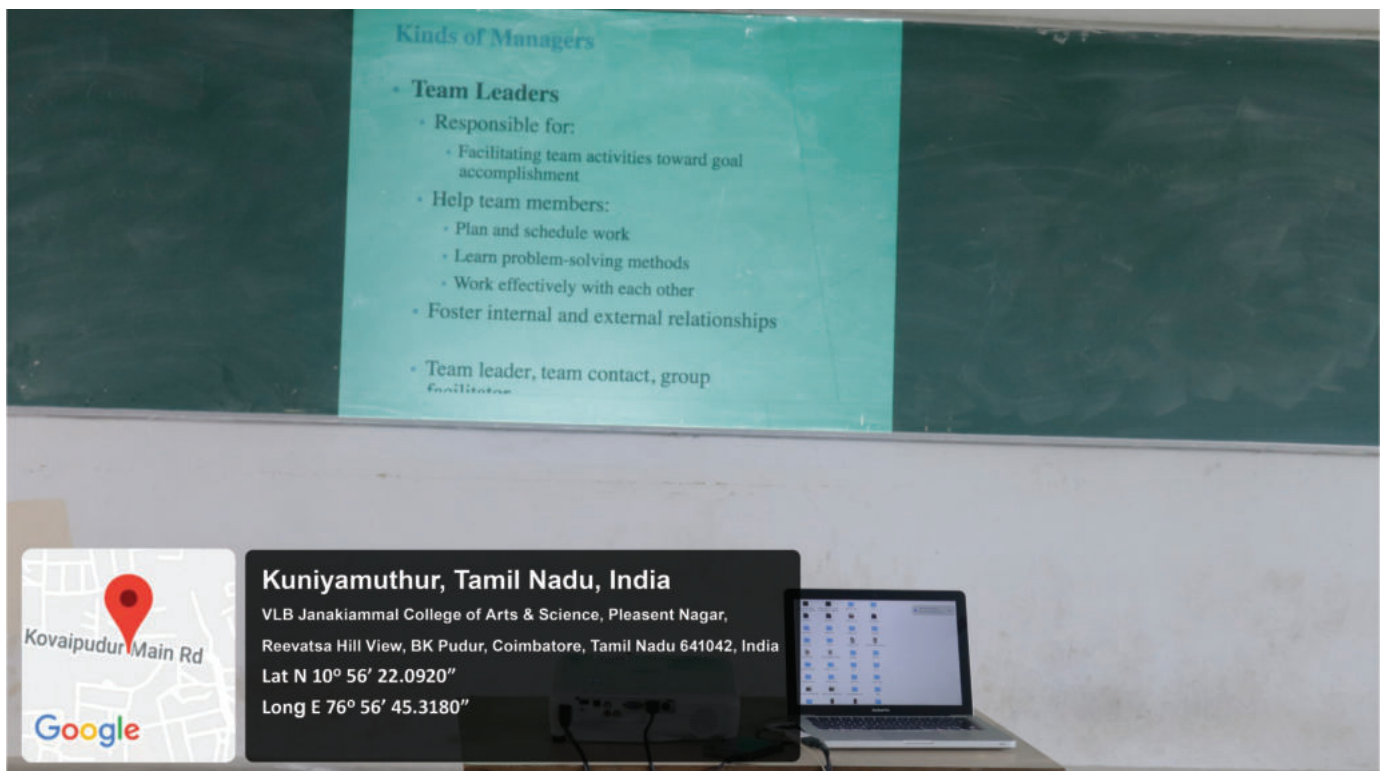


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Kinds of Managers

- **Team Leaders**

- Responsible for:
 - Facilitating team activities toward goal accomplishment
- Help team members:
 - Plan and schedule work
 - Learn problem-solving methods
 - Work effectively with each other
- Foster internal and external relationships
- Team leader, team contact, group facilitator

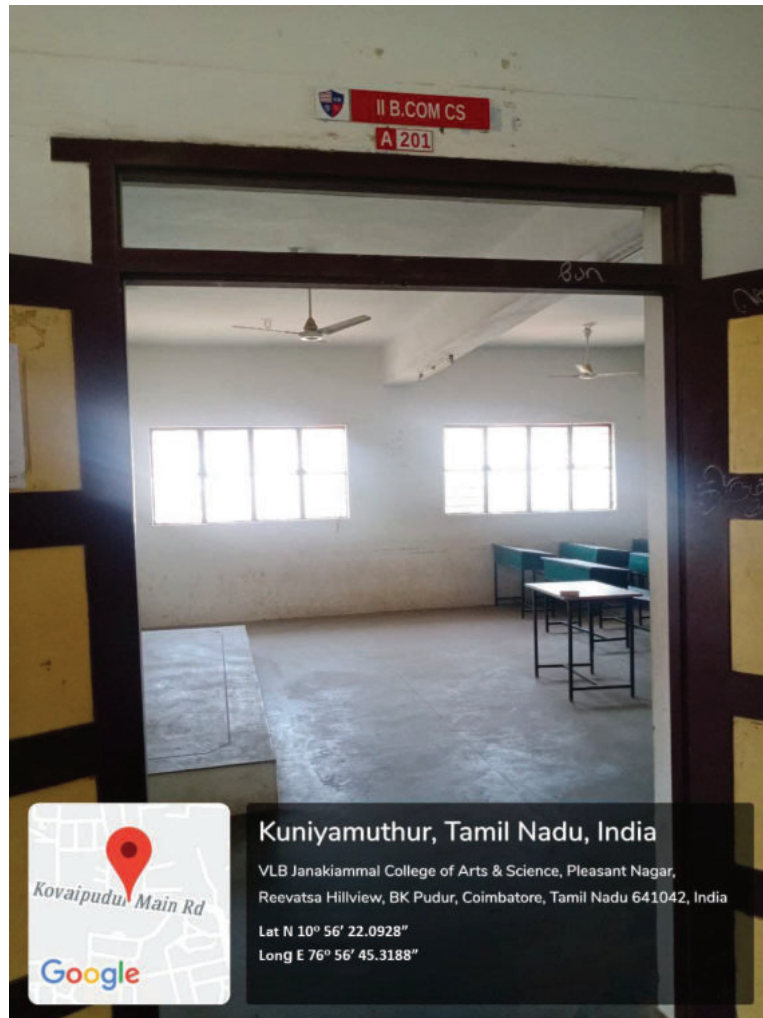


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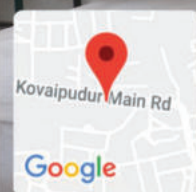
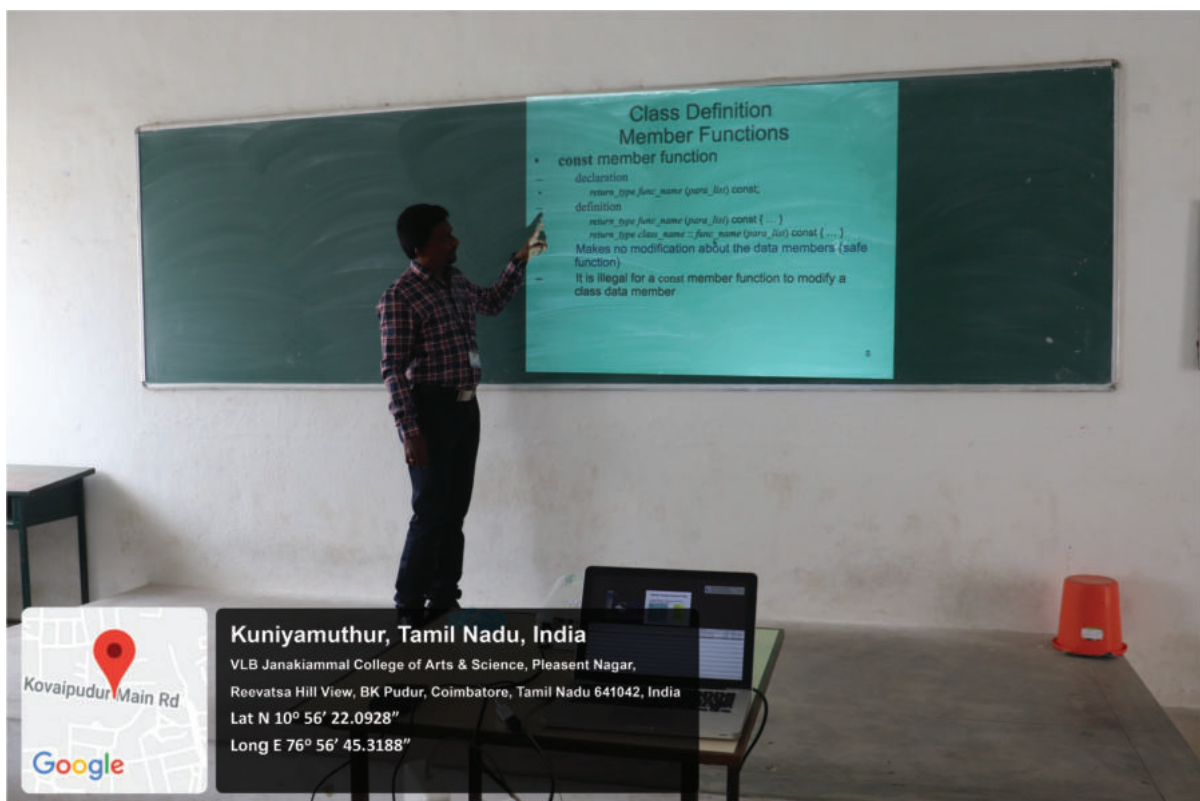
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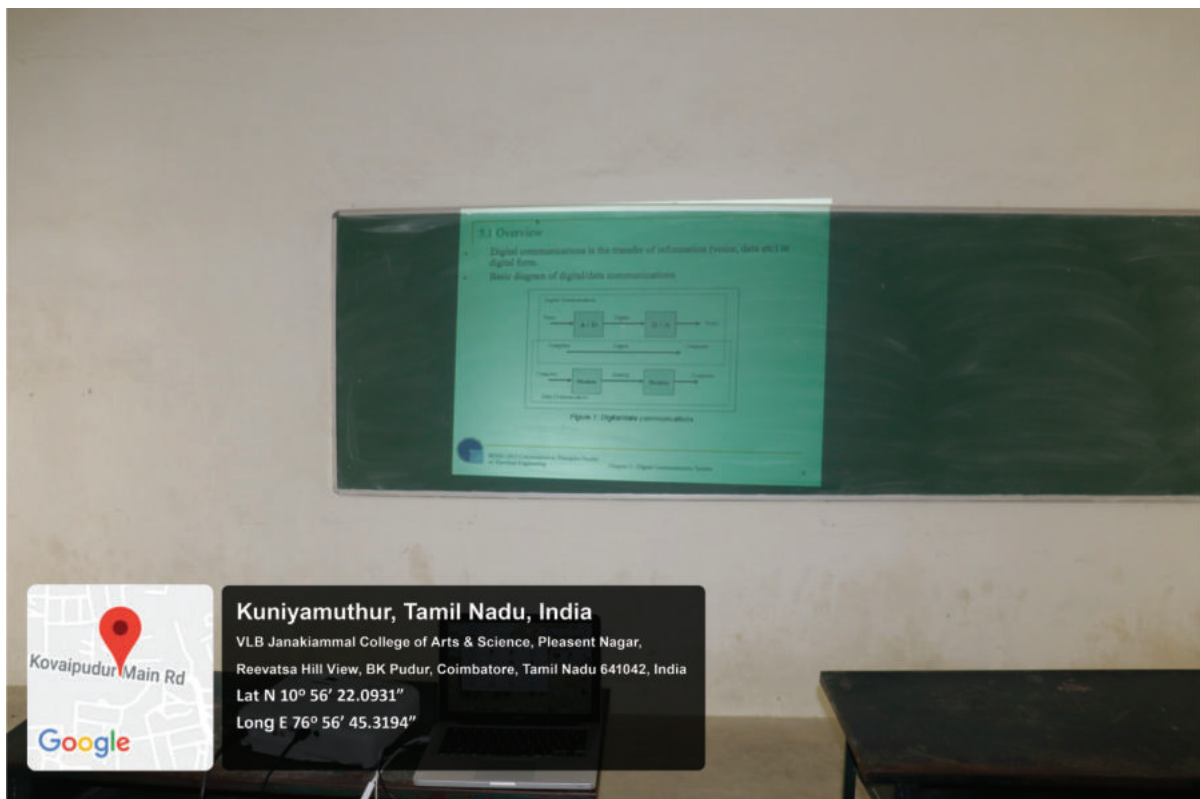
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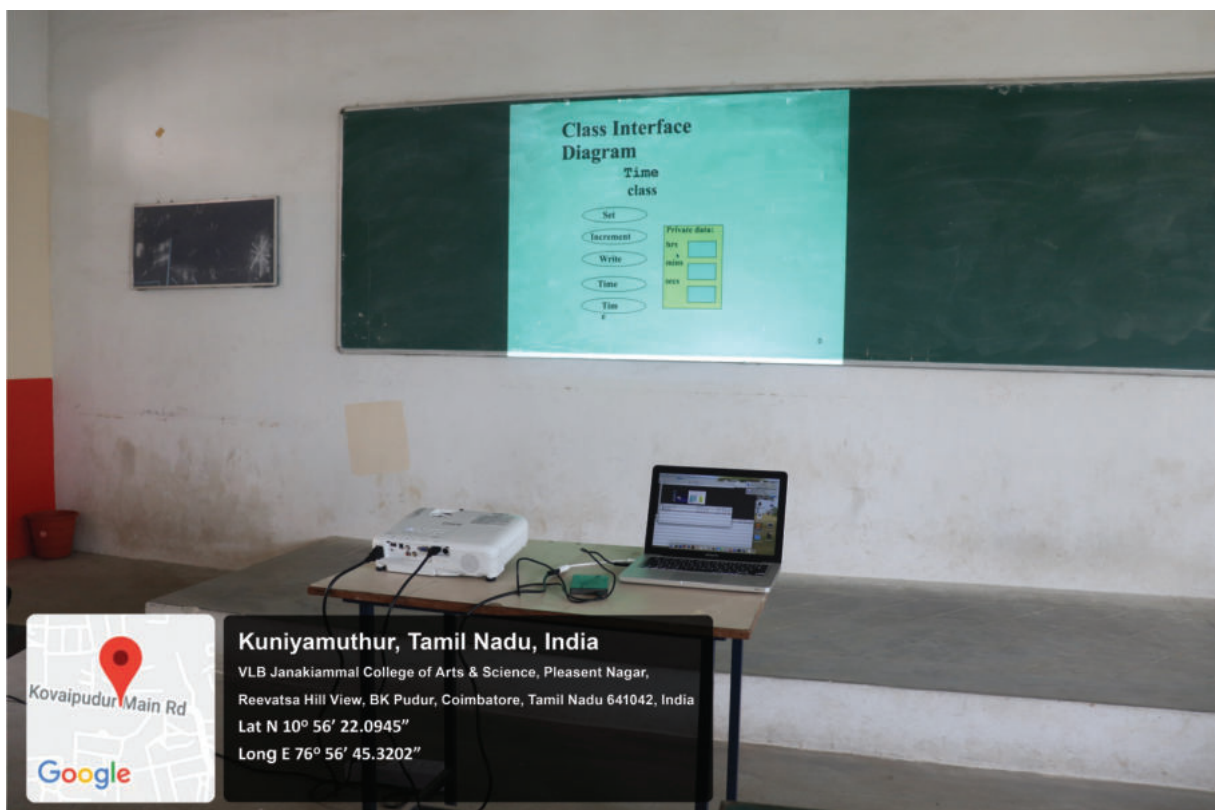
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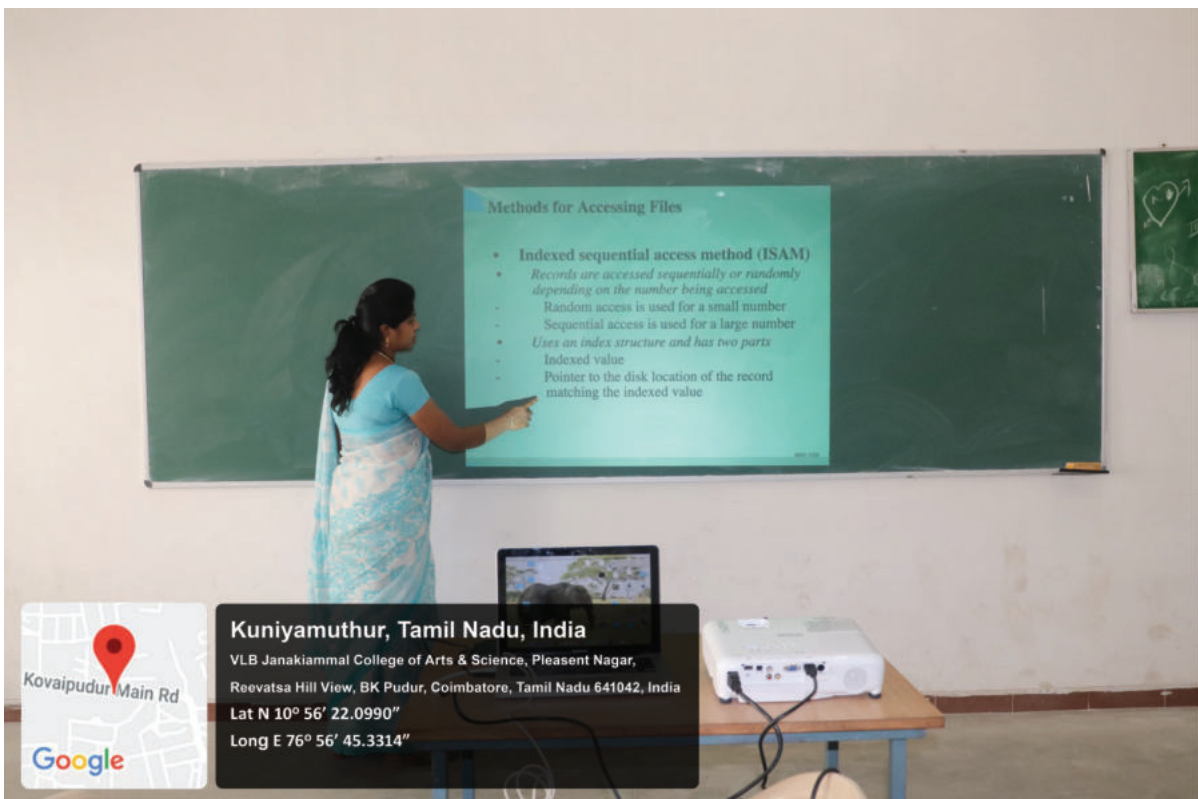
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Methods for Accessing Files

- **Indexed sequential access method (ISAM)**
- *Records are accessed sequentially or randomly depending on the number being accessed*
- Random access is used for a small number
- Sequential access is used for a large number
- *Uses an index structure and has two parts*
- Indexed value
- Pointer to the disk location of the record matching the indexed value

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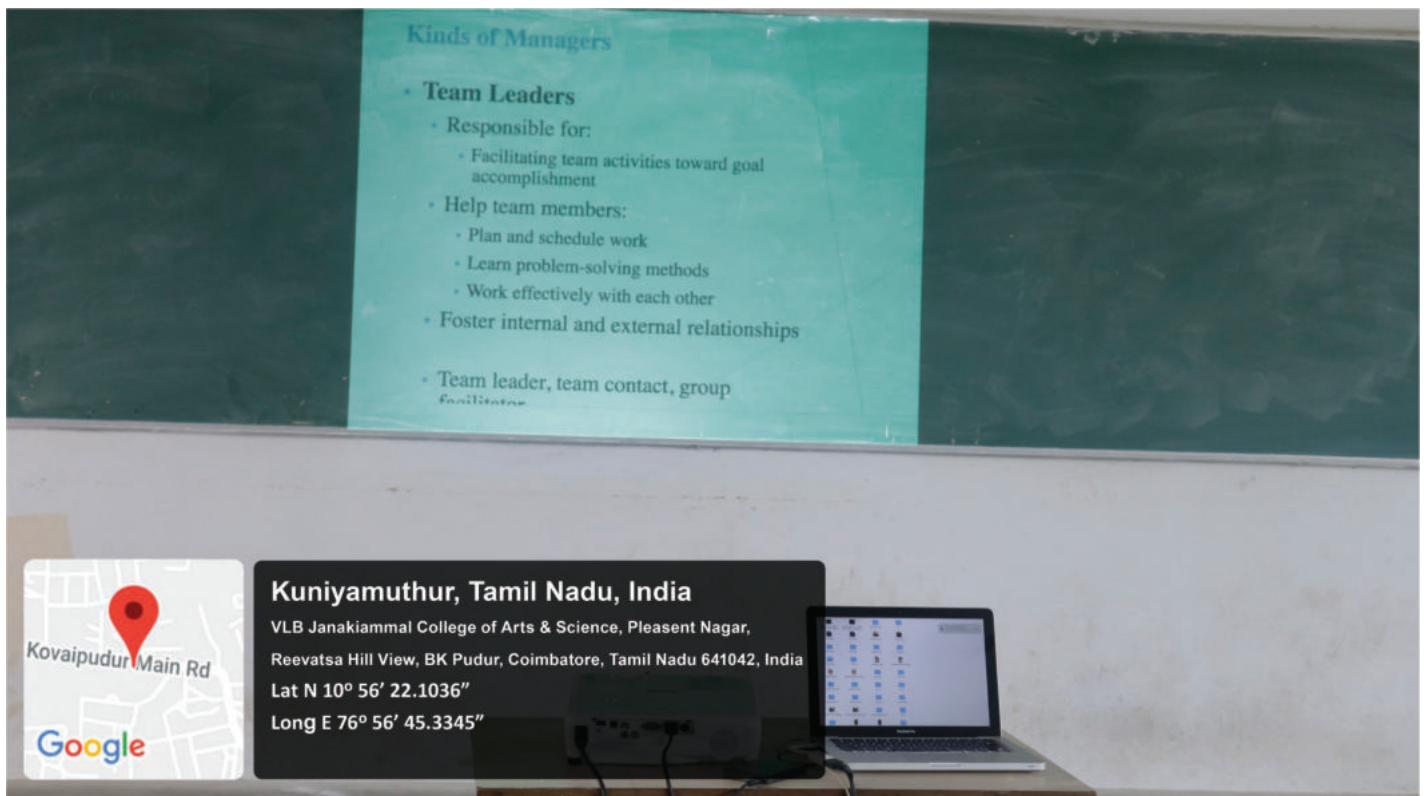


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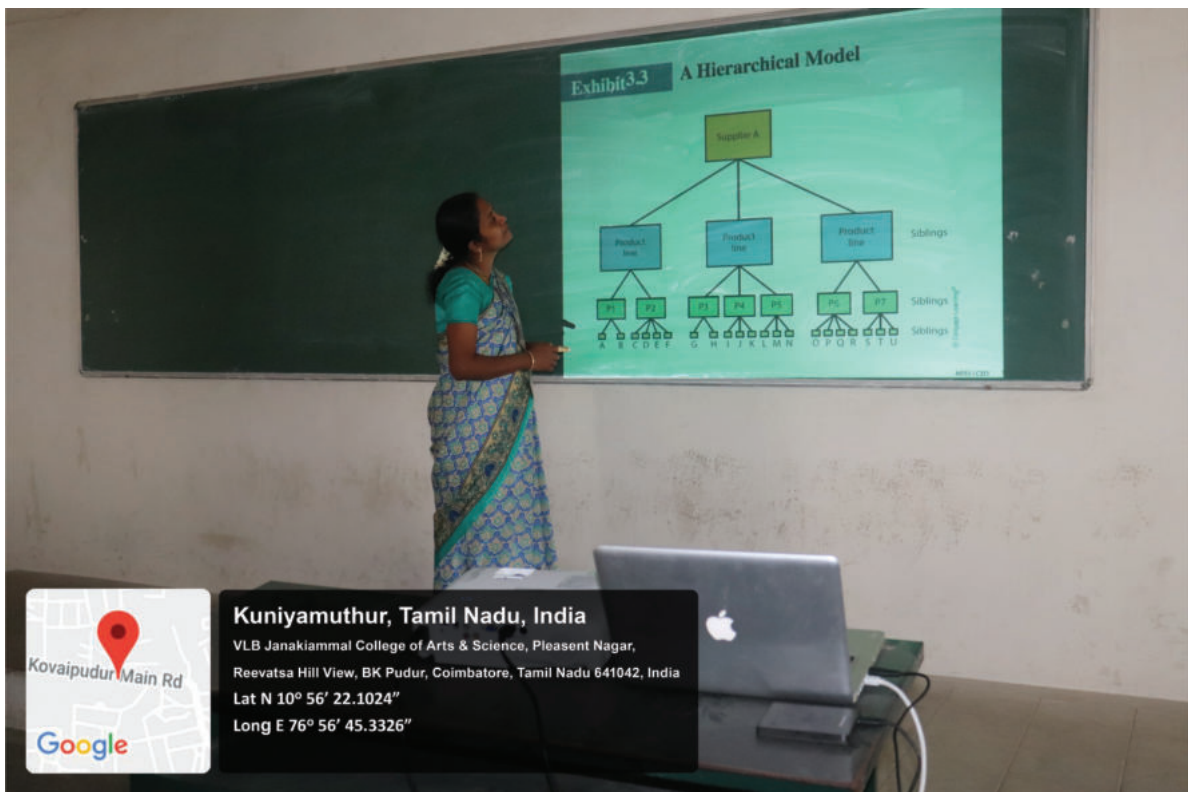


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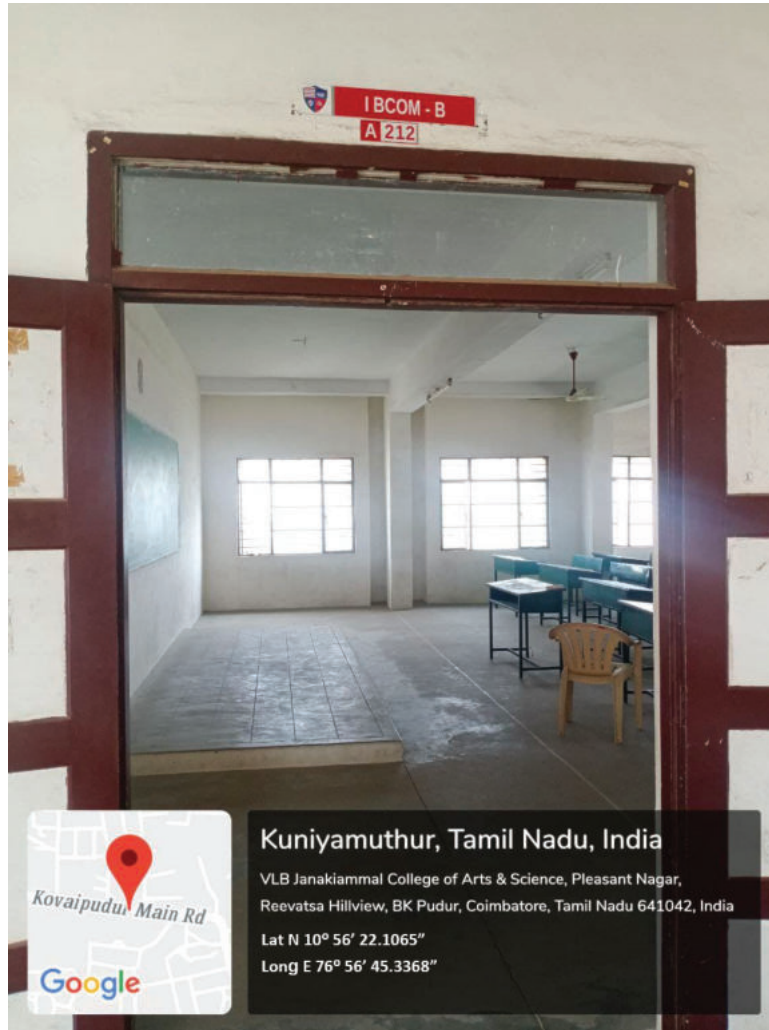
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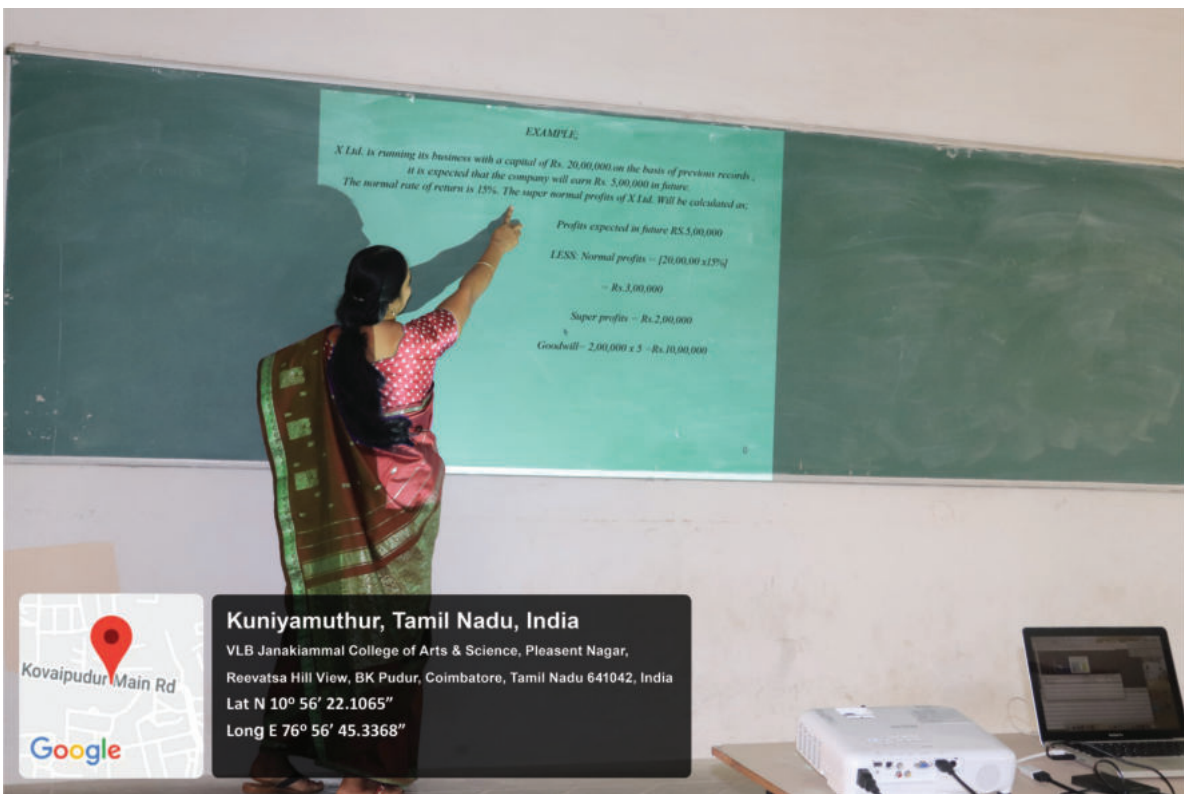
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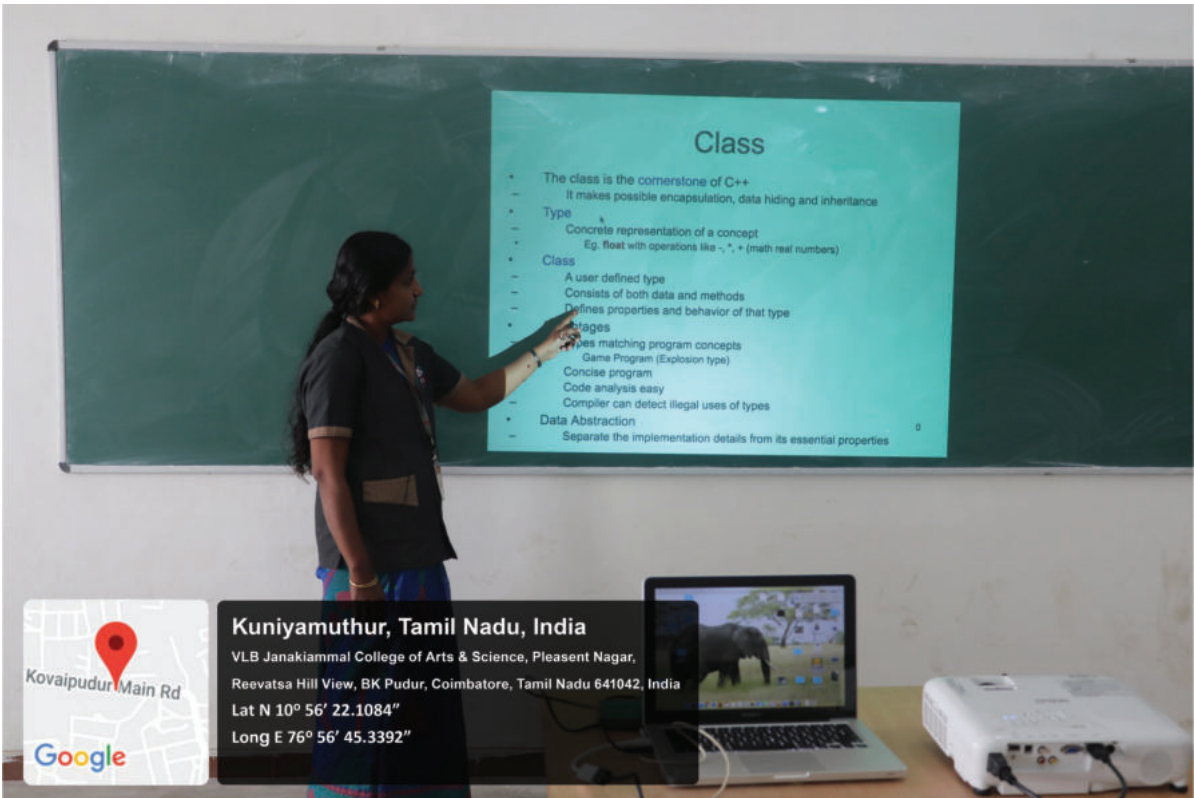
EXAMPLE:
X Ltd. is running its business with a capital of Rs. 20,00,000 on the basis of previous records, it is expected that the company will earn Rs. 5,00,000 in future. The normal rate of return is 15%. The super normal profits of X Ltd. will be calculated as:

Profits expected in future RS.5,00,000
LESS: Normal profits - (20,00,00 x 15%)
- Rs.3,00,000
Super profits - Rs.2,00,000
Goodwill - 2,00,000 x 5 = Rs.10,00,000



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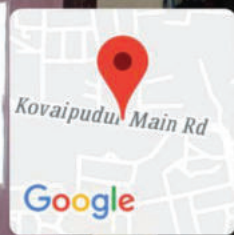
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Class

- The class is the cornerstone of C++
 - It makes possible encapsulation, data hiding and inheritance
- Type
 - Concrete representation of a concept
Eg. float with operations like -, *, + (math real numbers)
- Class
 - A user defined type
 - Consists of both data and methods
 - Defines properties and behavior of that type
- Packages
 - Gives matching program concepts
Game Program (Explosion type)
 - Concise program
 - Code analysis easy
 - Compiler can detect illegal uses of types
- Data Abstraction
 - Separate the implementation details from its essential properties

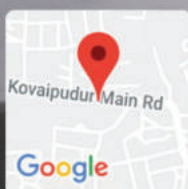
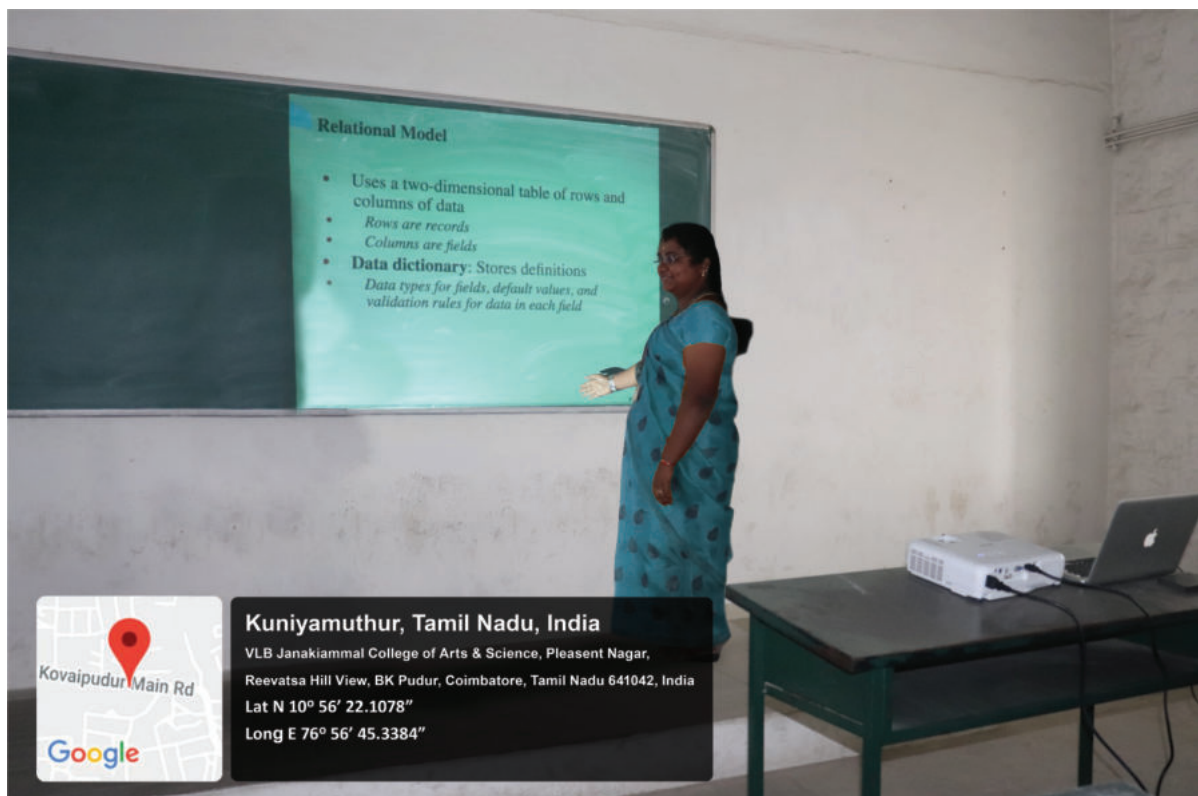


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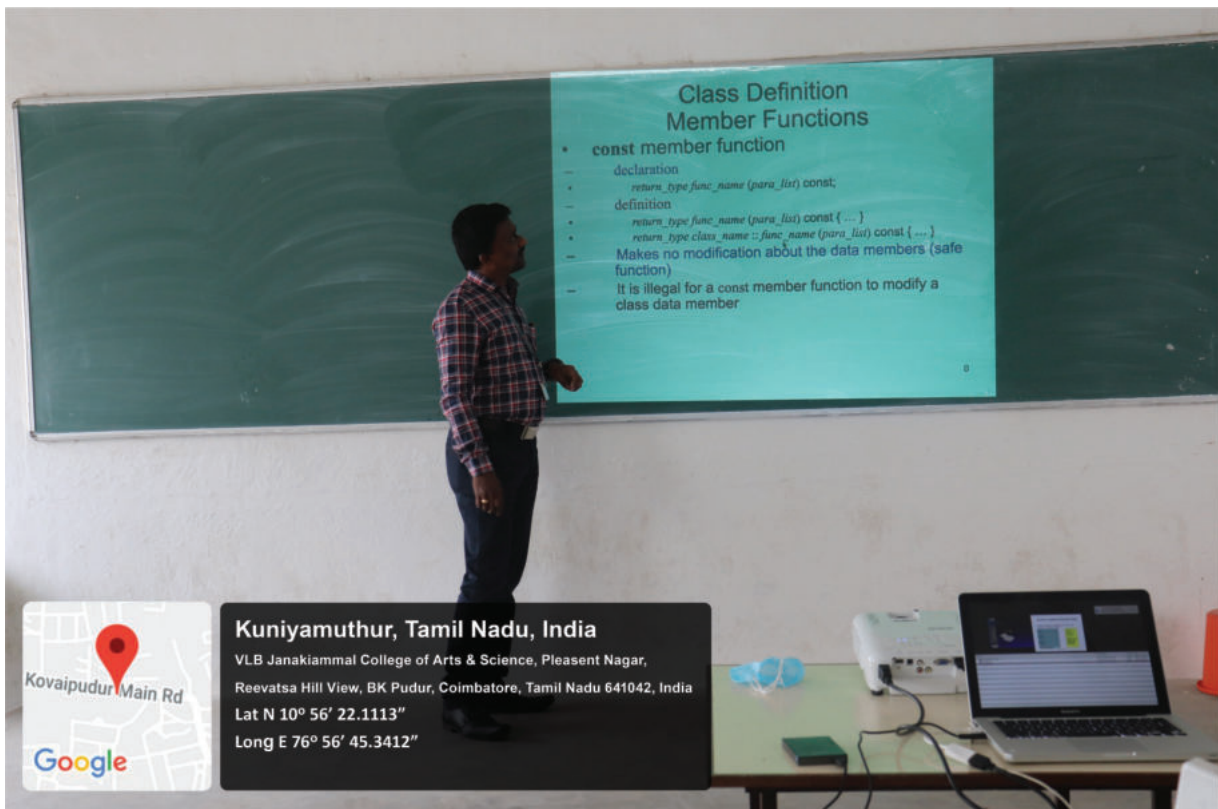
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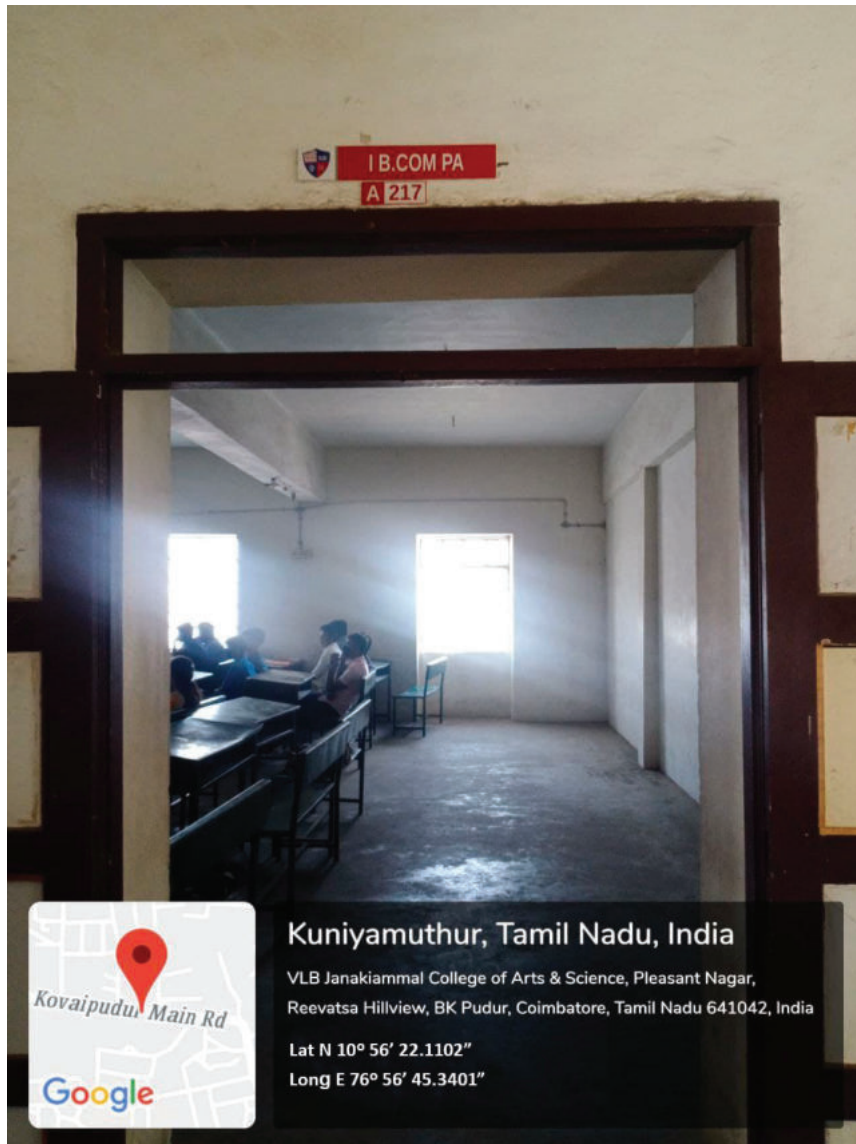


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Class Definition Member Functions

- **const member function**
 - declaration
 - `return_type func_name (para_list) const;`
 - definition
 - `return_type func_name (para_list) const { ... }`
 - `return_type class_name :: func_name (para_list) const { ... }`
 - Makes no modification about the data members (safe function)
 - It is illegal for a const member function to modify a class data member



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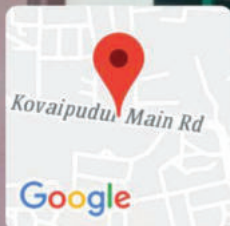
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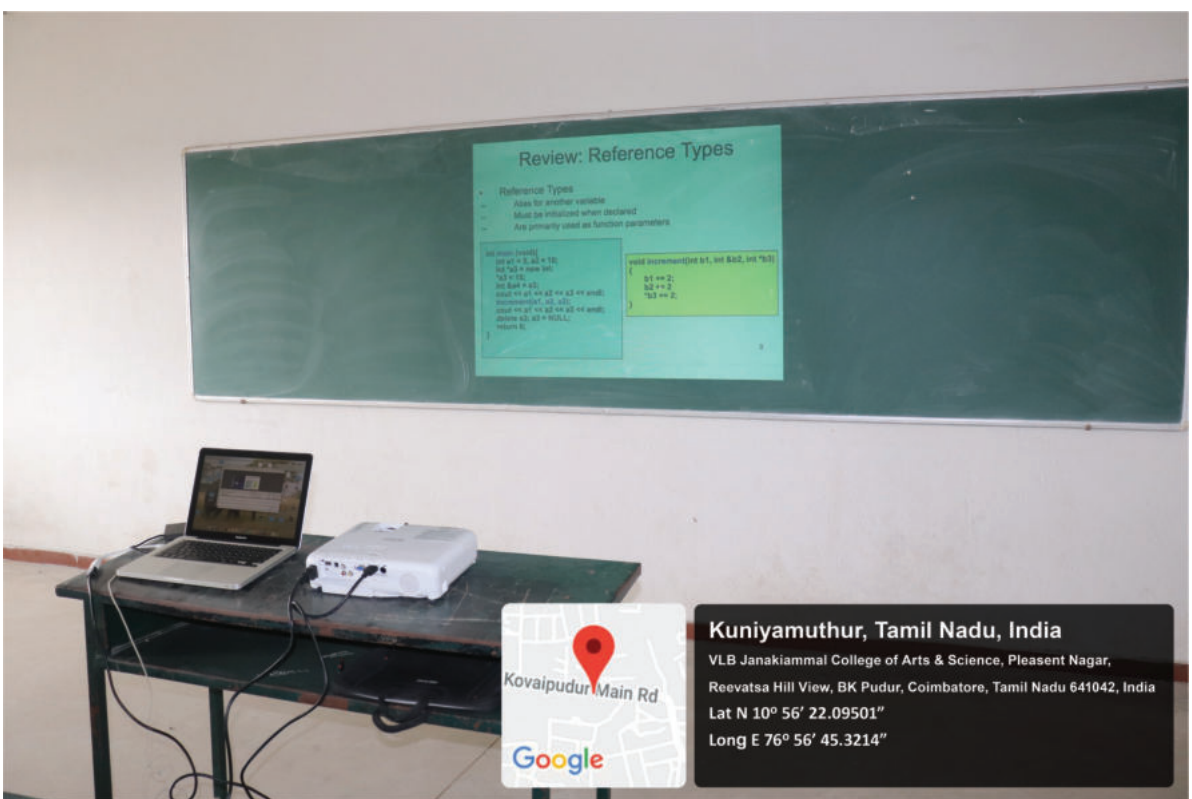
Long E 76° 56' 45.3401"





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Reevatsa Hillview, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 22.09501"
Long E 76° 56' 45.3214"



Review: Reference Types

- Reference Types
 - Allow for another variable
 - Must be initialized when declared
 - Are primarily used as function parameters

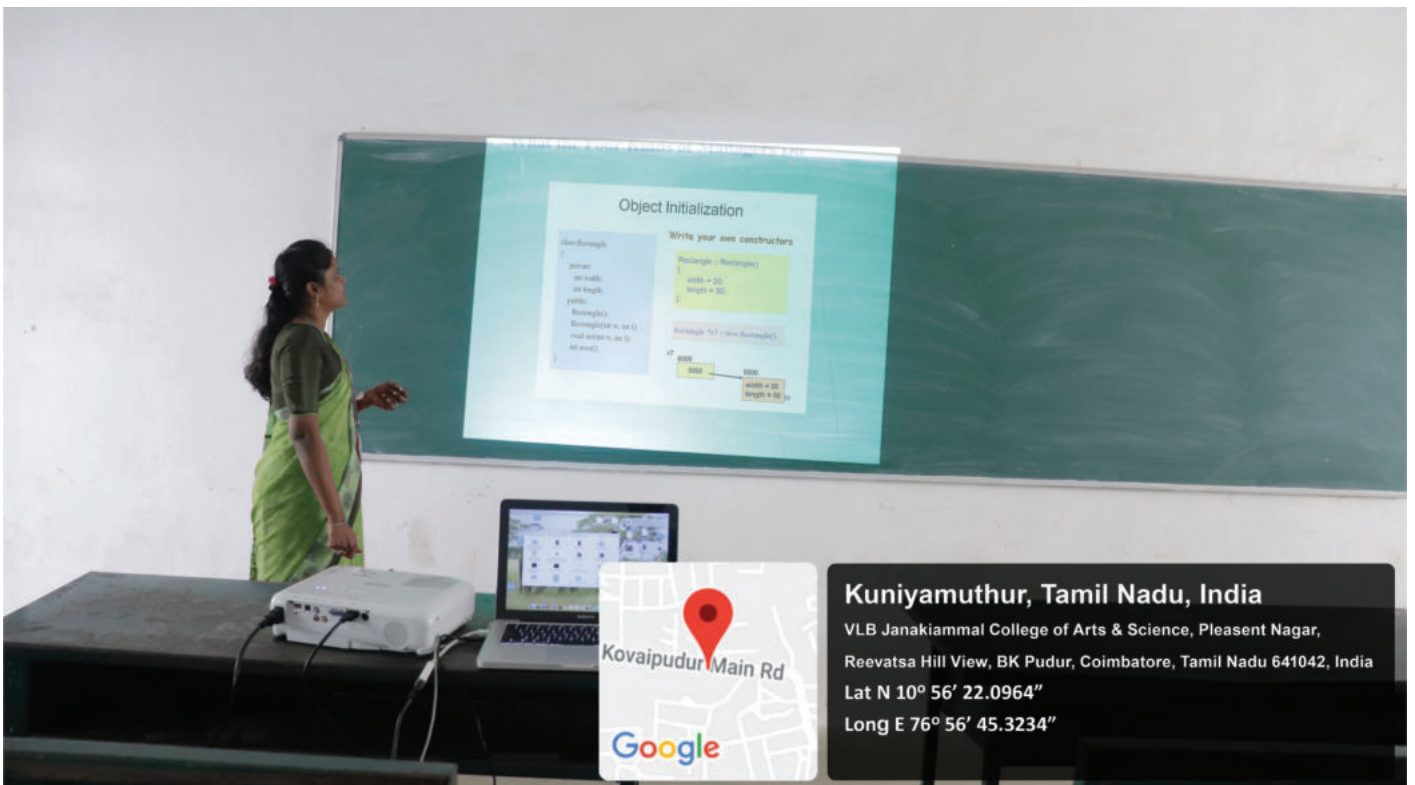
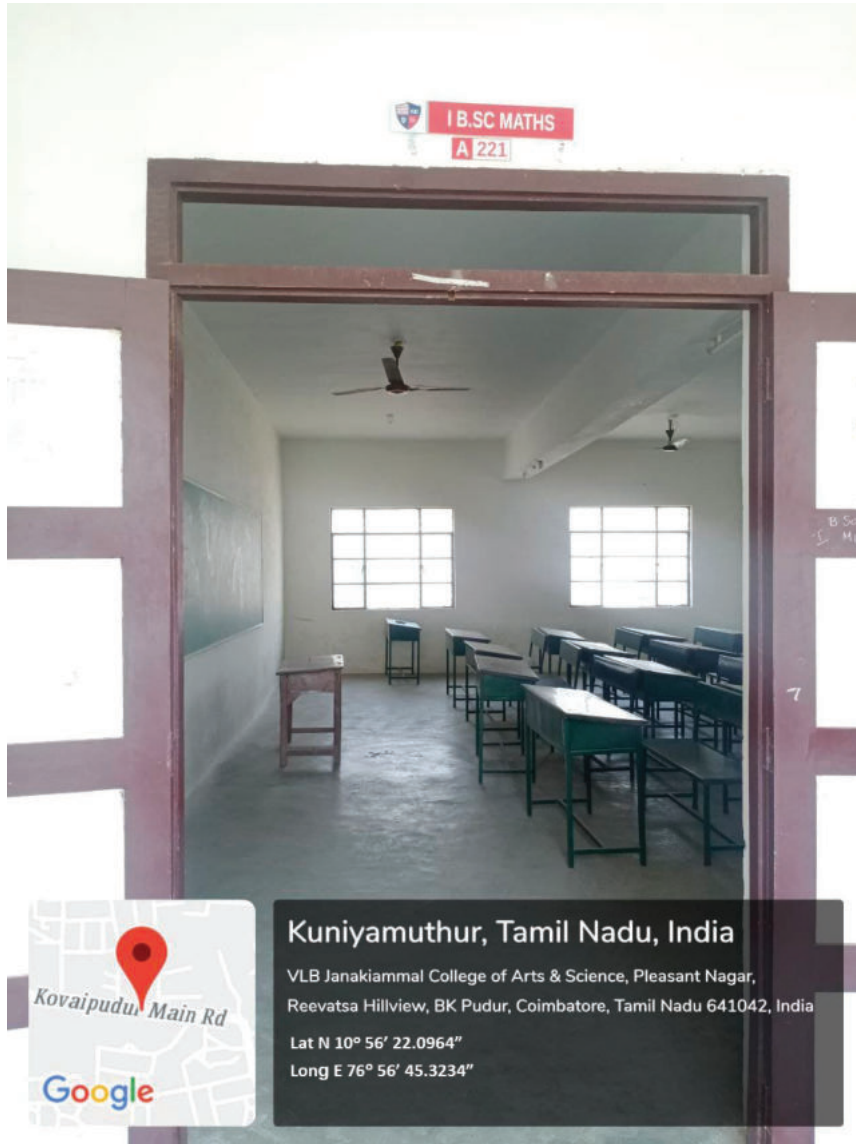
```
int main() {
    int a1 = 5, a2 = 10;
    int *p1 = &a1;
    *p1 = 15;
    int b1 = 2;
    const int c1 = 42; // const int c2 = 44;
    printf("%d\n", *p1);
    return 0;
}
```

```
void increment(int *p1, int &a2, int *p3) {
    *p1 += 2;
    a2 += 2;
    *p3 += 2;
}
```



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Lat N 10° 56' 22.09501"
Long E 76° 56' 45.3214"

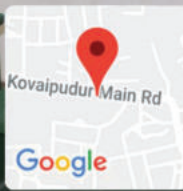




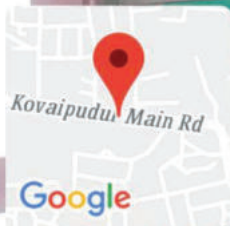


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Reevatsa Hillview, BK Pudur, Coimbatore, Tamil Nadu 641042, India
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Long E 76° 56' 45.3241"



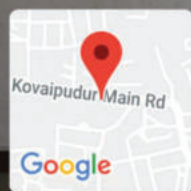
Kuniamuthur, Tamil Nadu, India
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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 22.0972"
Long E 76° 56' 45.3241"



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Lat N 10° 56' 22.0994"
Long E 76° 56' 45.3284"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India

Lat N 10° 56' 22.0994"
Long E 76° 56' 45.3284"

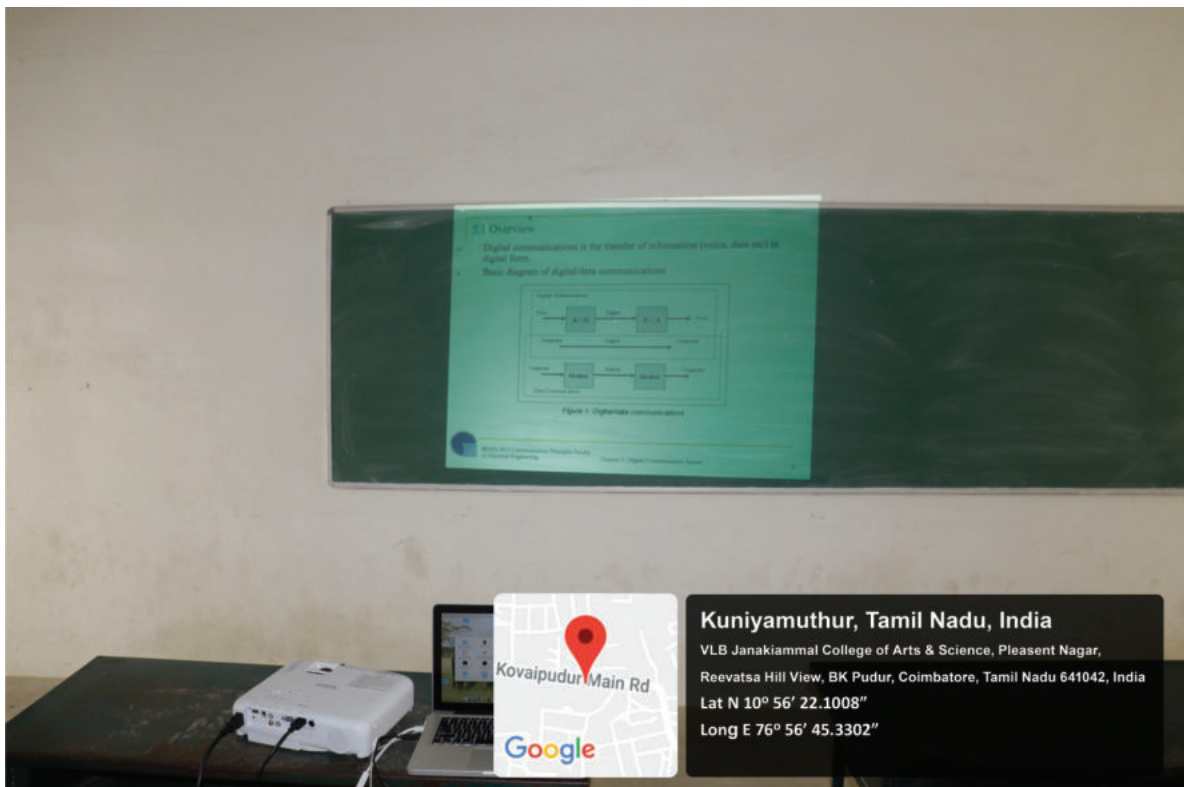


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Reevatsa Hillview, BK Pudur, Coimbatore, Tamil Nadu 641042, India

Lat N 10° 56' 22.1008"

Long E 76° 56' 45.3302"



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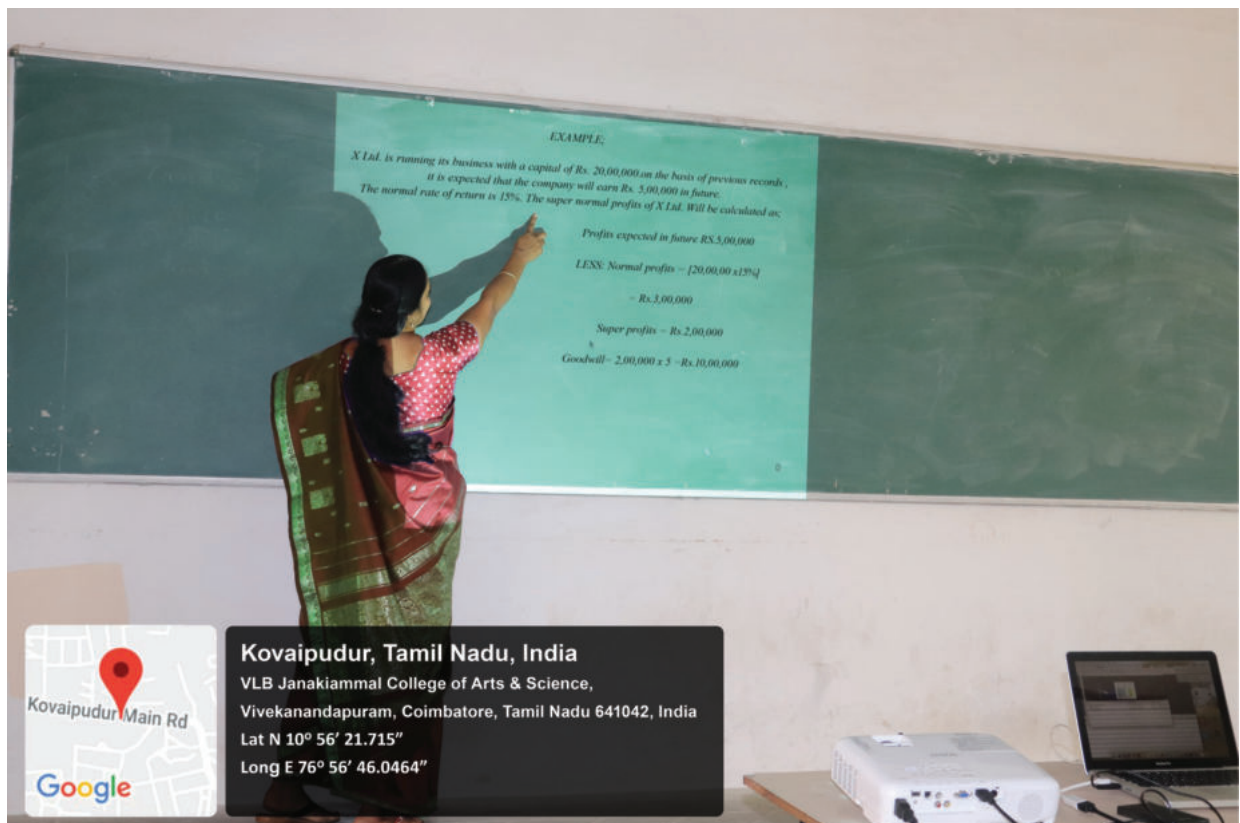
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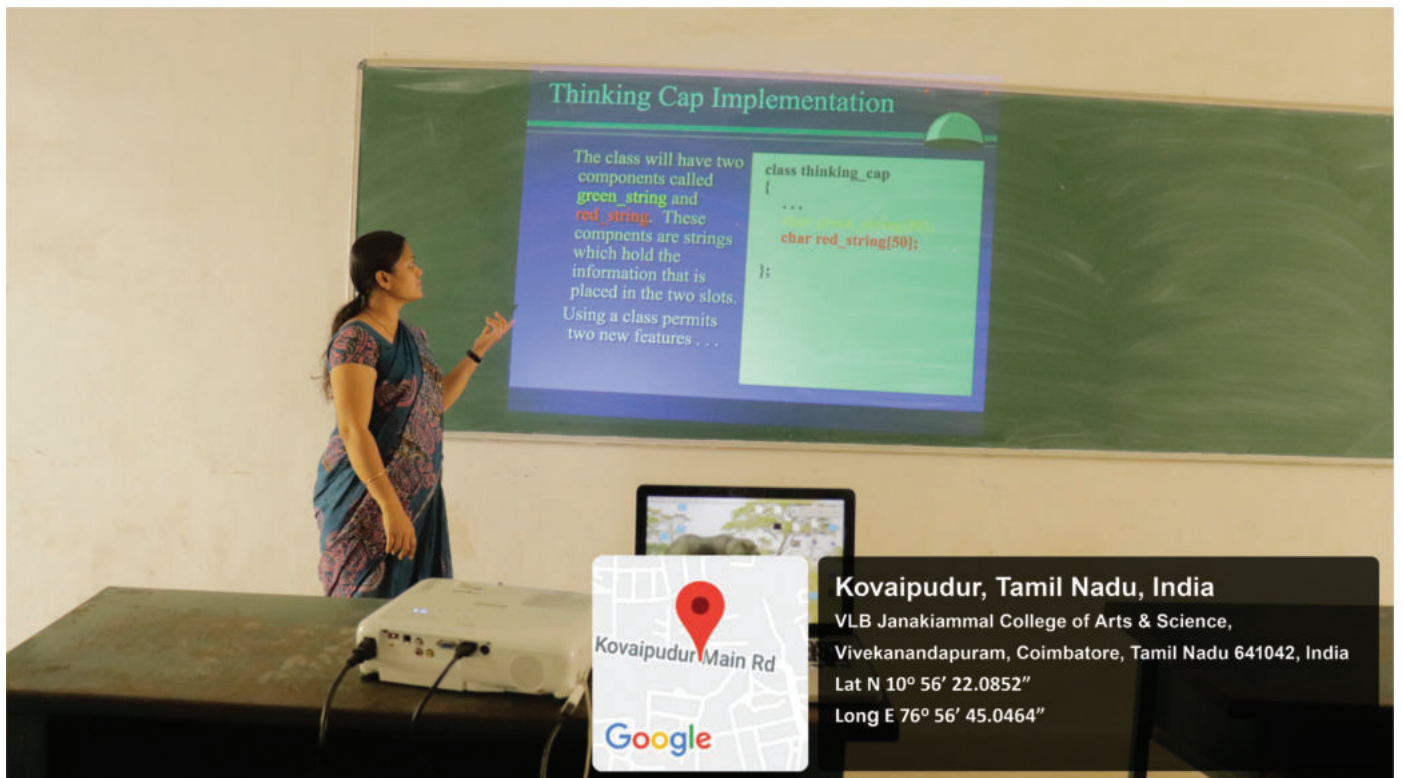
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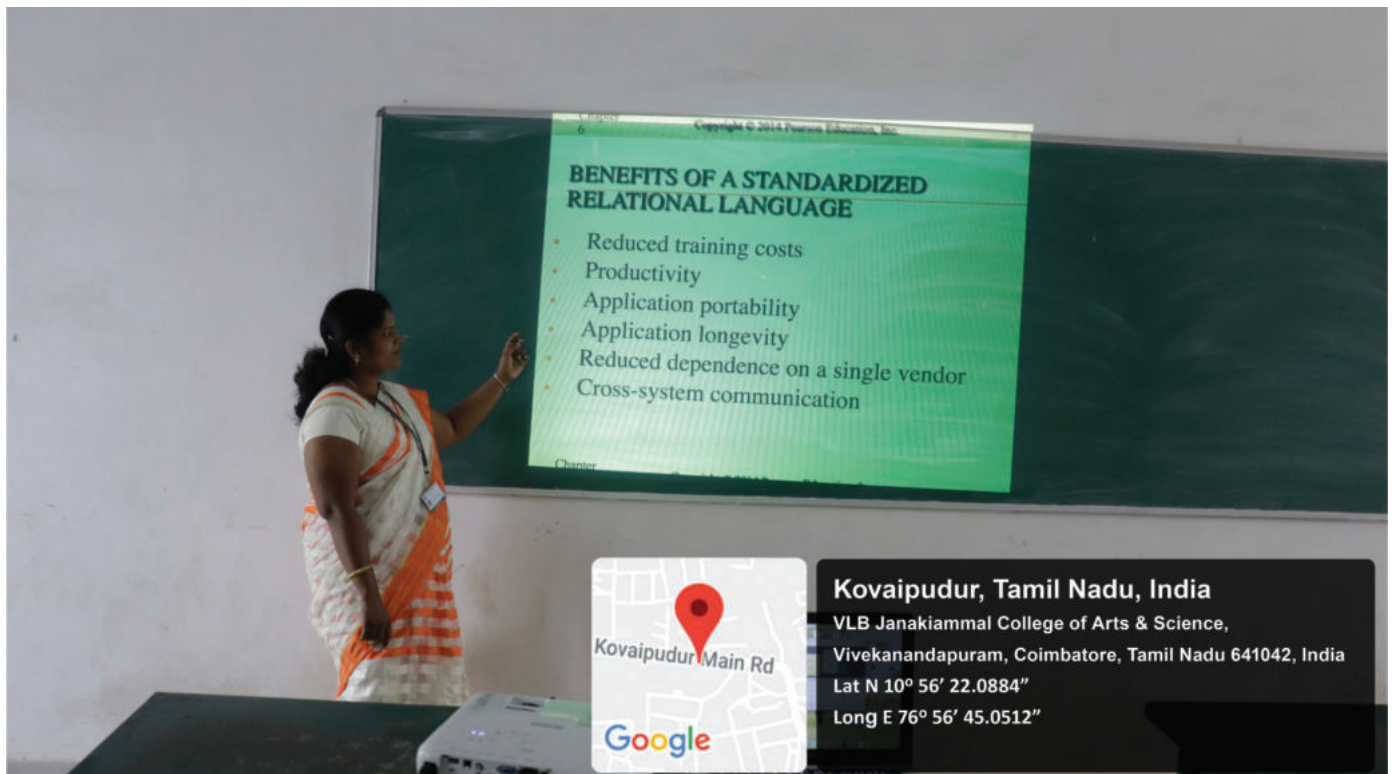
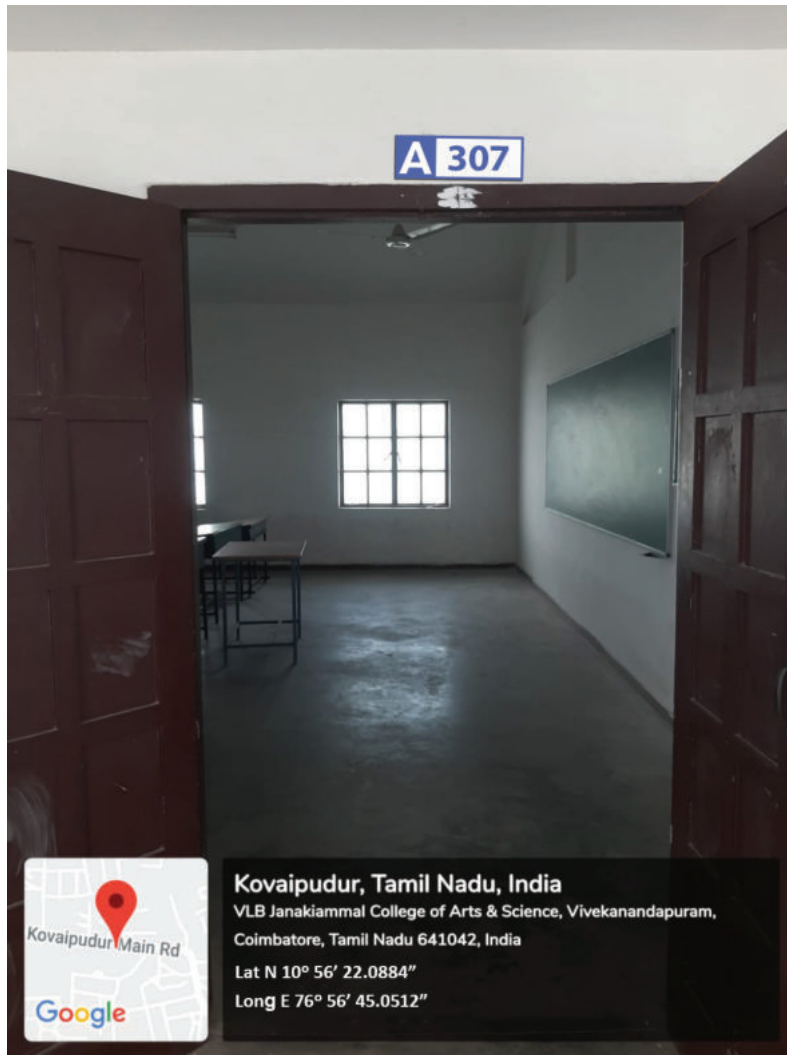














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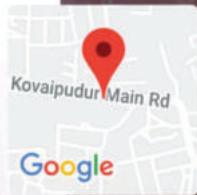
CRITERIA -IV

4.1.3 ICT FACILITIES –GEOTAGGED PHOTOGRAPHS FOR CLASSROOMS AND SEMINAR HALLS

B-BLOCK







Kovaipudur, Tamil Nadu, India
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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.723"
Long E 76° 56' 46.0464"



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VLB Janakiammal College of Arts & Science, Pleasant Nagar,
Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.723"
Long E 76° 56' 46.0464"



III BBA[CA]

B 21



Kovaipudur, Tamil Nadu, India

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Coimbatore, Tamil Nadu 641042, India

Lat N 10° 56' 21.731"

Long E 76° 56' 46.0472"

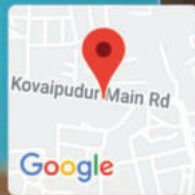


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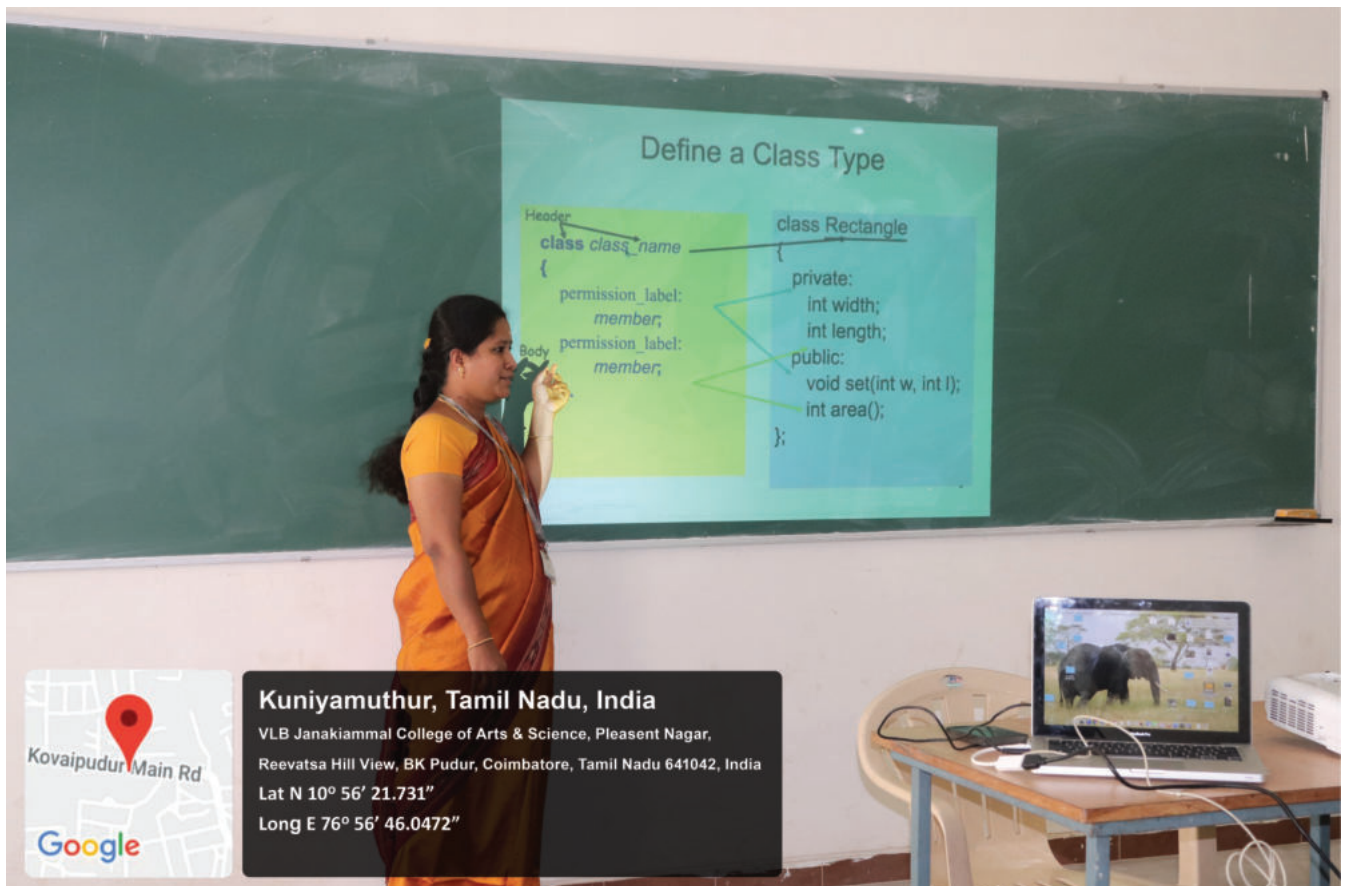
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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India

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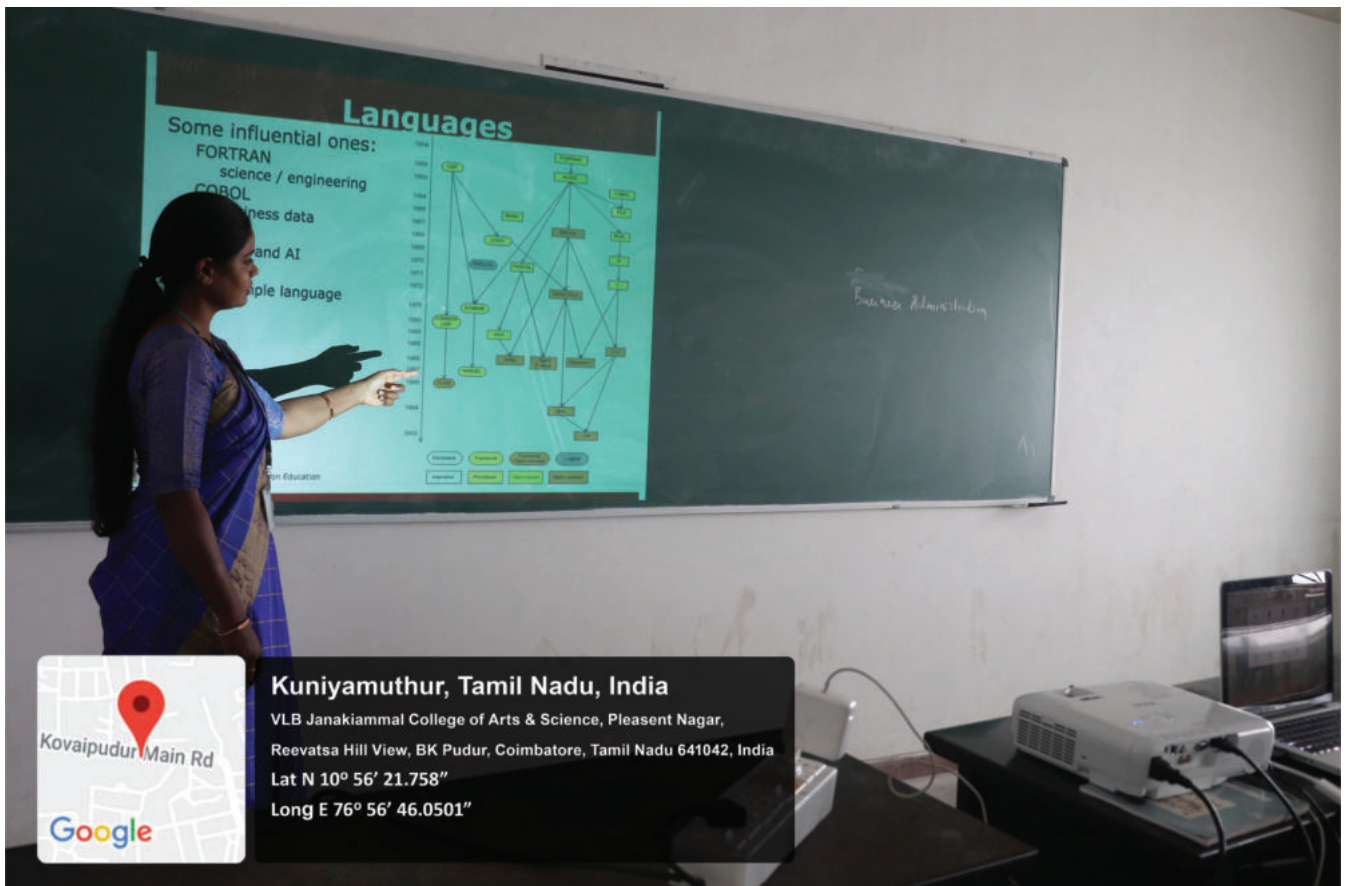
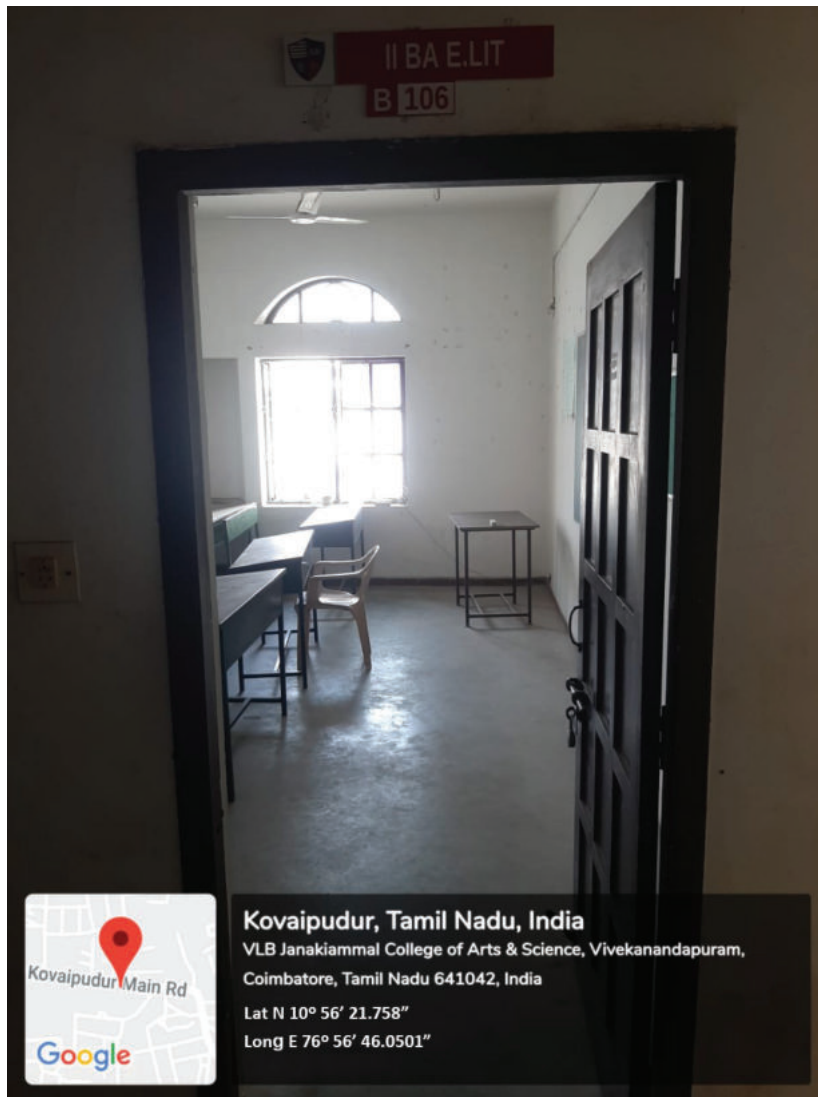


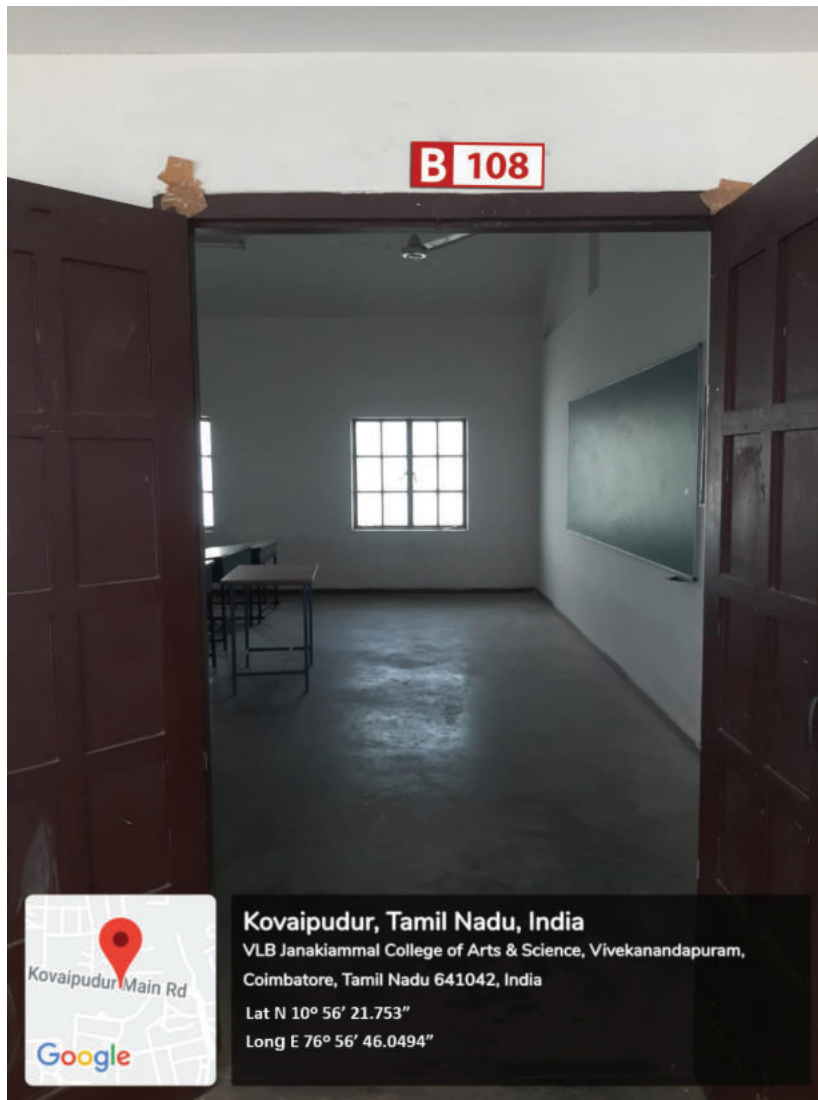
Kovaipudur, Tamil Nadu, India
VLB Janakiammal College of Arts & Science, Vivekanandapuram,
Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.731"
Long E 76° 56' 46.0472"

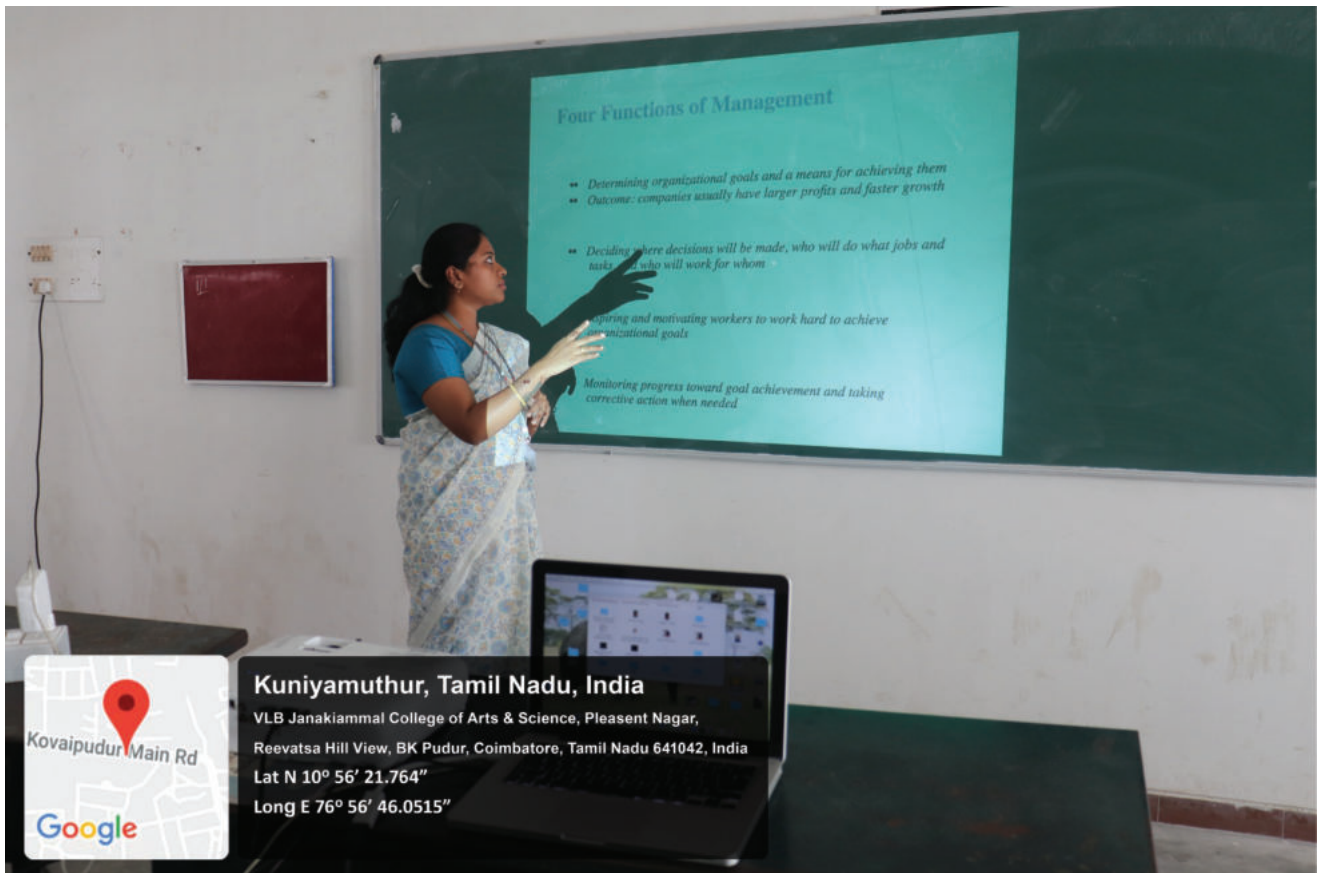


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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.731"
Long E 76° 56' 46.0472"



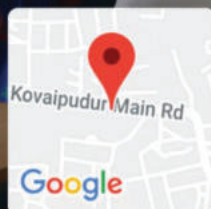




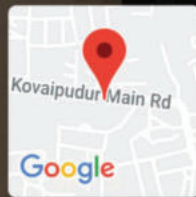
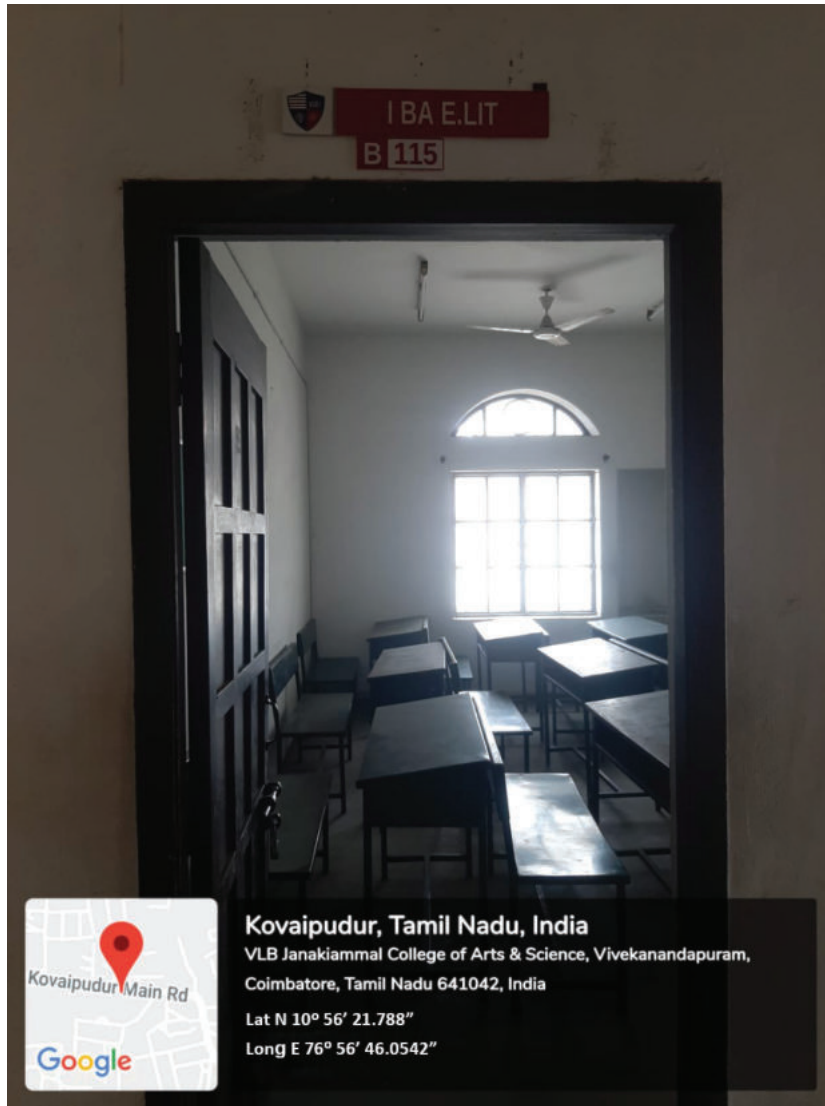




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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.772"
Long E 76° 56' 46.0521"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.772"
Long E 76° 56' 46.0521"



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Coimbatore, Tamil Nadu 641042, India

Lat N 10° 56' 21.788"

Long E 76° 56' 46.0542"

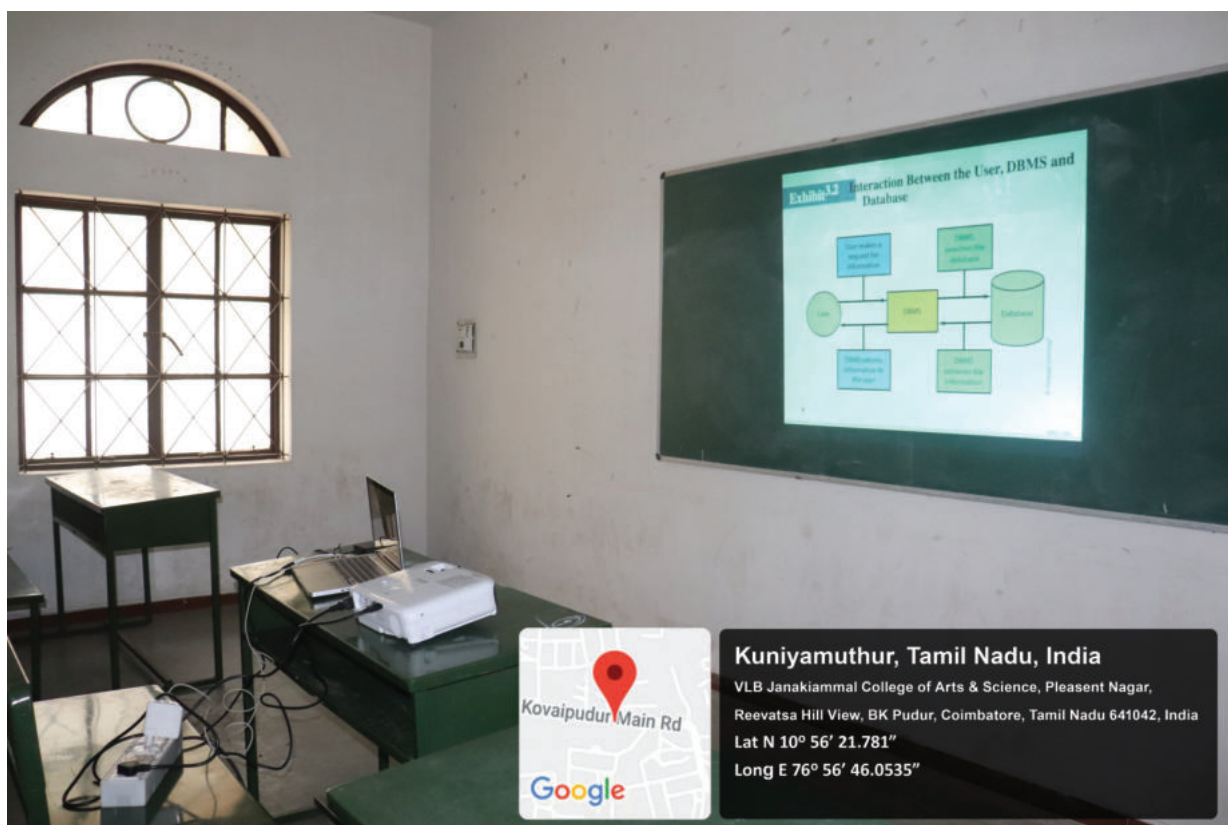


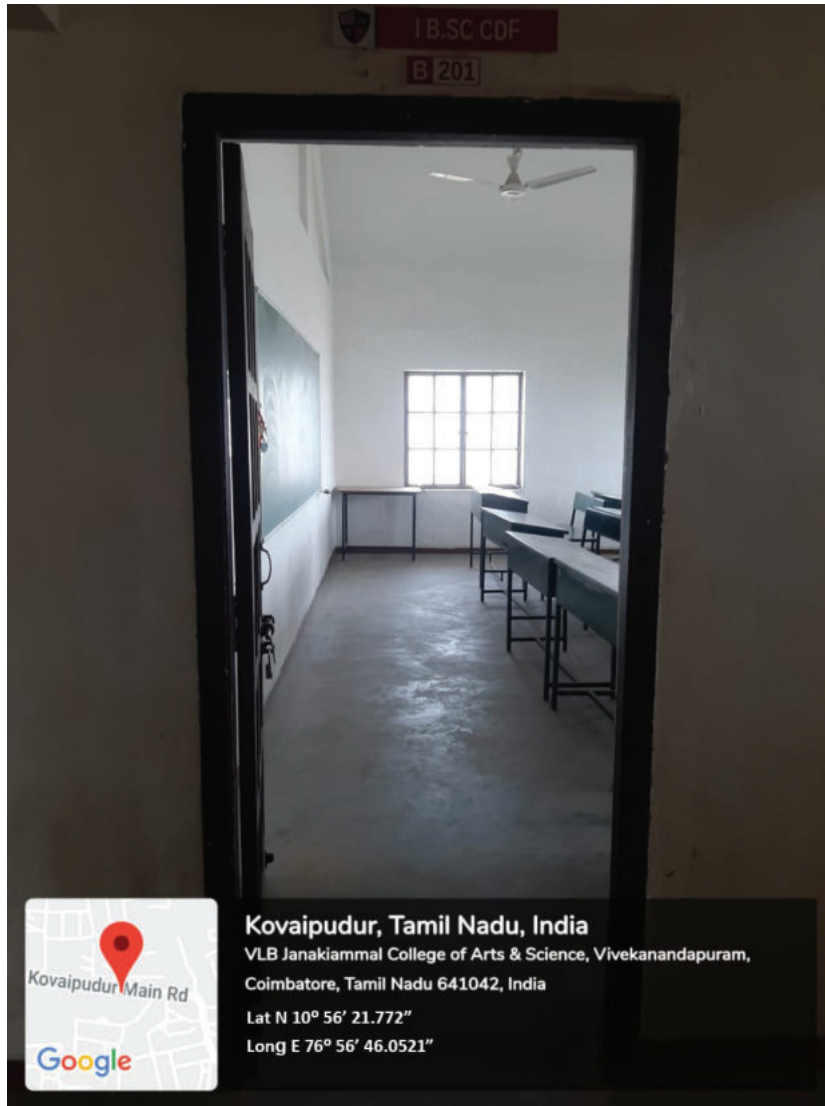
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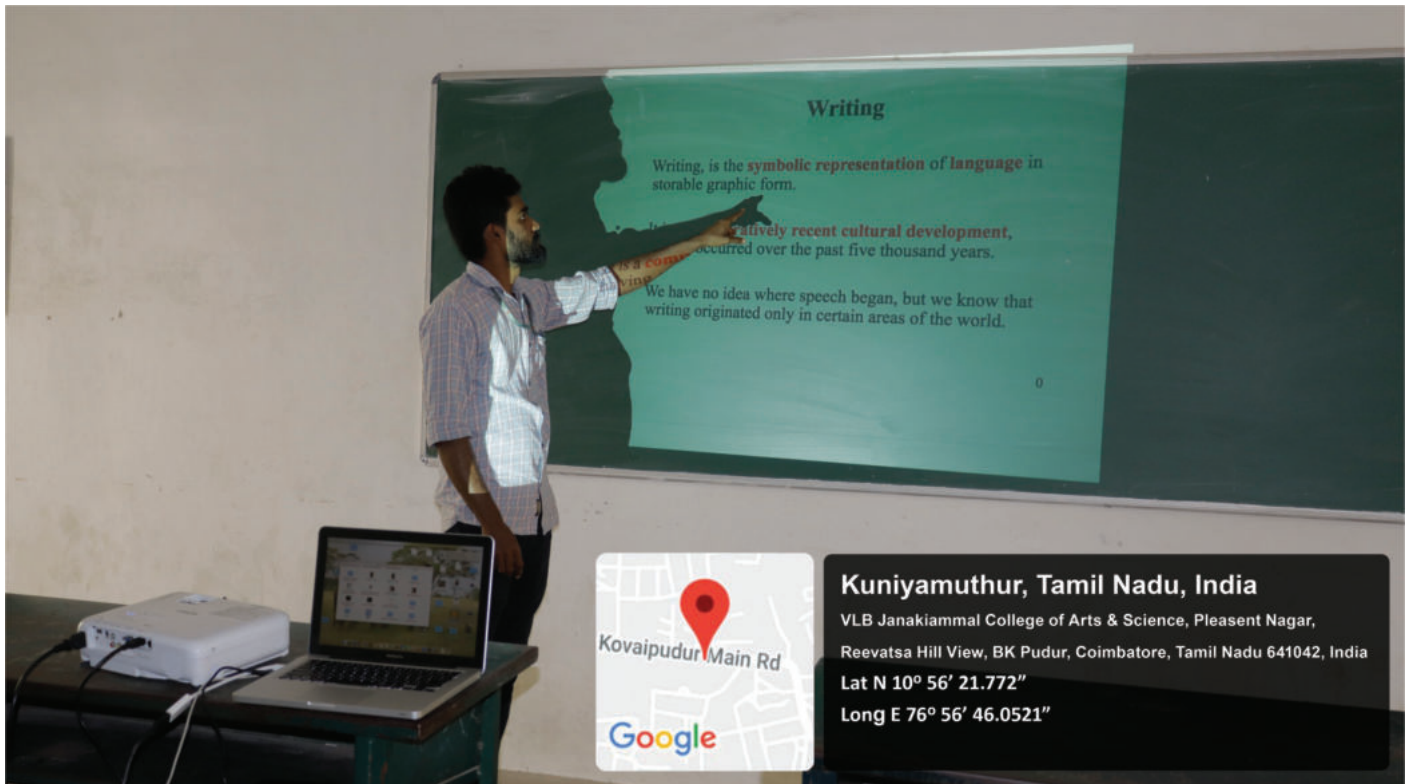
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Long E 76° 56' 46.0542"

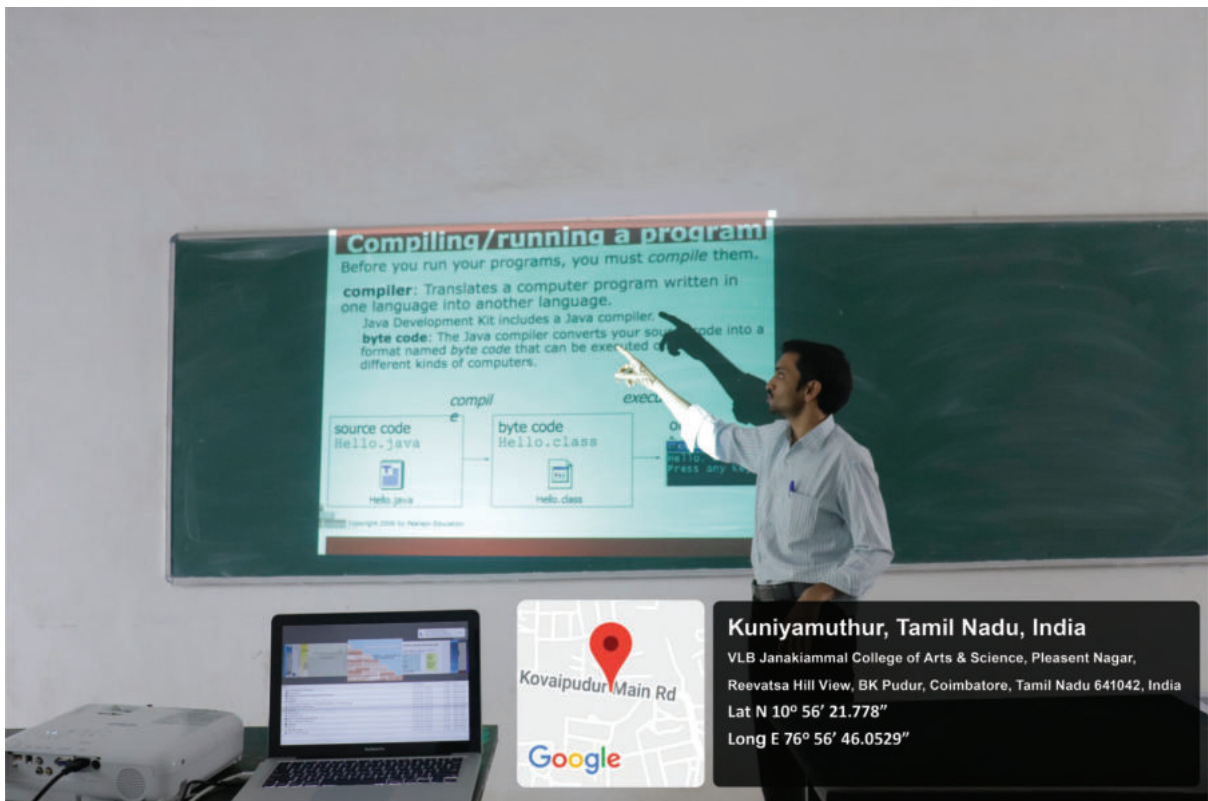
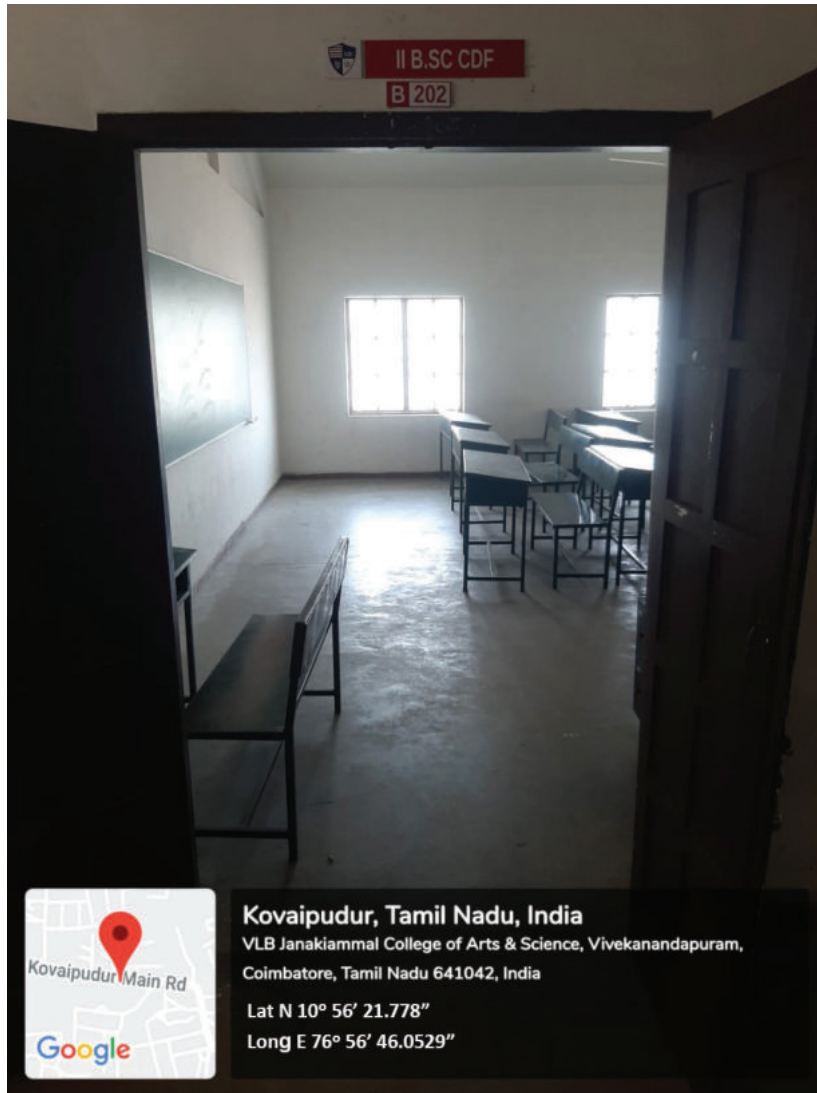




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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.772"
Long E 76° 56' 46.0521"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.772"
Long E 76° 56' 46.0521"





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Coimbatore, Tamil Nadu 641042, India

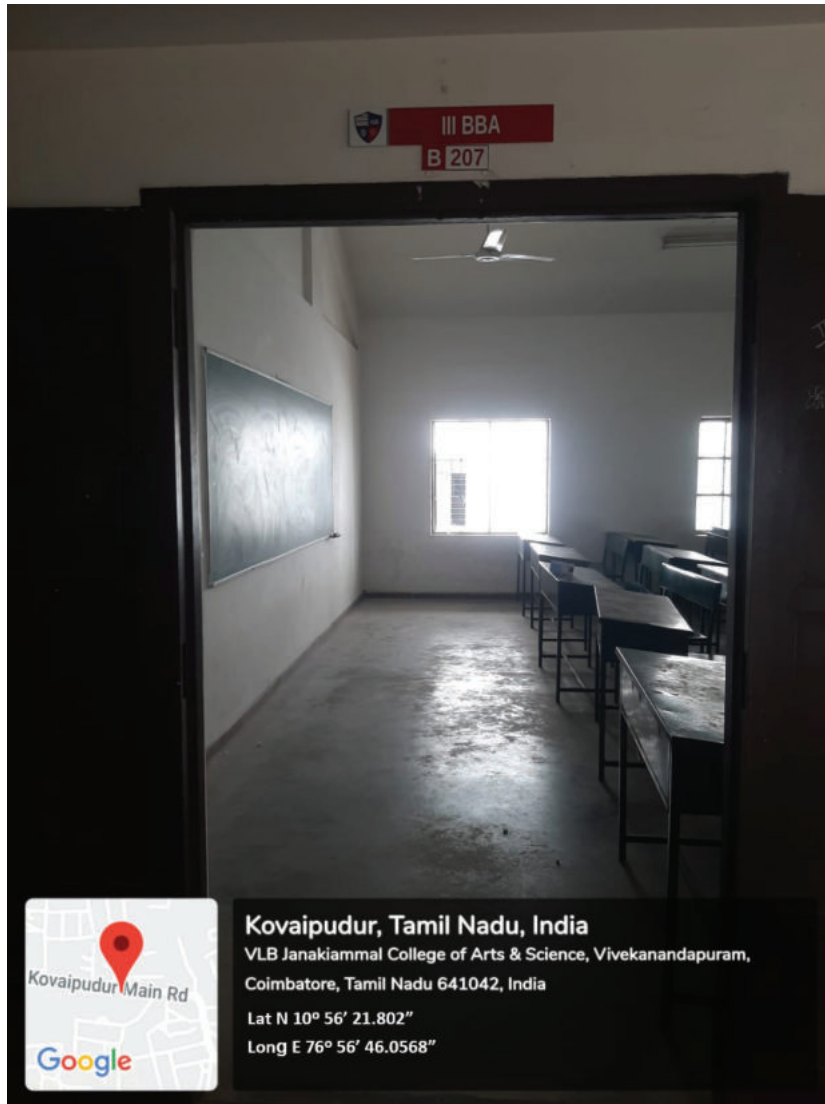
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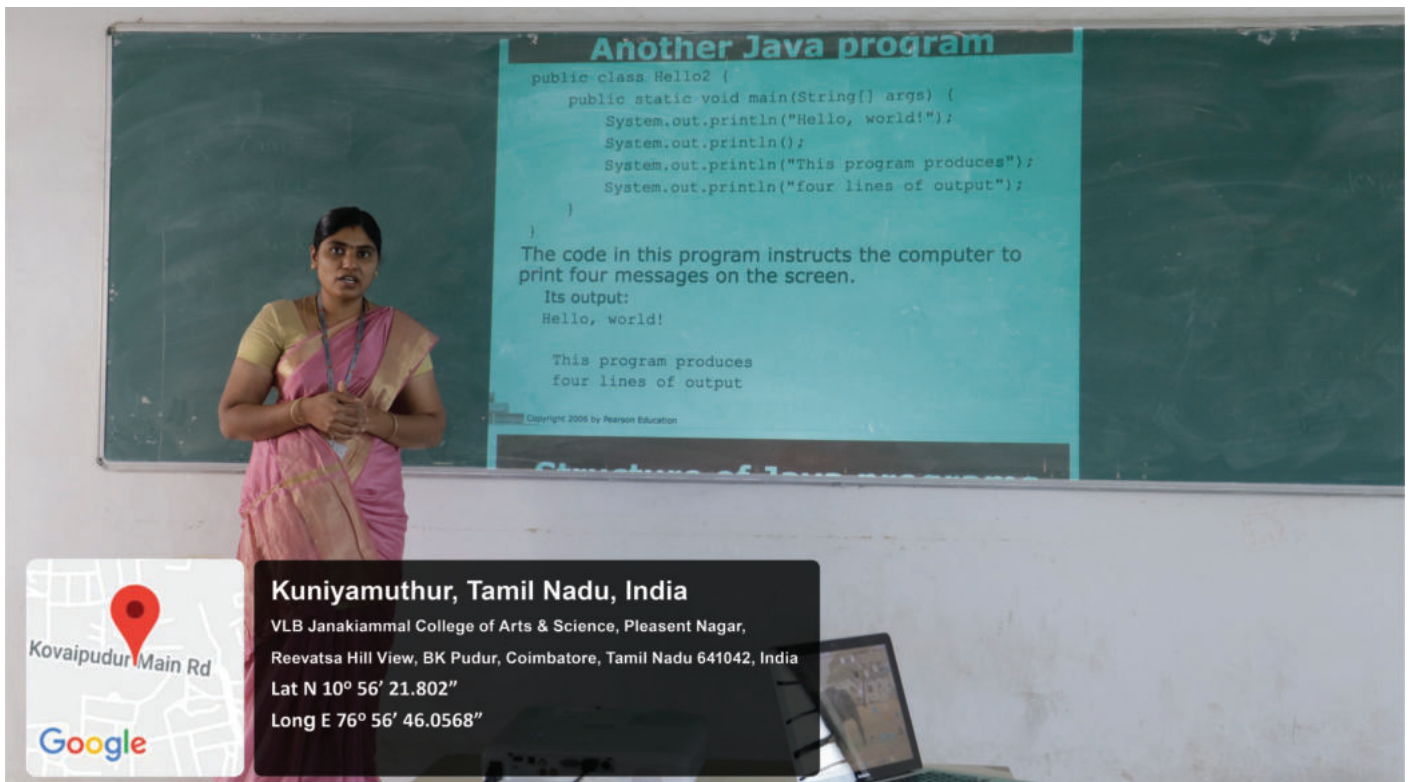
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VLB Janakiammal College of Arts & Science, Pleasent Nagar,
Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.780"
Long E 76° 56' 46.0534"







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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.802"
Long E 76° 56' 46.0568"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.802"
Long E 76° 56' 46.0568"



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Coimbatore, Tamil Nadu 641042, India

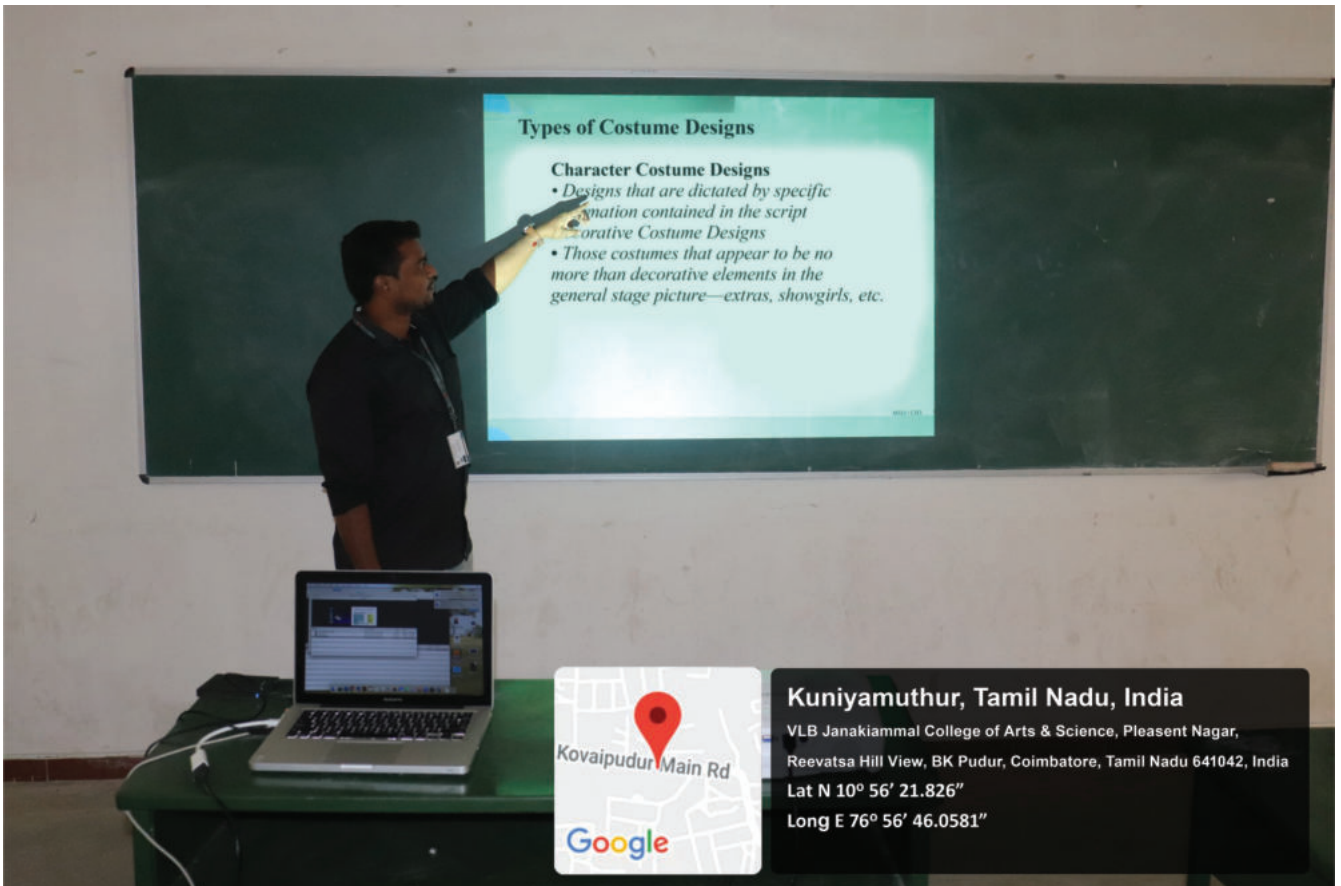
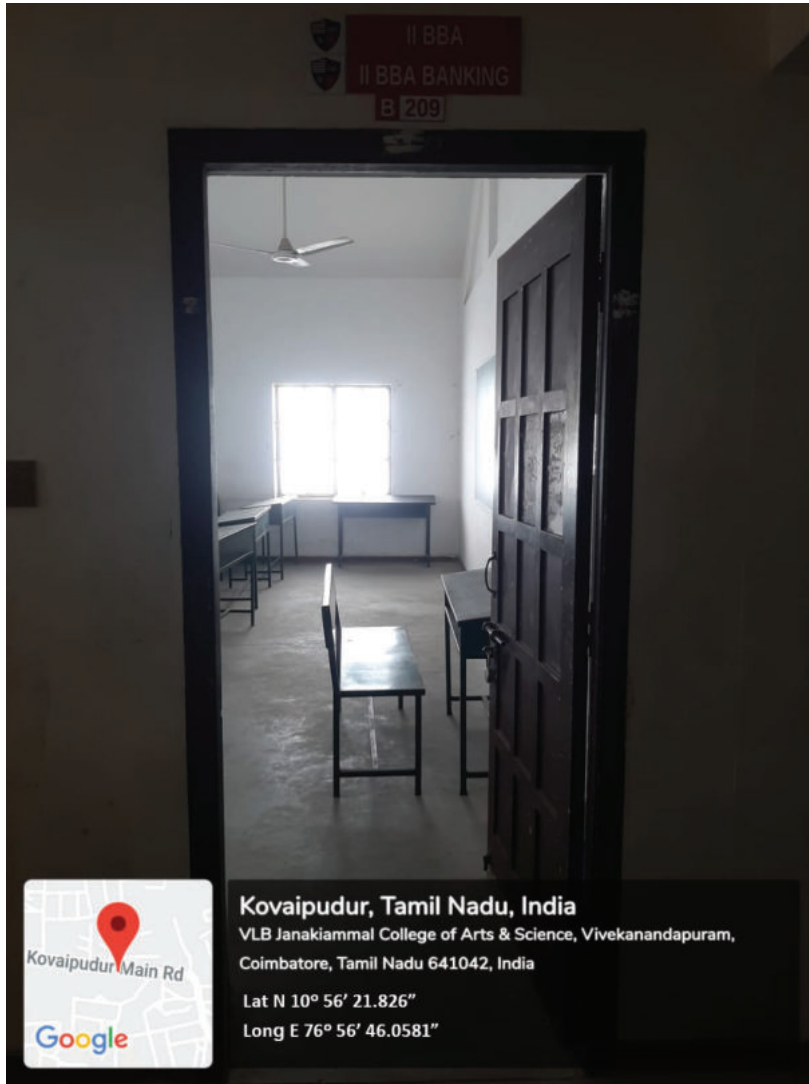
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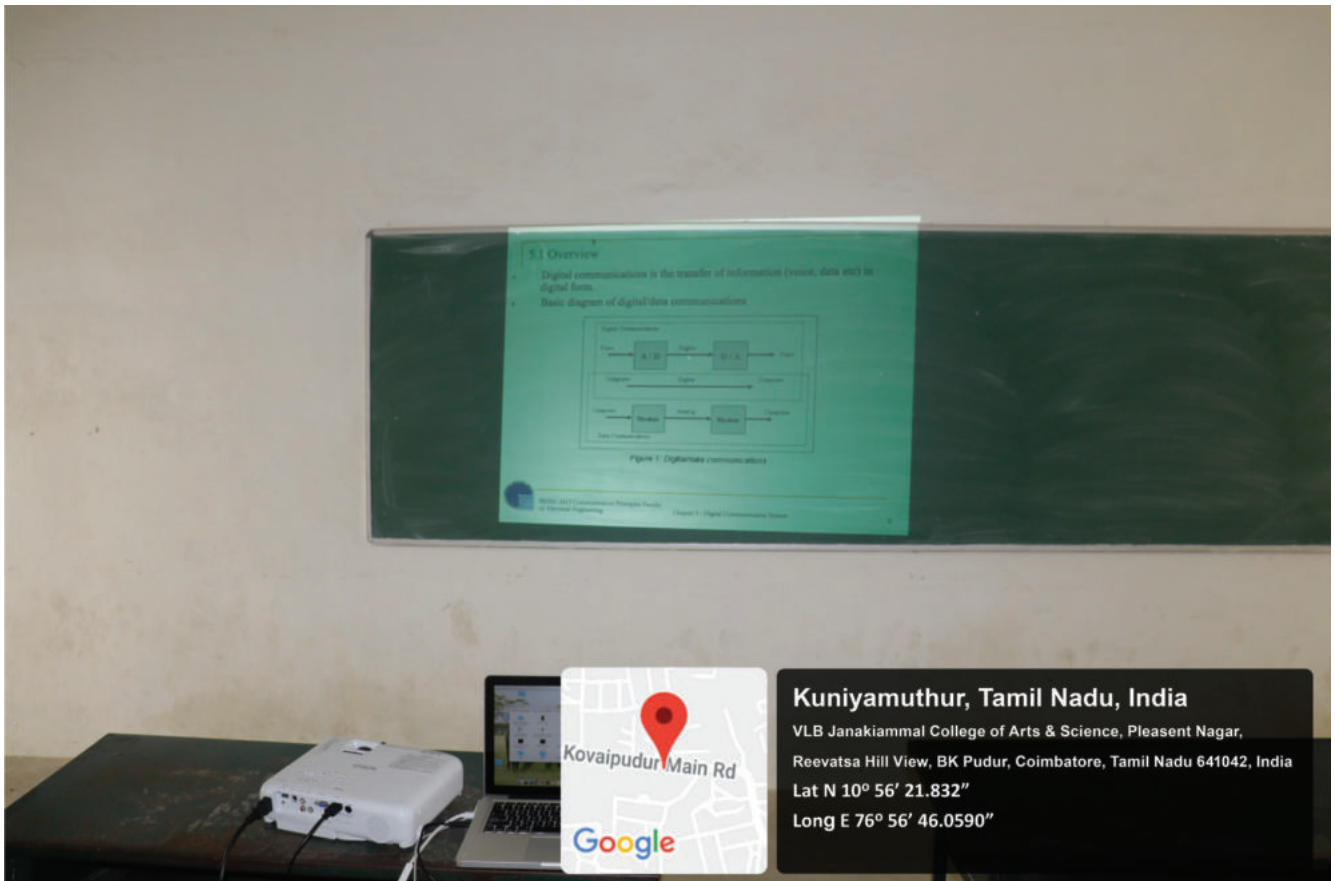


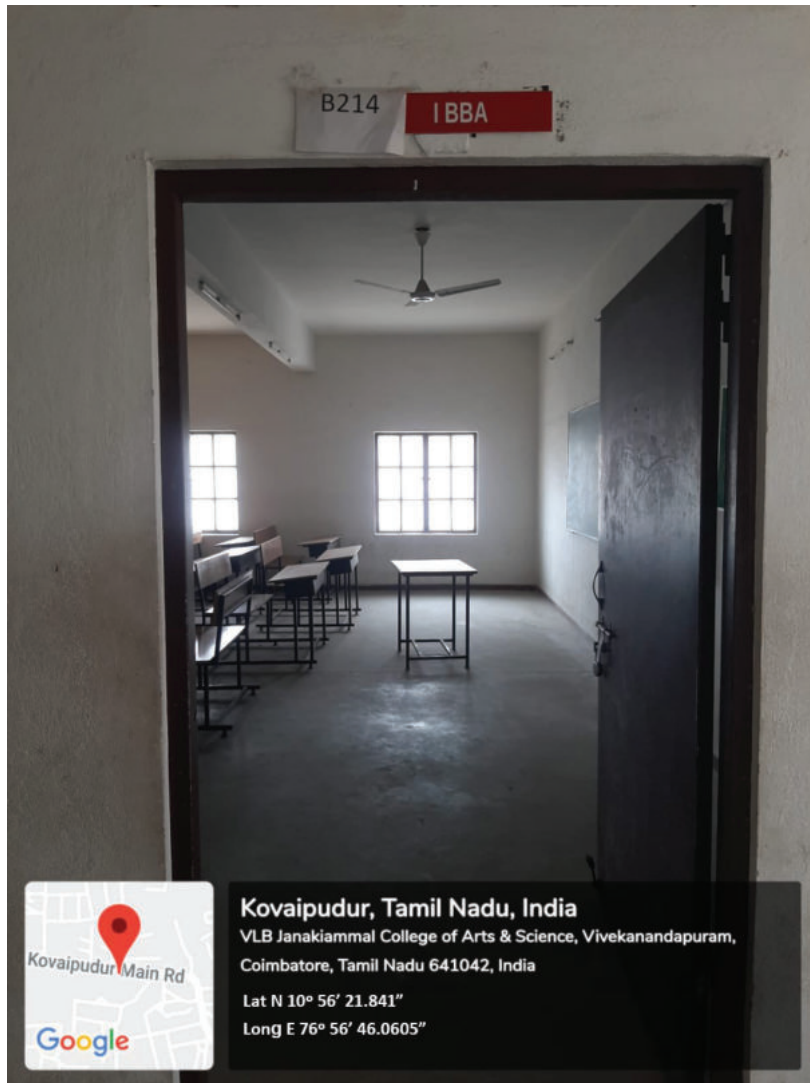
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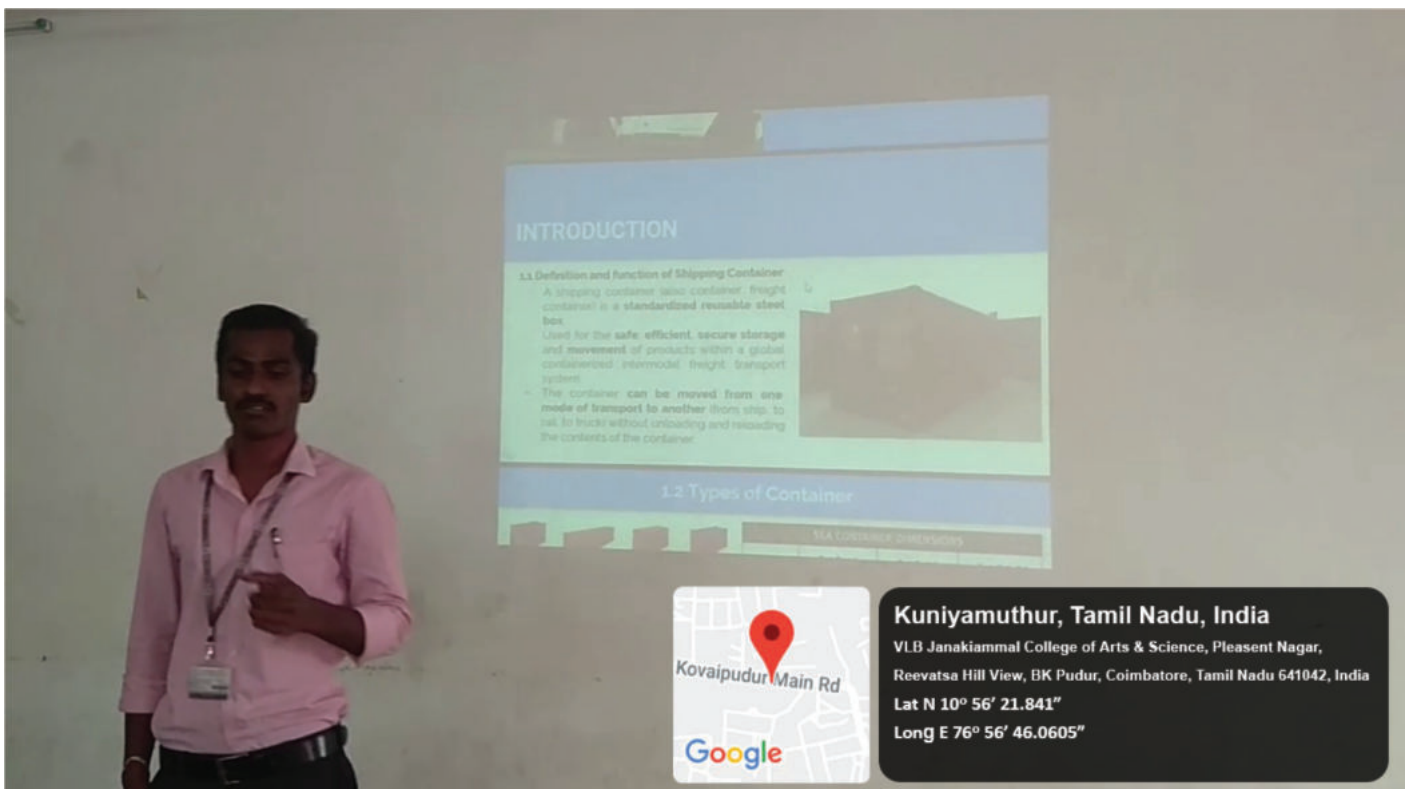
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Long E 76° 56' 46.0572"







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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.841"
Long E 76° 56' 46.0605"



INTRODUCTION

1.1 Definition and function of Shipping Container
A shipping container (also container, freight container) is a standardized reusable steel box.
Used for the safe, efficient, secure storage and movement of products within a global containerized intermodal freight transport system.
- The container can be moved from one mode of transport to another (from ship, to rail, to truck) without unloading and reloading the contents of the container.

1.2 Types of Container



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Long E 76° 56' 46.0605"



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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.848"
Long E 76° 56' 46.0615"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.848"
Long E 76° 56' 46.0615"





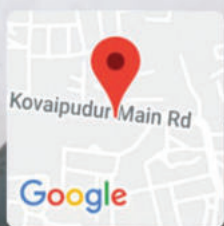
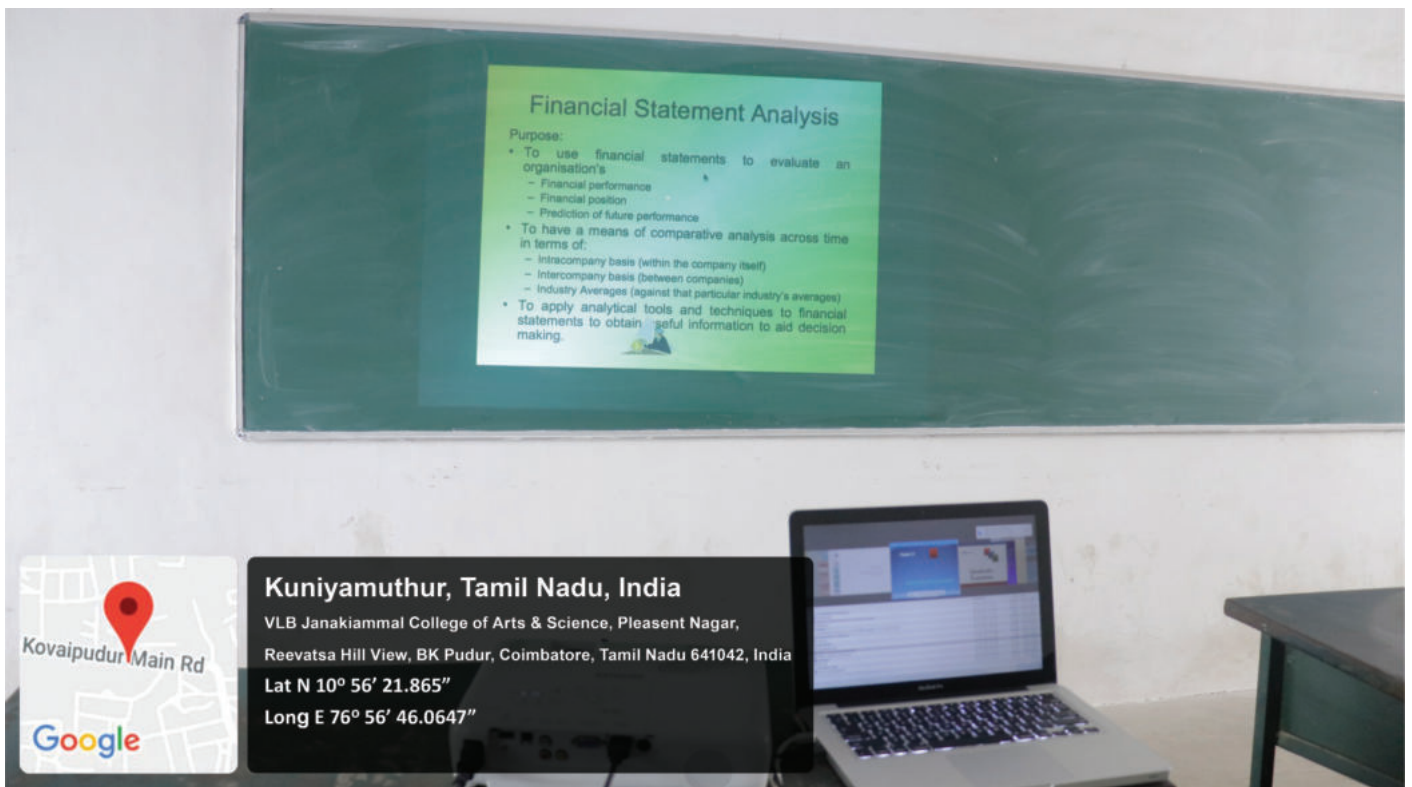
Kovaipudur, Tamil Nadu, India
VLB Janakiammal College of Arts & Science, Vivekanandapuram,
Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.853"
Long E 76° 56' 46.0630"



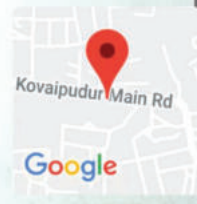
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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.853"
Long E 76° 56' 46.0630"



Kovaipudur, Tamil Nadu, India
VLB Janakiammal College of Arts & Science, Vivekanandapuram,
Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.865"
Long E 76° 56' 46.0647"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.865"
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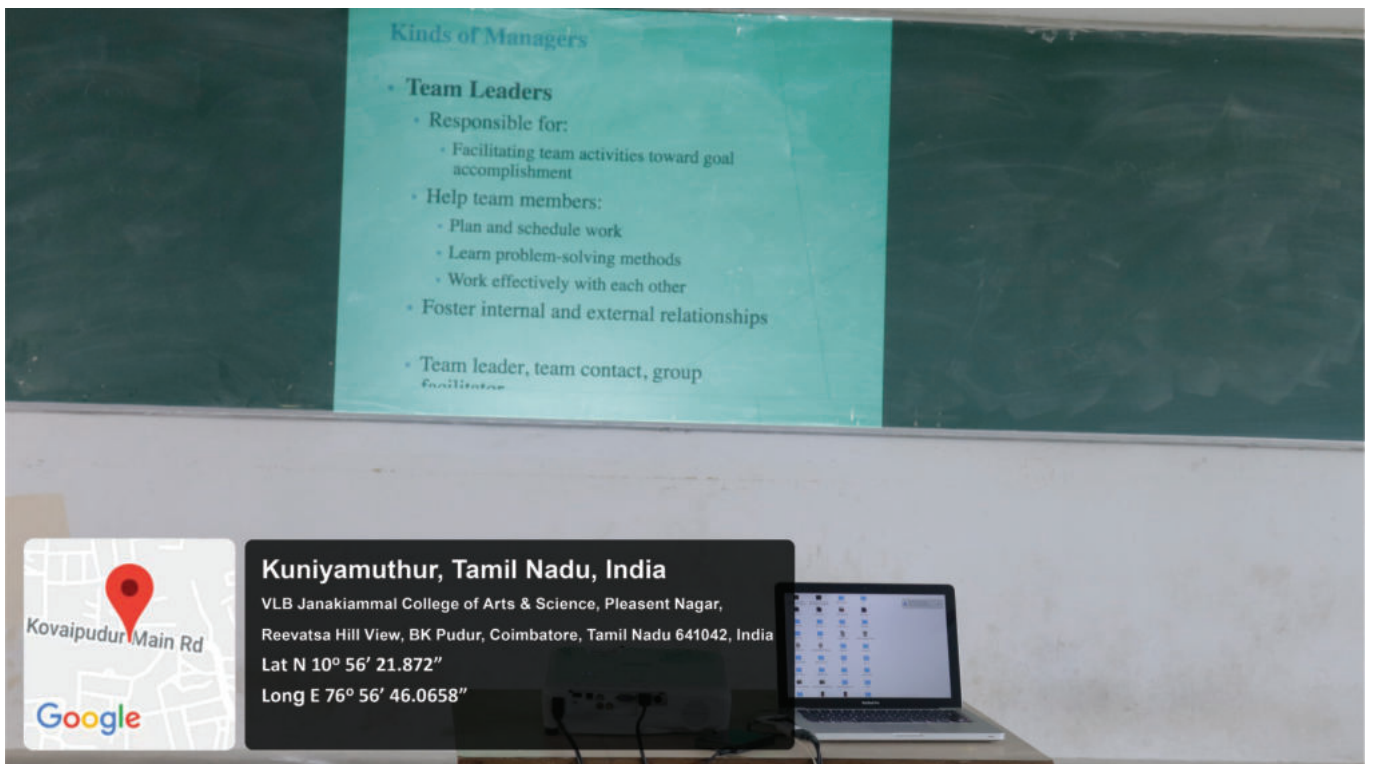


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Coimbatore, Tamil Nadu 641042, India

Lat N 10° 56' 21.872"

Long E 76° 56' 46.0658"



Kinds of Managers

- **Team Leaders**
 - Responsible for:
 - Facilitating team activities toward goal accomplishment
 - Help team members:
 - Plan and schedule work
 - Learn problem-solving methods
 - Work effectively with each other
 - Foster internal and external relationships
- Team leader, team contact, group facilitator



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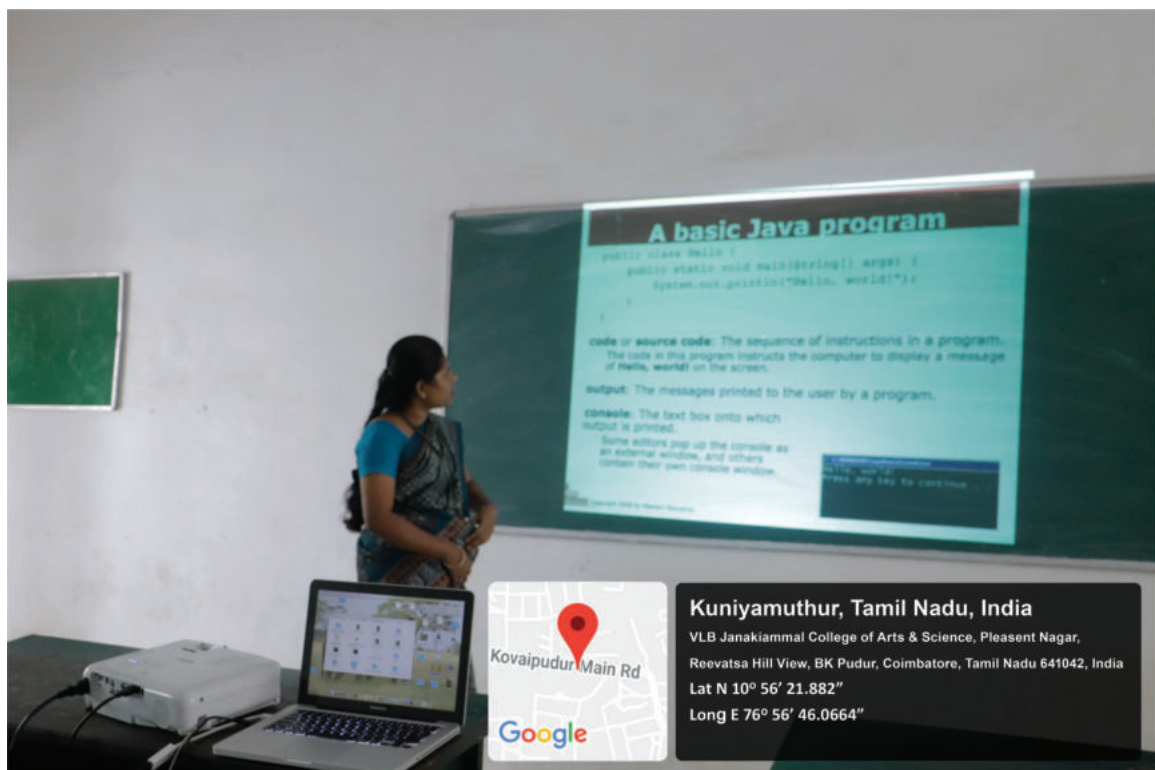
VLB Janakiammal College of Arts & Science, Pleasant Nagar,
Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India

Lat N 10° 56' 21.872"

Long E 76° 56' 46.0658"



Kovaipudur, Tamil Nadu, India
VLB Janakiammal College of Arts & Science, Vivekanandapuram,
Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.882"
Long E 76° 56' 46.0664"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.882"
Long E 76° 56' 46.0664"

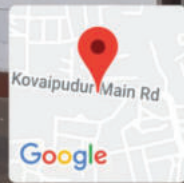


Kovaipudur, Tamil Nadu, India
VLB Janakiammal College of Arts & Science, Vivekanandapuram,
Coimbatore, Tamil Nadu 641042, India
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Long E 76° 56' 46.0671"

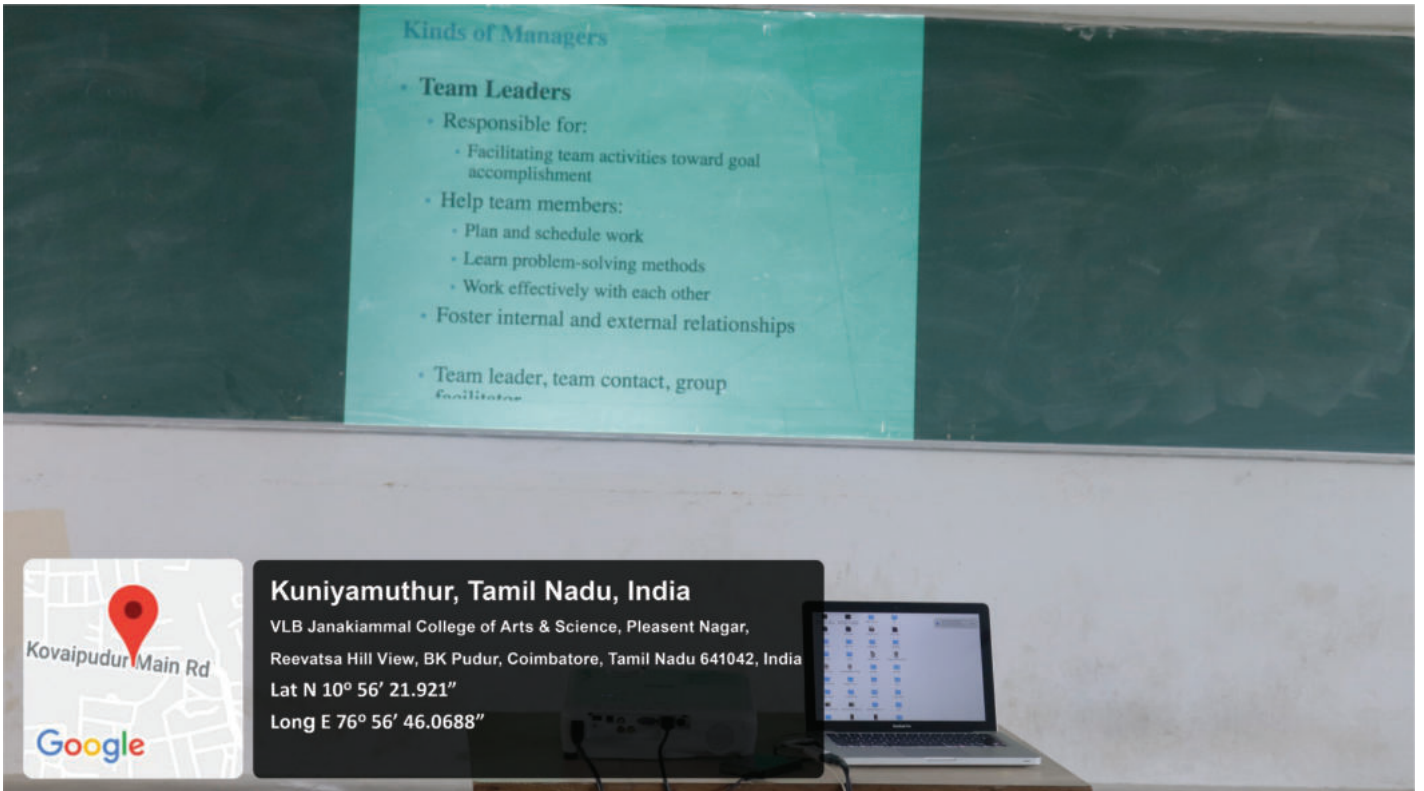


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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.892"
Long E 76° 56' 46.0671"





Kovaipudur, Tamil Nadu, India
VLB Janakiammal College of Arts & Science, Vivekanandapuram,
Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.921"
Long E 76° 56' 46.0688"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.921"
Long E 76° 56' 46.0688"

Kinds of Managers

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- Team leader, team contact, group facilitator





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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.929"
Long E 76° 56' 46.0691"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.929"
Long E 76° 56' 46.0691"







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Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.948"
Long E 76° 56' 46.0726"



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Reevatsa Hill View, BK Pudur, Coimbatore, Tamil Nadu 641042, India
Lat N 10° 56' 21.948"
Long E 76° 56' 46.0726"



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CRITERIA -IV

4.1.3 ICT FACILITIES –GEOTAGGED PHOTOGRAPHS FOR CLASSROOMS AND SEMINAR HALLS

C-BLOCK

C 101

Department of Physical Education

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Coimbatore, Tamil Nadu 641042, India

Lat N 10° 56' 21.714"

Long E 76° 56' 46.0464"



Kovaipudur Main Rd

Google

C 102

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Long E 76° 56' 46.0464"



Kovaipudur Main Rd

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Long E 76° 56' 46.0464"



Kovaipudur Main Rd

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C 104



Kovaipudur Main Rd

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