

The Department of Civil Engineering, PES's College of Engineering, Phaltan, organised one day educational visit to "Constructional Site" on 20th October, 2023 for SY B Tech students. Visit was organised as per Dr. Babasaheb Ambedkar Technological University guidelines and recommendations regarding syllabus of SY B Tech Civil Engineering.

Visit was organised with the prior permission and guidance of honourable Principal Prof. Dr. N. G. Narve by the initiative and hard efforts of Head of Department Mrs. Bhoite D.S. along with staff member Mr. Chavan K. U.

Students left the college for visit on 20th October at 10:15 am. The destination was "Construction site of IT Centre, Mudhoji College, Phaltan.

Students had a subject named building materials and construction in their 3rd semester where they have got the theoretical knowledge about all the structural components of the building and this visit had helped the students to get more information practically. Visiting a real time construction project allows the student to develop a greater understanding of how civil engineering theory is put into practice.

The main objective of this visit is:

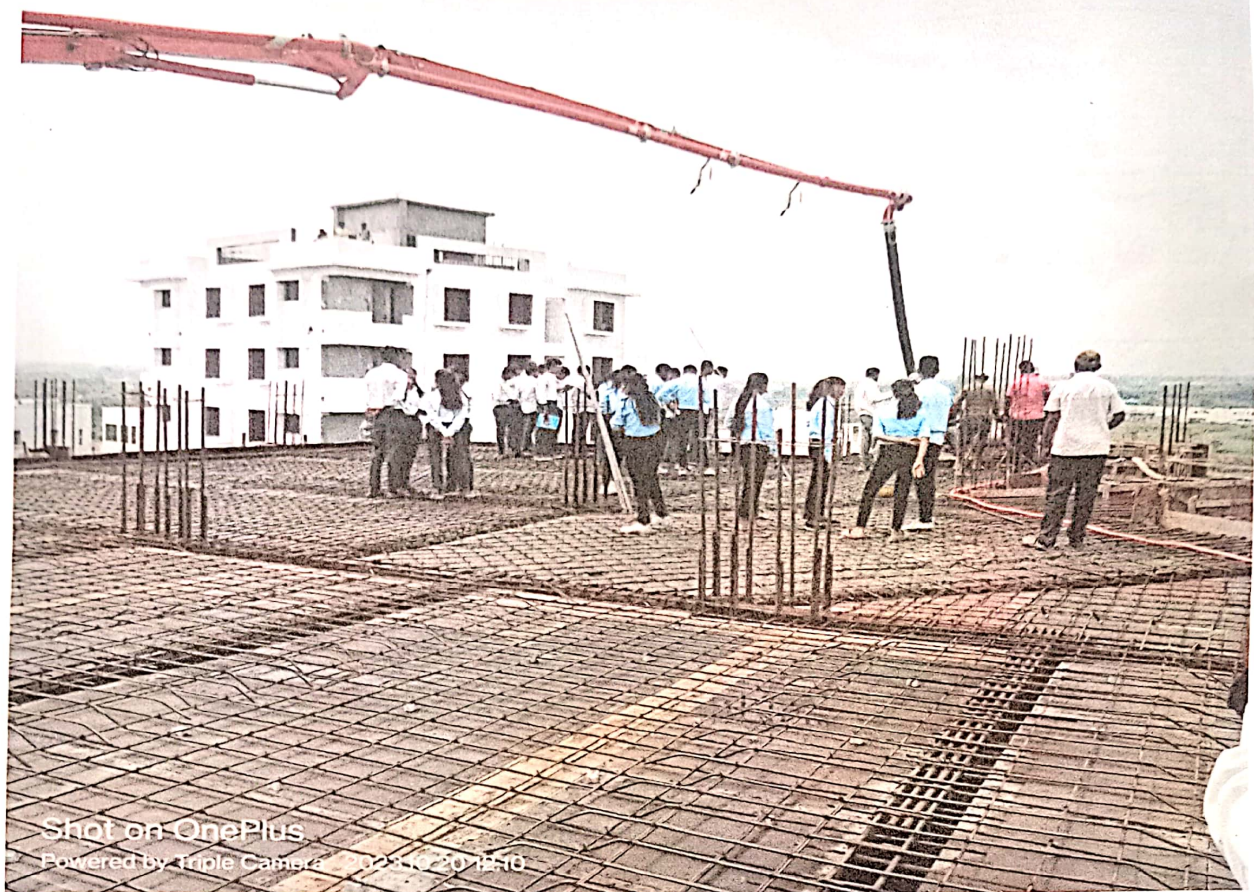
- To observed different techniques and activities carried out in a site.
- To explore various types of machinery and equipment used in a site.
- To have a feel of how the condition of the site really is.
- To have a up-close view of an entire building structure as opposed to see it in the building.

The visit began with an introduction to the construction site by Mr. Rajiv Naik Nimbalkar, Yash construction, Phaltan. He was very keen to know what the students expected from this visit to make it more fruitful. He explained about the technical aspects of the project in brief and the safety measures to be taken at the site during the visit.



Student are checking depth of beam during visit

He explained about the basic components of a building like Foundation, Plinth, Beam, Column, Slab, Staircase etc. During the visit, the construction of slab was in progress so the detailed and working drawing of the slab was explained to the students. Students were also exposed to the process of reading and understanding the working drawings at the site. The students also had an opportunity to observe the reinforcement details of slab.



Student seeing the reinforcement of slab

Students were explained about various equipment such as Concrete Mixer, Earth Excavation / moving equipment's, Bar bending Machine. He also explains the different stages of construction. The visit proved to be very much useful for the student for their future field Practice and satisfied the objectives as mentioned earlier.

The students well guided by Mr. Rajiv Naik Nimbalkar, Yash construction & Site Engineer Ms. Disha Dhumal during the visit.

Outcomes of Visit

- Students observed different techniques and activities carried out in a site. also machinery and equipment used in a site.
- Students understood reinforcement details of slab

Prof. Chavan K. U.
Subject Teacher

Prof. Bhoite D. S.
HOD

Prof. Dr. N. G. Narve
Principal
P.E.S's
College of Engineering
Phaltan, Dist. Satara (M.S.)

Phaltan Education Society's
College of Engineering Phaltan
Department of Civil Engineering
Academic Year 2023-24

Lst of Student Visited

Sr. No.	Roll No.	Name of Student
1	221102	Jadhav Shivam Nagnath
2	232101	Bhagat Suraj Shivajirao
3	232102	Chaudhari Sarthak Sanjay
4	232103	Dadas Anil Satish
5	232104	Gaikwad Amarsinh Dattatray
6	232105	Garud Raj Rahul
7	232106	Jadhav Karan Laxman
8	232107	Jadhav Sagar Prakash
9	232108	Lokhande Rohan Balu
10	232109	More Amarjeet Madhukar
11	232110	Phadatare Abhinav Vijay
12	232111	Ranaware Suhas Harishchandra
13	232112	Salunkhe Yogita Satish



PHALTAN EDUCATION SOCIETY

COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE- 406/2023-24
To,

Date : 15/09/2023

Mr. Vijay Devi,
Structural Consultant, Satara
Trustee, Builders' Association of India.

Sub: Invitation as a Chief Guest for **Engineer's Day Celebration.**

Dear sir,

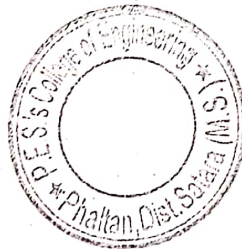
It is with great pleasure that I write to cordially invite you as a Chief Guest **Engineer's Day Celebration on 15th September 2023 at 11.00 am.** You are a symbol of success and inspiration for all of us and your presence and words will be a source of motivation for students and us. It would be a huge surprise for students to see you as Chief Guest in between them.

Kindly, make out some time from your busy schedule and appear in between us all as an Honourable Chief Guest. This will enhance the privilege of our event.

We are eagerly waiting for your positive response.

Thanks and regards,

Yours truly,



Prof. Dr. N. G. Narve
Principal
P.E.S.'s
College of Engineering
Phaltan, Dist. Satara (M.S.)





PHALTAN EDUCATION SOCIETY COLLEGE OF ENGINEERING, PHALTAN

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Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal.Phaltan, Dist.Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in Website : www.coephaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof.Dr. N. G. Narve
Principal

Ref. No. : COE- 405/2023-24

Date : 15/09/2023

To,
Mr. Vijay Devi,
Structural Consultant Satara.
Trustee, Builders' Association of India.

Subject: Appreciation Letter for your auspicious presence on occasion of Engineer's Day.

Dear Sir,

I am very grateful to you for your auspicious presence on occasion of Engineers Day on 15 th September as Chief Guest for Program and addressed our students. Our students will definitely get motivated from your motivating words. I am also looking for healthy relation with you and your company.

Once again, I am very grateful to you for your kind cooperation.



Yours faithfully

Prof.Dr.N.G.Narve
Principal
P.E.S's
College of Engineering
Phaltan, Dist. Satara (M.S.)



Date: 16/9/2023

Engineer Day Report

Engineer Day is celebrated in honour of Sir Mokshagundam Visvesvaraya, a renowned Indian engineer, and is observed on the 15th of September every year in India. This day is an opportunity to pay tribute to the contributions of engineers to society. Phaltan Education Society's College of Engineering, Phaltan organized a grand celebration in recognition of Engineer's Day on 15/09/2023. This report aims to provide an overview of the activities and events that took place during the celebration.

This event is organized by Civil Engineering Department in association with Builder Association of India, Phaltan centre. This event is planned to create awareness to students and faculties on Role of engineers in the development of our Nation. On this day, Shri Vijay Devi, Trustee Builder Association of India, Phaltan centre gave speech on the topic **"How to become successful Engineer after getting Degree Award."** For this event Mr. Kiran Dandile, Chairmen Builder Association of India, Phaltan centre, District Governor Lions Club Mr. Bhojraj Naik Nimbalkar, Mr. Sunil Saste Vice-Chairmen Builder Association of India, Phaltan centre, Prof. Dr. N. G. Narve Principal, PES's College of Engineering, Phaltan Mrs. Dhanashri Bhoite, HOD Civil, All department HOD's, BAI-Phatan members, Lions Club-Phaltan members, staffs and around 100 students were present.

The detailed report is given below:

Inaugural function started at 11:00 am in Seminar Hall No.1. Inaugural function started with Lighting and photo worship of God Vishwakarma and Bhart Ratna Sir a Mokshagundam Visvesvaraya. The program was introductory by Mr. Kiran Dandile & Mr. Gorad C. M. compered the program and introduced the guests.



1. Mr. Gorad C. M hosting and introducing the guests



2. Welcome of dignitaries by Principal Sir



3. Vijay Devi Sir was guiding the audience

The keynote speaker of the program, Shri Vijay Devi said that, “Engineers celebrate this **Engineers Day** every year as Bharatratn Sir Mokshgundam Visvesvaraya’s birthday. Sir has guided on the topic of “How to become successful Engineer after getting Degree Award.” During his speech he has highlighted following point.

- You should learn from failure, as a Failure is first step of success
- Maintain daily work dairy
- Read Book
- To learn new thing regarding your core subject

The Engineers Day celebration was concluded with the valedictory function. Shri C. M. Gorad Sir, COE, Phaltan gave the vote of thanks.



4. Gorad Sir during Vote of Thanks

Submitted By

Mr. K. U. Chavan

Head of Department
Civil Engineering
College of Engineering, Phaltan

Prof. Dr. N. C. Naive
Principal
P.E.S's
College of Engineering
Phaltan, Dist. Satara (M.S.)

विद्यया ऽ मृतमश्नुते
FOUNDER
Shreemant Maloji Rao Naik Nimbalkar
Rajasaheb Phaltan
PHALTAN EDUCATION SOCIETY'S



COLLEGE OF ENGINEERING, PHALTAN

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Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P.E.S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE-01/2024-25

Date : 01/04/2024

WORK ORDER

To,
Mr. Rupesh Gangatire,
Software Developer,
Regex Technologies,
Phaltan, Maharashtra.

Dear Sir,

As per your proposal on dated 01/04/2024 and telephonic discussion with us we have finalised your proposal of Student Development Program for First Year Degree students on "Programming in C". Details of same as mentioned below:

Sr. No.	Course Duration	No. of Students	Cost Per Day (Rs.)	Total Cost (Rs.)
1	30hrs (5 Days X 6 hrs.)	Two Batch 112	Each batch (37500/-)	75,000/-

Kindly request you to start above value added program "Programming in C from 02th to 06th April 2024.

Thanking you,



Prof. Dr. N. G. Narve
Principal

College of Engineering, Phaltan.

Date: - 08/04/2024

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on Five Day Workshop on Computer Programming in C- Day1 in association with **Regex Technologies, Phaltan** organized by Computer Engineering Department of PES COE, Phaltan.

Program Details:

Venue: Computer Center (Cappgemini lab) of, PES's College of Engineering, Phaltan.

Date: 03th April to 07th April 2023.

Time: 10:00 am to 5:00pm

Resource Person: Mr. Rupesh Gangatire and Mr. Indrajeet Dhalpe Software Developer at **Regex Technologies, Phaltan.**

No. of Students: 112

No. of Faculty: 2

Objectives:

- Provide introduction about C Programming.
- Implement important program of C programming.

Introduction

C is a general-purpose programming language that is extremely popular, simple, and flexible to use. It is a structured programming language that is machine-independent and extensively used to write various applications, Operating Systems like Windows, and many other complex programs like Oracle database, Git, Python interpreter, and more.

It is said that 'C' is a god's programming language. One can say, C is a base for the programming. If you know 'C,' you can easily grasp the knowledge of the other programming languages that uses the concept of 'C'.

About Trainer: -

- Mr. Rupesh Gangatire
 - Mr. Indrajeet Dhalpe
- Regex Technologies, Phaltan.**

Day 1: Date: 03/04/2024

Session 1: Time: 10:30am to 11:30am

Program Inauguration:-

Program started with Inauguration and felicitation of the guests. **Prof. S. V. Kalel**, HOD, Computer Department gave overview of the workshop and **Prof. S. V. Kalel** gave introduction about respected guest **Mr. Rupesh Gangatire** and **Mr. Indrajeet Dhalpe**.

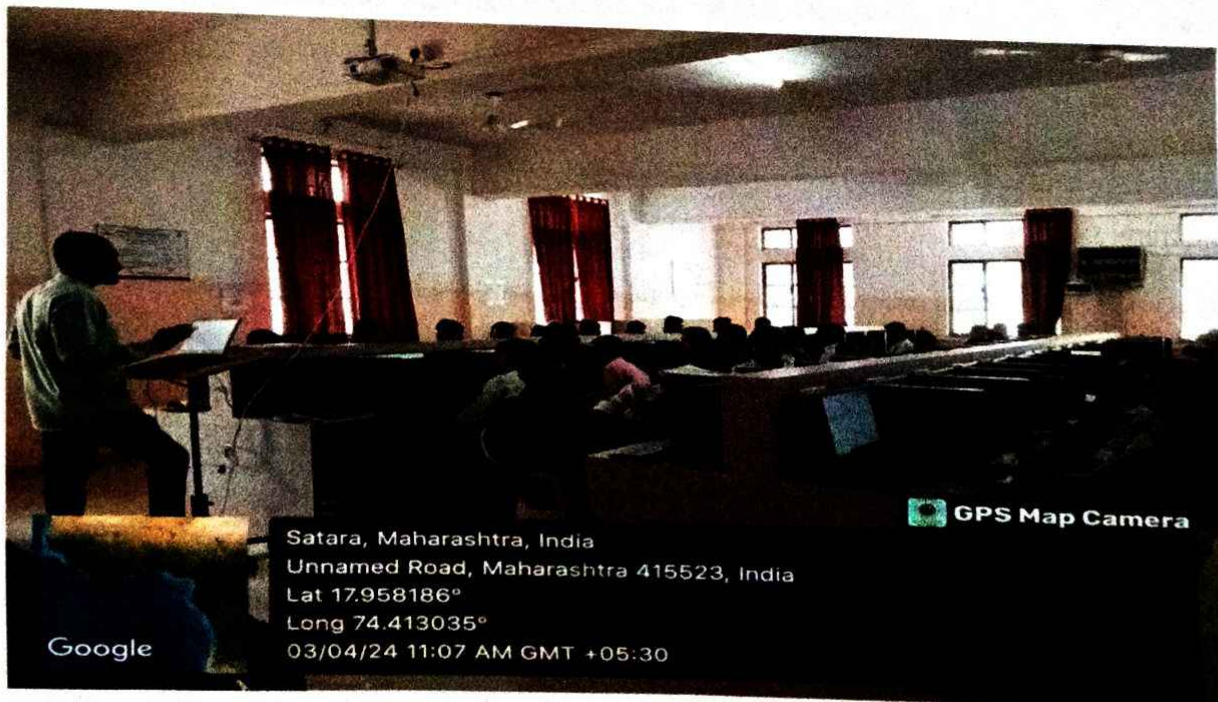
After that **Prof. Dr. N. G. Narve** Principal PES's COE, Phaltan shared their thoughts about this workshop.

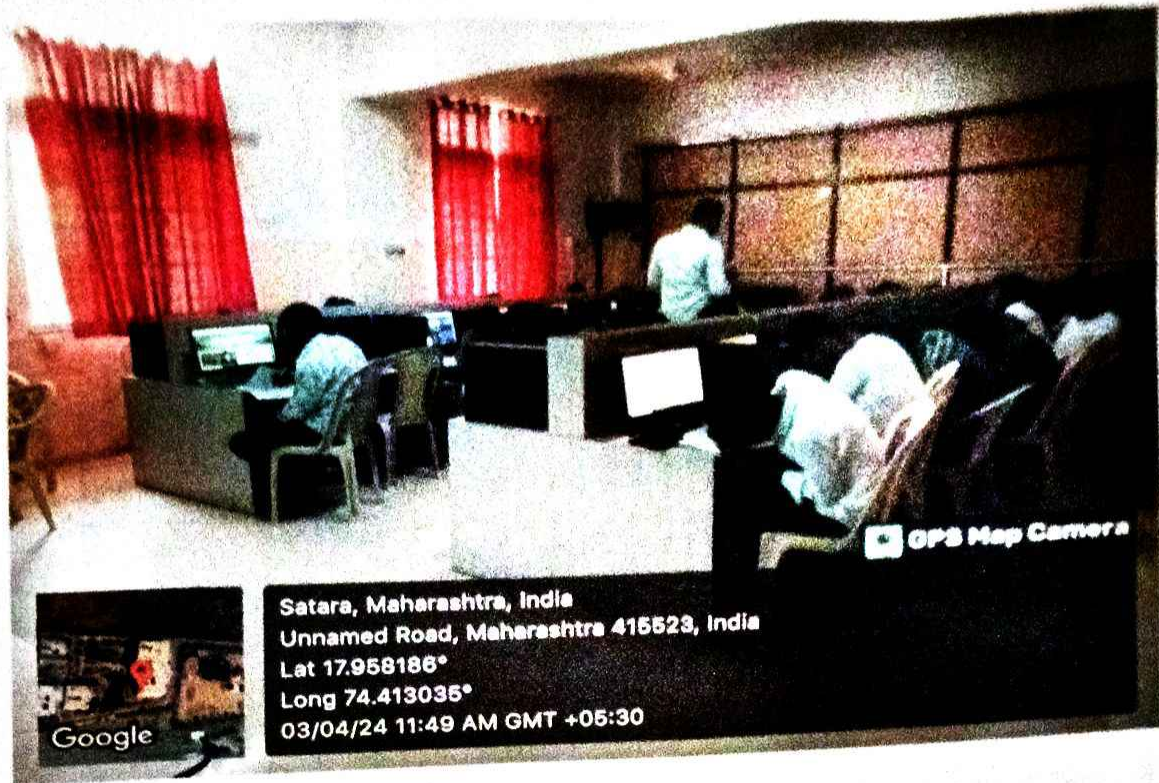


Felicitation of guest **Mr. Rupesh Gangatire** by **Prof. Dr. N. G. Narve** sir, Principal PES's COE, Phaltan.



Felicitation of guest **Mr. Indrajeet Dhalpe** by **Prof. Dr. N. G. Narve** sir, Principal PES's COE, Phaltan.





Session 2: Time: 11:50 am to 01:30pm

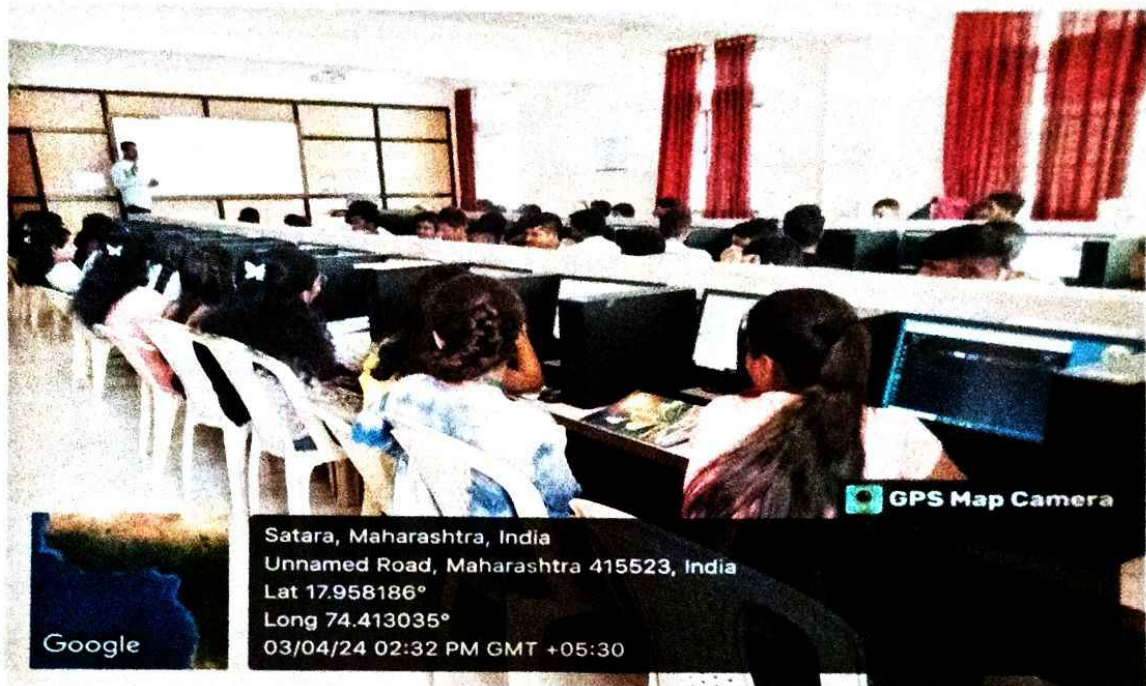
❖ Introduction of C:

In 1972, a great computer scientist Dennis Ritchie created a new programming language called 'C' at the Bell Laboratories. 'C' is a powerful programming language which is strongly associated with the UNIX operating system. Even most of the UNIX operating system is coded in 'C'. Initially 'C' programming was limited to the UNIX operating system, but as it started spreading around the world, it became commercial, and many compilers were released for cross-platform systems.

Today 'C' runs under a variety of operating systems and hardware platforms. As it started evolving many different versions of the language were released. At times it became difficult for the developers to keep up with the latest version as the systems were running under the older versions. To assure that 'C' language will remain standard, American National Standards Institute (ANSI) defined a commercial standard for 'C' language in 1989. Later, it was approved by the International Standards Organization (ISO) in 1990. 'C' programming language is also called as 'ANSI C'.

❖ Why learn C Language?

- As we studied earlier, 'C' is a base language for many programming languages. So, learning 'C' as the main language will play an important role while studying other programming languages. It shares the same concepts such as data types, operators, control statements and many more. 'C' can be used widely in various applications. It is a simple language and provides faster execution. There are many jobs available for a 'C' developer in the current market.



Trainer gives introduction about C Programming.

Session 3:

Time: 02:00pm to 05:00pm

In this session trainer covered the following points,

❖ Basic of C:

A **variable in C** is a memory location with some name that helps store some form of data and retrieves it when required. We can store different types of data in the variable and reuse the same variable for storing some other data any number of times.

They can be viewed as the names given to the memory location so that we can refer to it without having to memorize the memory address. The size of the variable depends upon the data type it stores.

C Variable Types

The C variables can be classified into the following types:

1. **Local Variables:** - A **Local variable in C** is a variable that is declared inside a function or a block of code. Its scope is limited to the block or function in which it is declared.
2. **Global Variables:** - A **Global variable in C** is a variable that is declared outside the function or a block of code. Its scope is the whole program i. e. we can access the global variable anywhere in the C program after it is declared.



Trainer gives information about basic of C programming.

Outcome of Day 1: -

All the students of First Year are very aware about History of C and basic concepts of C Programming.

Thanking You!

Yours faithfully,

Prof. Ms. S. S. Alate

Ass. Prof. – Computer Dept.

Date: - 08/04/2024

To,

The Principal,

PES's College of Engineering, Phaltan

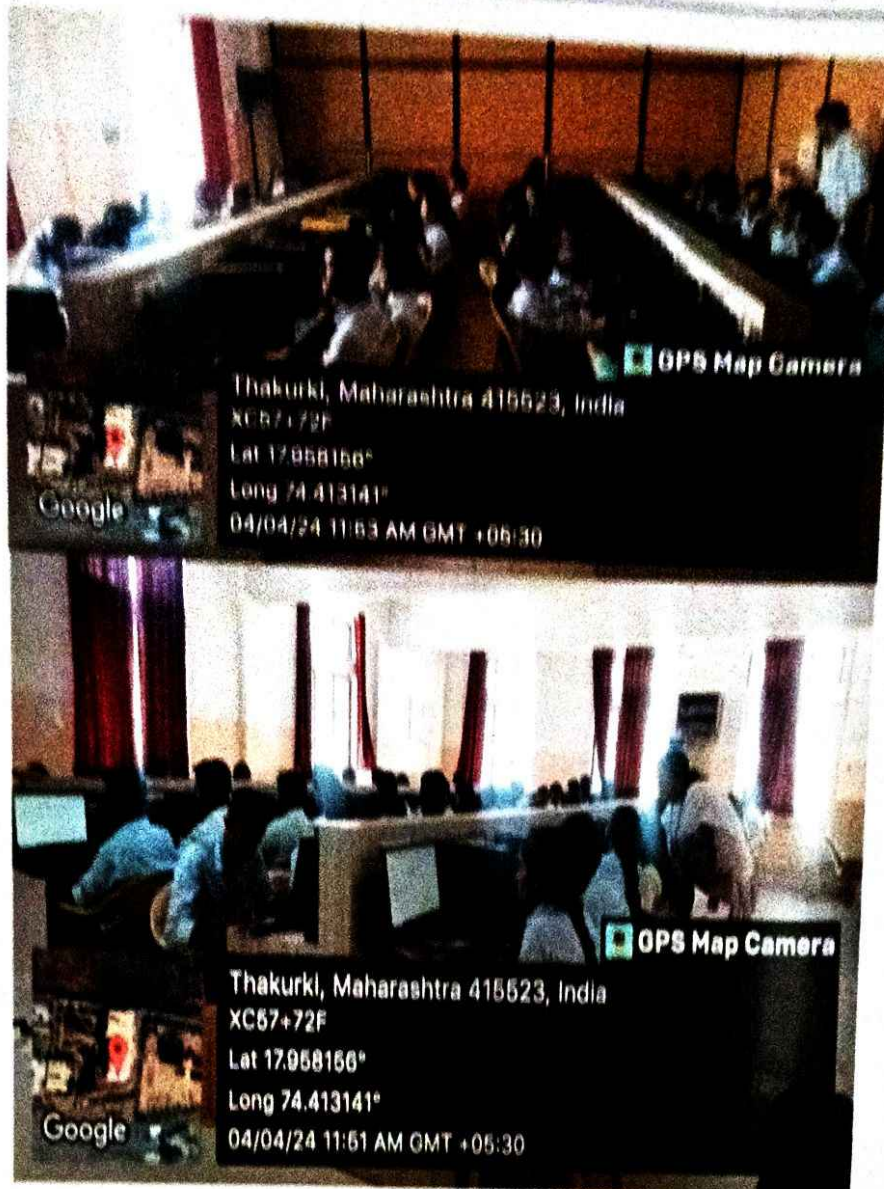
Subject: -Report on **Five Day Workshop on Computer Programming in C- Day2** in association with **Regex Technologies, Phaltan.** organized by Computer Engineering Department of PES COE, Phaltan

Day 2: 04/04/2024**Session 1: Time: 10:00 am to 01:00pm****Introduction of Data Types in C:**

Day 2 of workshop is started at 10.30 am sharp. Session was started with some revision of concepts taught in Day 1. In this session started the introduction each variable in C has an associated data type. It specifies the type of data that the variable can store like integer, character, floating, double, etc. Each data type requires different amounts of memory and has some specific operations which can be performed over it. The data type is a collection of data with values having fixed values, meaning as well as its characteristics.

The data types in C can be classified as follows:

Types	Description
Primitive Data Types	Primitive data types are the most basic data types that are used for representing simple values such as integers, float, characters, etc.
User Defined Data Types	The user-defined data types are defined by the user himself.
Derived Types	The data types that are derived from the primitive or built-in datatypes are referred to as Derived Data Types.



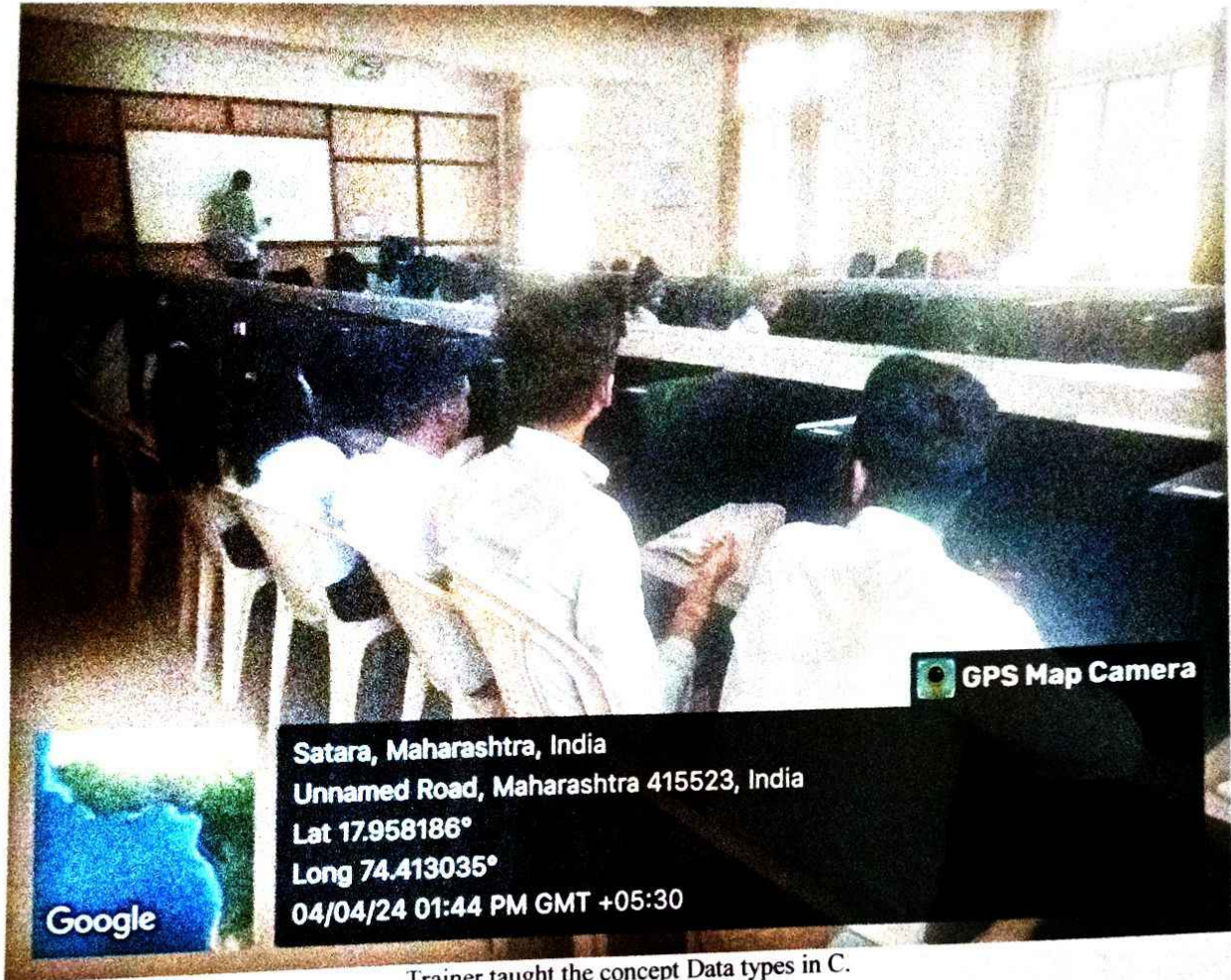
Trainer taught the concept Data types in C.

Day 2: 04/04/2024

Session 2: Time: 01:30 am to 05:00pm

Different data types also have different ranges up to which they can store numbers. These ranges may vary from compiler to compiler. Below is a list of ranges along with the memory requirement and format specifiers on the *32-bit GCC compiler*.

Data Type	Size (Bytes)
short int	2
unsigned short int	2
unsigned int	4
int	4
long int	4
unsigned long int	4
long int	8
unsigned long int	8
signed char	1
unsigned char	1
float	4
double	8
Long double	16



Trainer taught the concept Data types in C.

Outcome of Day 2:-

All the students of First Year are very aware about which data types is used in C Programming.

Thanking You!

Yours faithfully,

Prof. Ms. S. S. Alate

Ass. Prof. – Computer Dept.

Date: - 08/04/2024

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on **Five Day Workshop on Computer Programming in C- Day3** in association with **Regex Technologies, Phaltan.** organized by Computer Engineering Department of PES COE, Phaltan

Day 3: 05/04/2024

Session 1: Time: 10:00 am to 01:00pm

- **Conditional Statements in C:**

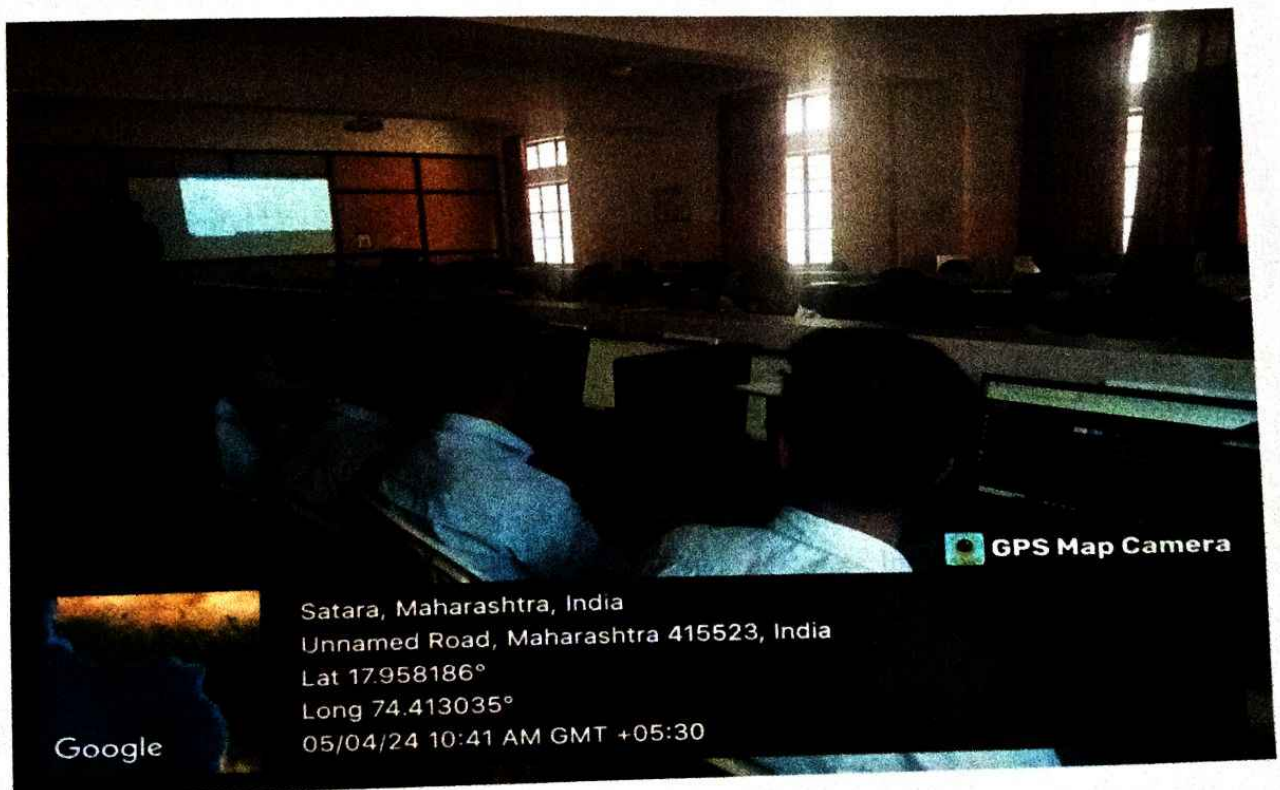
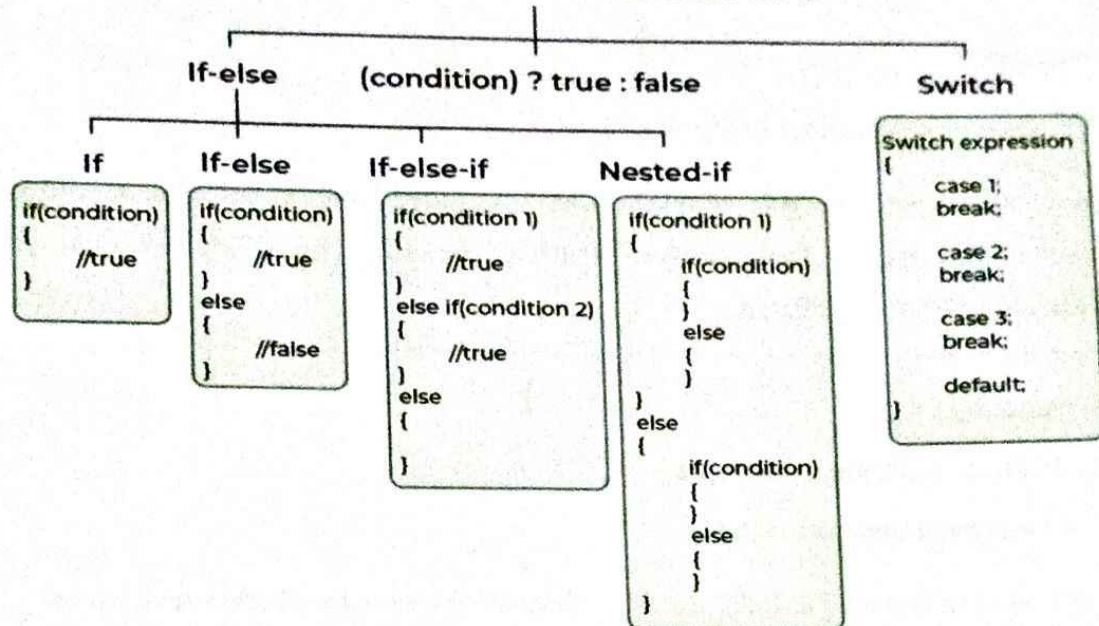
Day 3 of workshop is started at 10.00 am sharp. Session was started with some revision of concepts taught in Day 2. In this session started the concept of Conditional Statements. The **conditional statements** (also known as decision control structures) such as if, if else, switch, etc. are used for decision-making purposes in C programs. They are also known as Decision-Making Statements and are used to evaluate one or more conditions and make the decision whether to execute a set of statements or not. These decision-making statements in programming languages decide the direction of the flow of program execution.

- **Need of Conditional Statements**

There come situations in real life when we need to make some decisions and based on these decisions, we decide what should we do next. Similar situations arise in programming also where we need to make some decisions and based on these decisions, we will execute the next block of code. For example, in C if x occurs then execute y else execute z. There can also be multiple conditions like in C if x occurs then execute p, else if condition y occurs execute q, else execute r. This condition of C else-if is one of the many ways of importing multiple conditions.

- **Types of Conditional Statements in C**

Conditional Statements in C



Trainer taught the concept of conditional statements.

Day 3: 05/04/2024

Session 2: Time: 2:00 am to 05:00pm

C Loops:

Loops in programming are used to repeat a block of code until the specified condition is met. A loop statement allows programmers to execute a statement or group of statements multiple times without repetition of code.

```
// C program to illustrate need of loops
```

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    printf( "Hello World\n");
```

```
    printf( "Hello World\n");
```

```
    printf( "Hello World\n");
```

```
    printf( "Hello World\n");
```

```
    printf( "Hello World\n");
```

```
    printf( "Hello World\n");
```

```
    printf( "Hello World\n");
```

```
    return 0;
```

```
}
```


Output

Hello World

Hello World

Hello World

Hello World

Hello World

Hello World

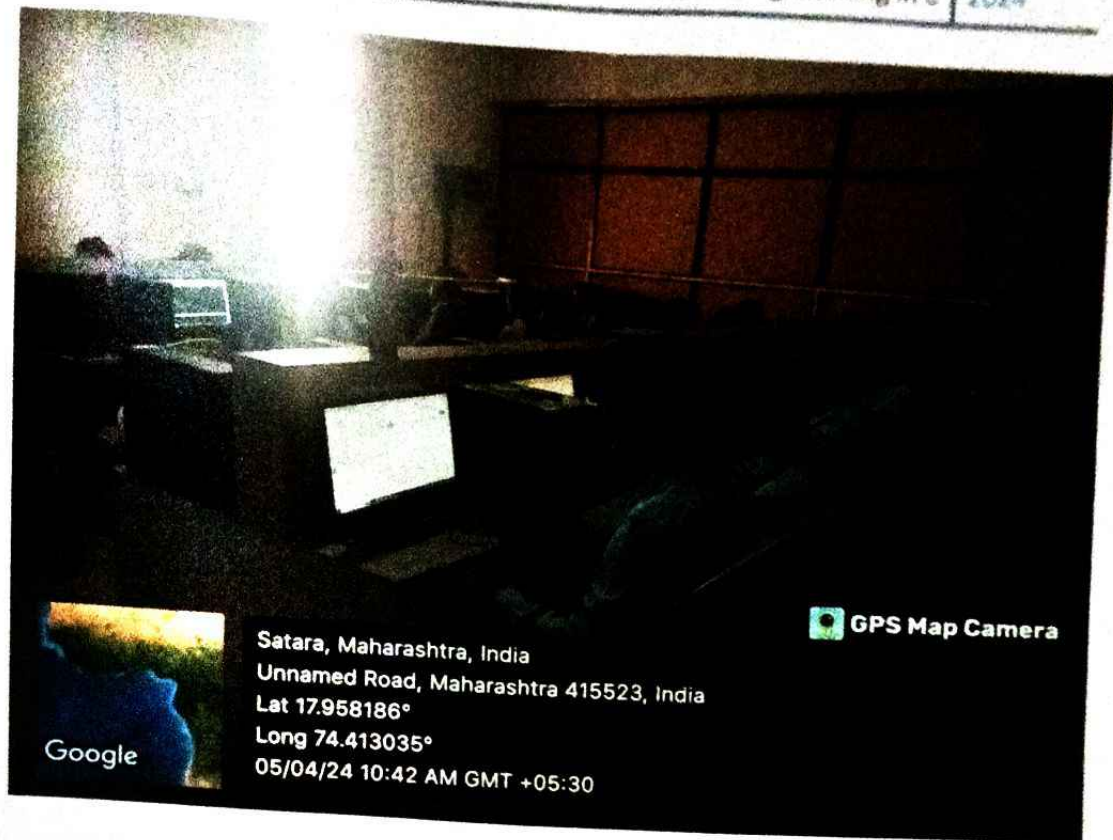
Hello World

There are mainly two types of loops in C Programming:

1. **Entry Controlled loops:** In Entry controlled loops the test condition is checked before entering the main body of the loop. **For Loop and While Loop** is Entry-controlled loops.
2. **Exit Controlled loops:** In Exit controlled loops the test condition is evaluated at the end of the loop body. The loop body will execute at least once, irrespective of whether the condition is true or false. **do-while Loop** is Exit Controlled loop.

Loop Type**Description**

for loop	first Initializes, then condition check, then executes the body and at last, the update is done.
while loop	first Initializes, then condition checks, and then executes the body, and updating can be inside the body.
do-while loop	do-while first executes the body and then the condition check is done.



Trainer taught the concept of Loops in c.

Outcome of Day 3:-

All students are able to understand the concepts of Conditional statements and Loops in C programming.

Thanking You!

Yours faithfully,

Prof. S. S. Alate

Assistant Professor – Computer Dept.

Date: - 06/04/2024

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on Five Day Workshop on Computer Programming in C- Day 4 in association with **Regex Technologies, Phaltan.** organized by Computer Engineering Department of PES COE, Phaltan

Day 4: 06/04/2024

Session 1: Time: 10:00 am to 01:00pm

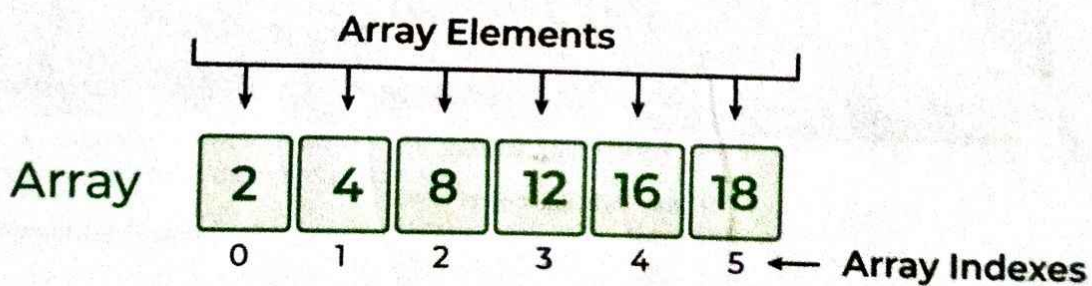
Arrays and Strings in C:

Day 4 of workshop is started at 10.00 am sharp. Session was started with some revision of concepts taught in Day 3. This session started the concept of **Array in C** is one of the most used data structures in C programming. It is a simple and fast way of storing multiple values under a single name. In this article, we will study the different aspects of array in C language such as array declaration, definition, initialization, types of arrays, array syntax, advantages and disadvantages, and many more.

What is Array in C?

An array in C is a fixed-size collection of similar data items stored in contiguous memory locations. It can be used to store the collection of primitive data types such as int, char, float, etc., and also derived and user-defined data types such as pointers, structures, etc.

Array in C



C Array Declaration

In C, we have to declare the array like any other variable before using it. We can declare an array by specifying its name, the type of its elements, and the size of its dimensions. When we declare an array in C, the compiler allocates the memory block of the specified size to the array name.

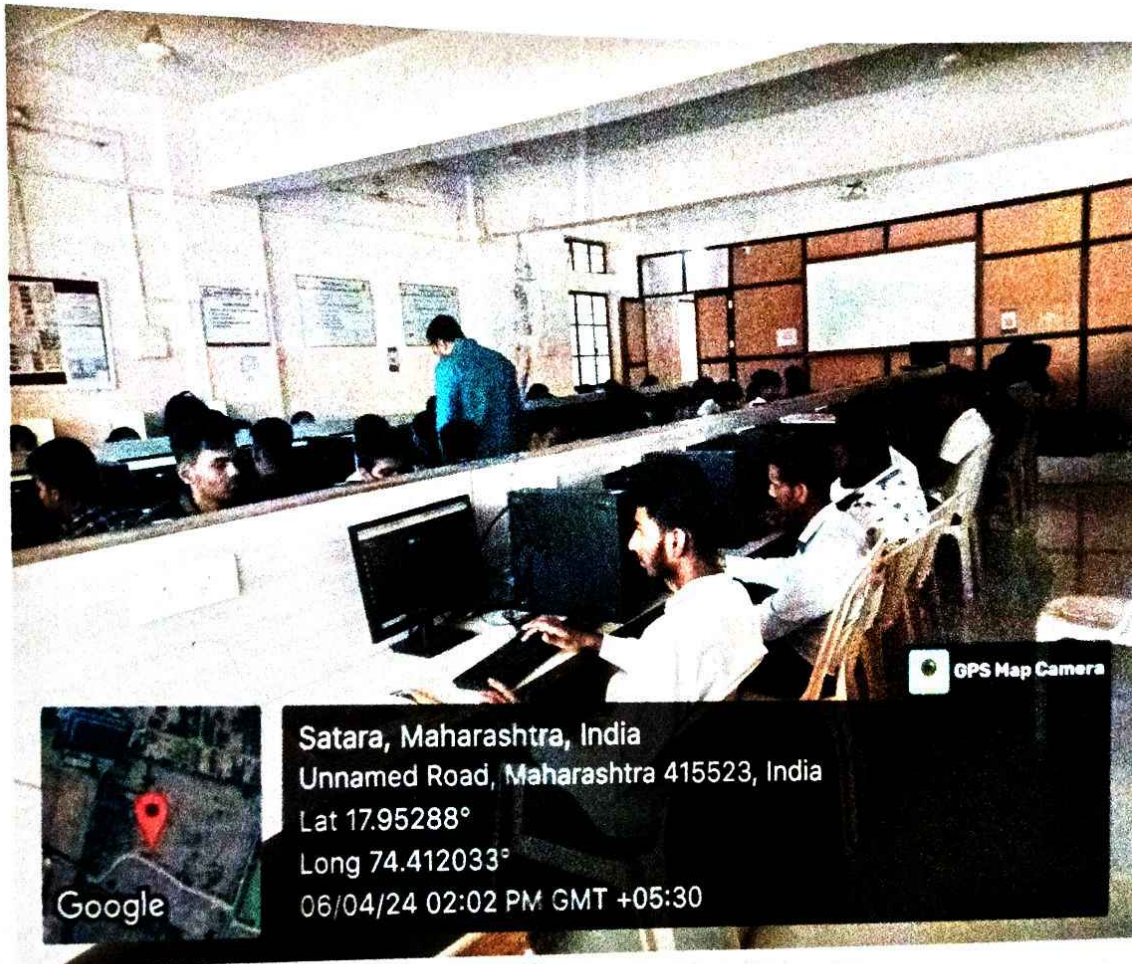
Syntax of Array Declaration

`data_type array_name [size];`

or

`data_type array_name [size1] [size2]...[sizeN];`

where N is the number of dimensions.



Trainer taught the concept of array.

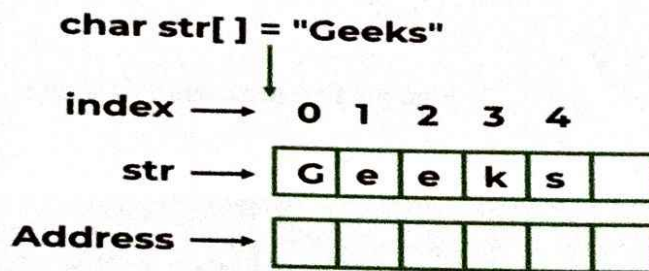
Day 4: 06/04/2024

Session 2: Time: 02:00 am to 05:00pm

Strings in C:

A String in C programming is a sequence of characters terminated with a null character '\0'. The C String is stored as an array of characters. The difference between a character array and a C string is that the string in C is terminated with a unique character '\0'.

String in C



C String Declaration Syntax

Declaring a string in C is as simple as declaring a one-dimensional array. Below is the basic syntax for declaring a string.

```
char string_name[size];
```

In the above syntax **string_name** is any name given to the string variable and size is used to define the length of the string, i.e the number of characters strings will store.

Standard C Library – String. h Functions

The C language comes bundled with <string. h> which contains some useful string-handling functions. Some of them are as follows:

Function Name	Description
<u>strlen(string_name)</u>	Returns the length of string name.

Function Name

Description

strcpy(s1, s2)

Copies the contents of string s2 to string s1.

strcmp(str1, str2)

Compares the first string with the second string. If strings are the same it returns 0.

strcat(s1, s2)

Concat s1 string with s2 string and the result is stored in the first string.

strlwr()

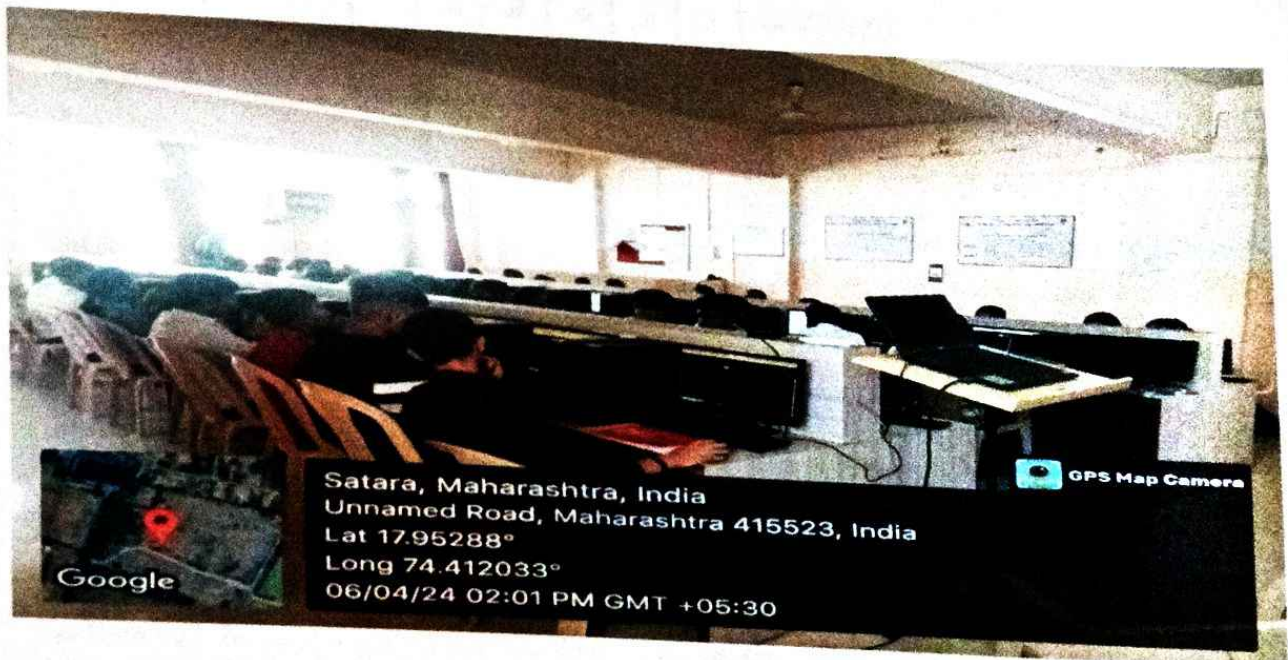
Converts string to lowercase.

strupr()

Converts string to uppercase.

strstr(s1, s2)

Find the first occurrence of s2 in s1.

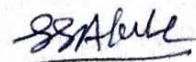


Trainer taught the concept of Strings .

Outcome of Day 4:-

All students are able to understand the concepts of Array and Strings in C programming.
Thanking You!

Yours faithfully,



Prof. S. S. Alate

Ass. Prof.- Computer Dept.



Date: - 08/04/2024

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on Five Day Workshop on Computer Programming in C- Day 5 in association with **Regex Technologies, Phaltan.** organized by Computer Engineering Department of PES COE, Phaltan

Day 5: 07/04/2024**Session 1: Time: 10:00 am to 01:00pm****Pointer and Structure in C:**

Day 5 of workshop is started at 10.00 am sharp. Session was started with some revision of concepts taught in Day 4. In this session started the concept of Pointer and Structures.

Pointers are one of the core components of the C programming language. A pointer can be used to store the **memory address** of other variables, functions, or even other pointers. The use of pointers allows low-level memory access, dynamic memory allocation, and many other functionalities in C.

In this article, we will discuss C pointers in detail, their types, uses, advantages, and disadvantages with examples.

What is a Pointer in C?

A pointer is defined as a derived data type that can store the address of other C variables or a memory location. We can access and manipulate the data stored in that memory location using pointers.

As the pointers in C store the memory addresses, their size is independent of the type of data they are pointing to. This size of pointers in C only depends on the system architecture.

Syntax of C Pointers

The syntax of pointers is similar to the variable declaration in C, but we use the (*) **dereferencing operator** in the pointer declaration.

datatype * ptr;

were

- **ptr** is the name of the pointer.
- **datatype** is the type of data it is pointing to.

The above syntax is used to define a pointer to a variable. We can also define pointers to functions, structures, etc.

How to Use Pointers?

The use of pointers in C can be divided into three steps:

1. Pointer Declaration
2. Pointer Initialization
3. Pointer Dereferencing

1. Pointer Declaration

In pointer declaration, we only declare the pointer but do not initialize it. To declare a pointer, we use the (*) **dereference operator** before its name.

Example

```
int *ptr;
```

The pointer declared here will point to some random memory address as it is not initialized. Such pointers are called wild pointers.

2. Pointer Initialization

Pointer initialization is the process where we assign some initial value to the pointer variable. We generally use the (&) **addressof operator** to get the memory address of a variable and then store it in the pointer variable.

Example

```
int var = 10;
```

```
int * ptr;
```

```
ptr = &var;
```

We can also declare and initialize the pointer in a single step. This method is called **pointer definition** as the pointer is declared and initialized at the same time.

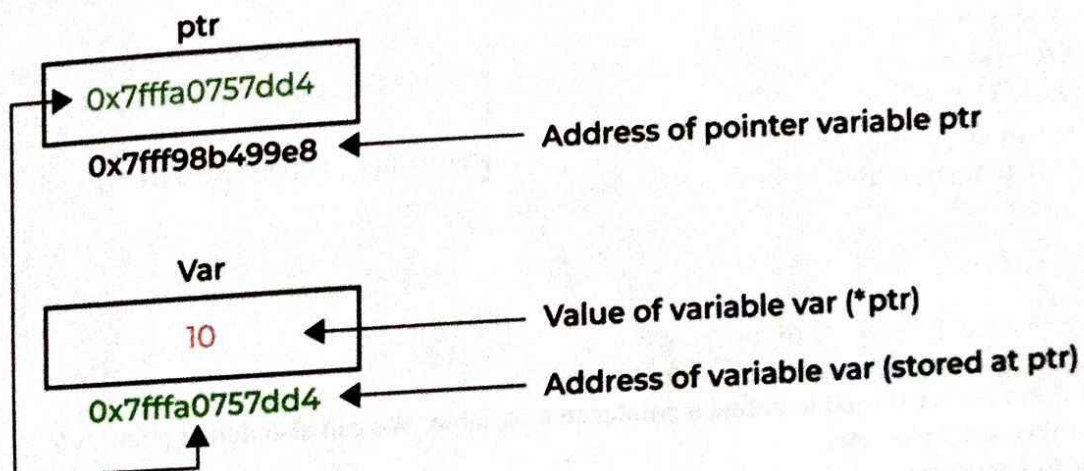
Example

```
int *ptr = &var;
```

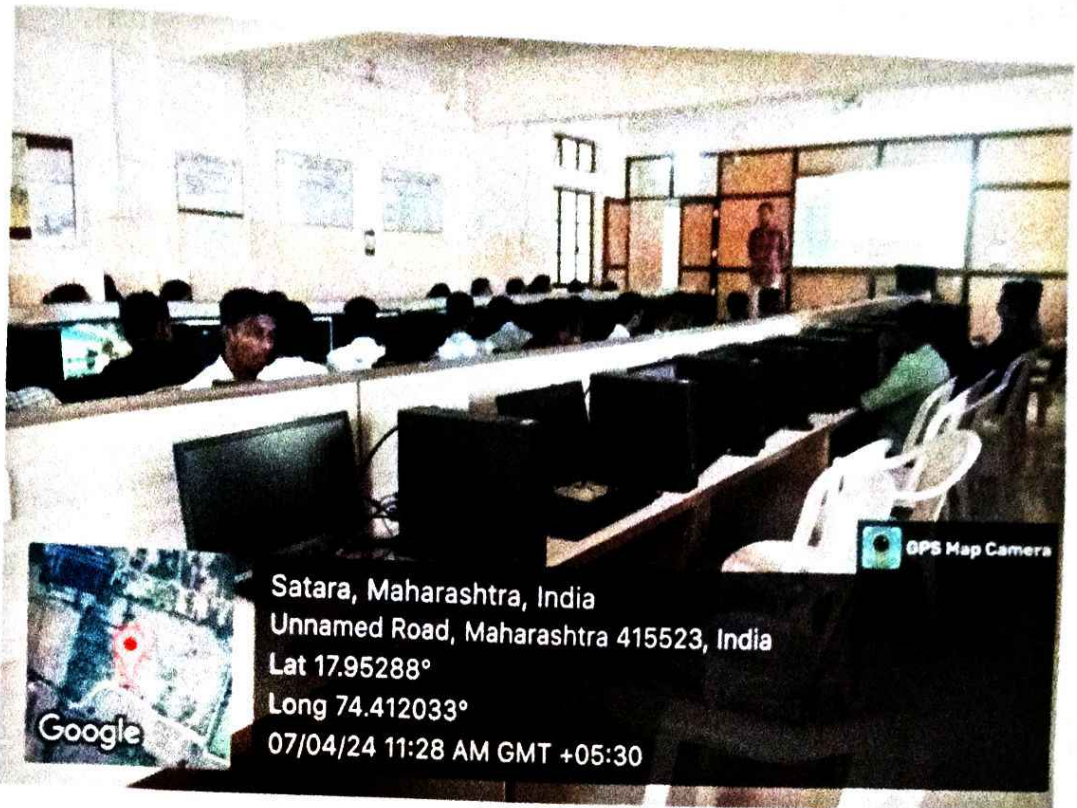
Note: It is recommended that the pointers should always be initialized to some value before starting using it. Otherwise, it may lead to number of errors.

3. Pointer Dereferencing

Dereferencing a pointer is the process of accessing the value stored in the memory address specified in the pointer. We use the same (*) **dereferencing operator** that we used in the pointer declaration.



Dereferencing a Pointer in C



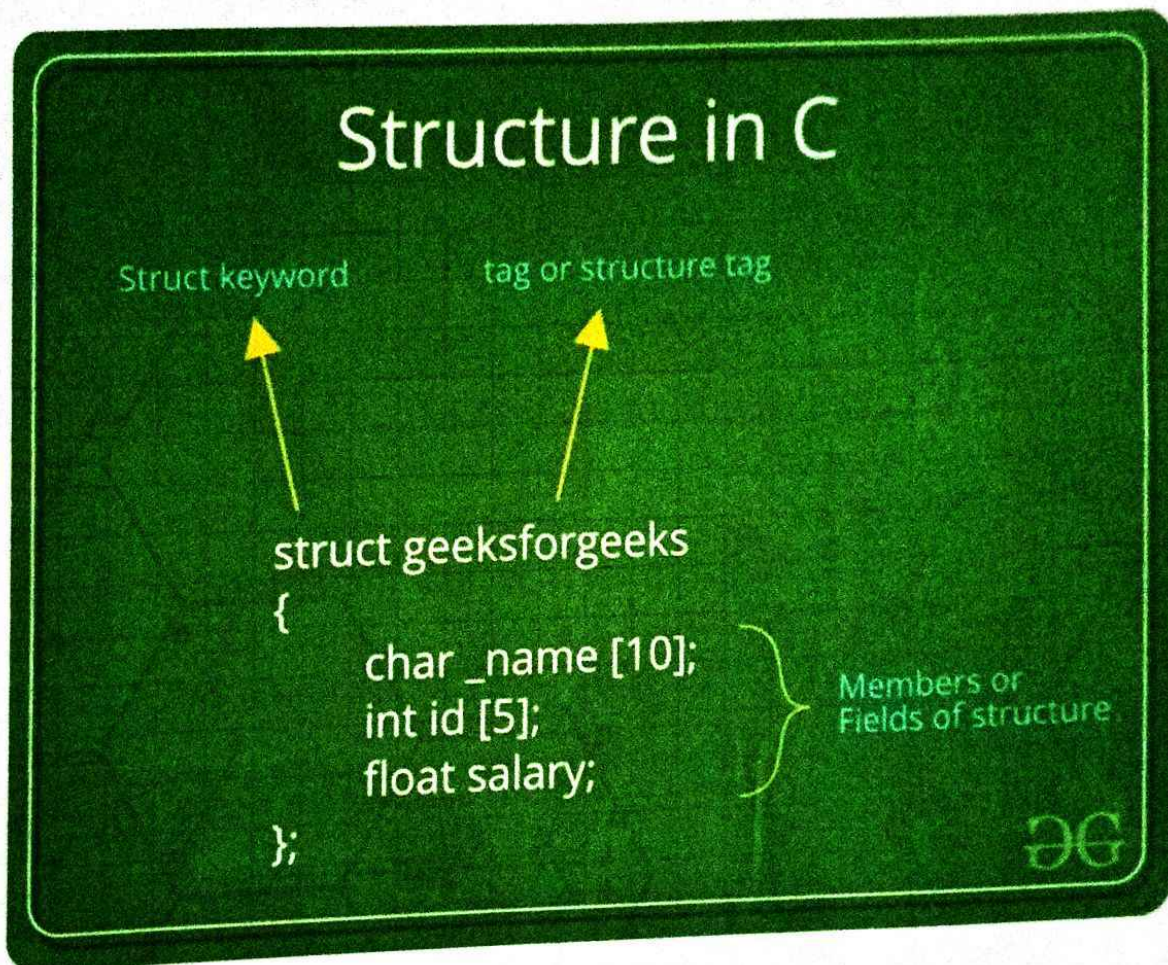
Trainer taught about Pointer in C.

Day 5: 07/04/2024

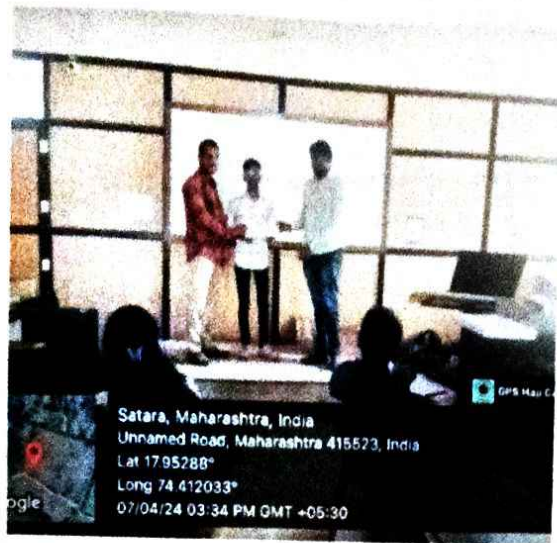
Session 2: Time: 01:30 am to 4:00pm

Structure in C:

The structure in C is a user-defined data type that can be used to group items of possibly different types into a single type. The **struct keyword** is used to define the structure in the C programming language. The items in the structure are called its **member** and they can be of any valid data type.



At the end of workshop Mr. Rupesh Gangatire and Indrajeet Dhalpe gave rewards to outstanding students in Workshop for their motivation.





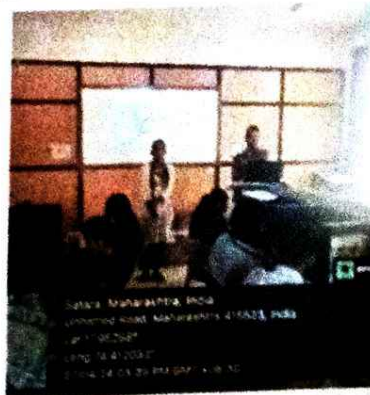
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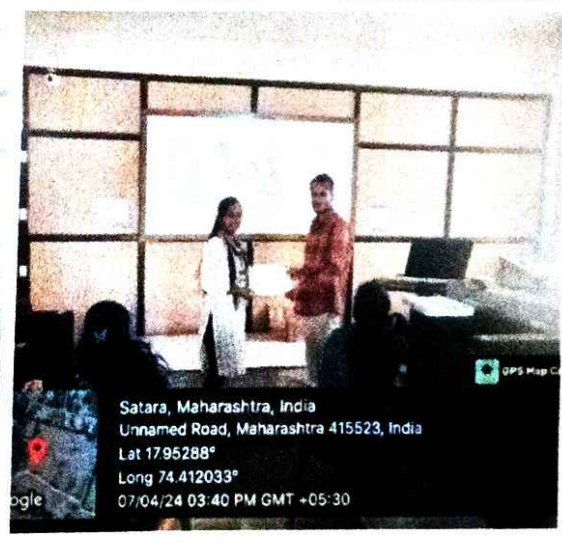
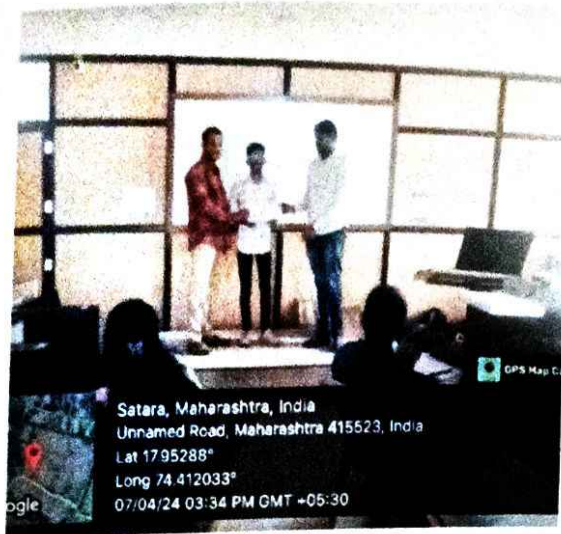


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Satara, Maharashtra, India
Unnamed Road, Maharashtra 415523, India
Lat 17.95288°
Long 74.412033°
07/04/24 03:33 PM GMT +05:30

Vote of Thanks conducted by Students.





Outcome of Day 5:-

All students are able to understand the concepts of Pointer and Structure in C programming.

Thanking You!

Yours faithfully,

Prof. S. S. Alate

Ass. Prof.- Computer Dept.

Date: 02/11/2023

To,
The Principal,
PES's College of Engg, Phaltan.

Sub: - Report on Industrial Visit to "Regex Technologies." Phaltan.

Respected Sir,

I am Prof. S. S. Pawar, working as Asst. Prof. in Computer Engineering Department of our college. We arranged industrial visit to "Regex Technologies" Phaltan, as a part of their curriculum & also to see, know & understand practically in right perspective various aspect of industries as a whole. This visit helped students to enhance practical knowledge about OOP's concept and Software development.

On receiving permission from "Regex Technologies", Prof. A.A.Hipparkar, HOD CSE, Dr. N. G. Narve Principal of PES's College of Engineering Phaltan. Our 30 Students from S.Y.Btech with two faculty members (Prof. Ms. Mohite N.S., Prof. Mr. Pawar S. S.) went for industrial visit to the "Regex Technologies", on 30/10/2023. We reached the Regex Technologies at 01.05 PM. and Mr. Rupsh Gangtore gave a brief introduction about their company.

Regex Technologies gained immense expertise in offering ERP software for jewellery business, customized software designing and development services to clients. In that company we saw the different phases of product development and how the queries regarding the product are solved.

Enterprise Resource Planning (ERP)

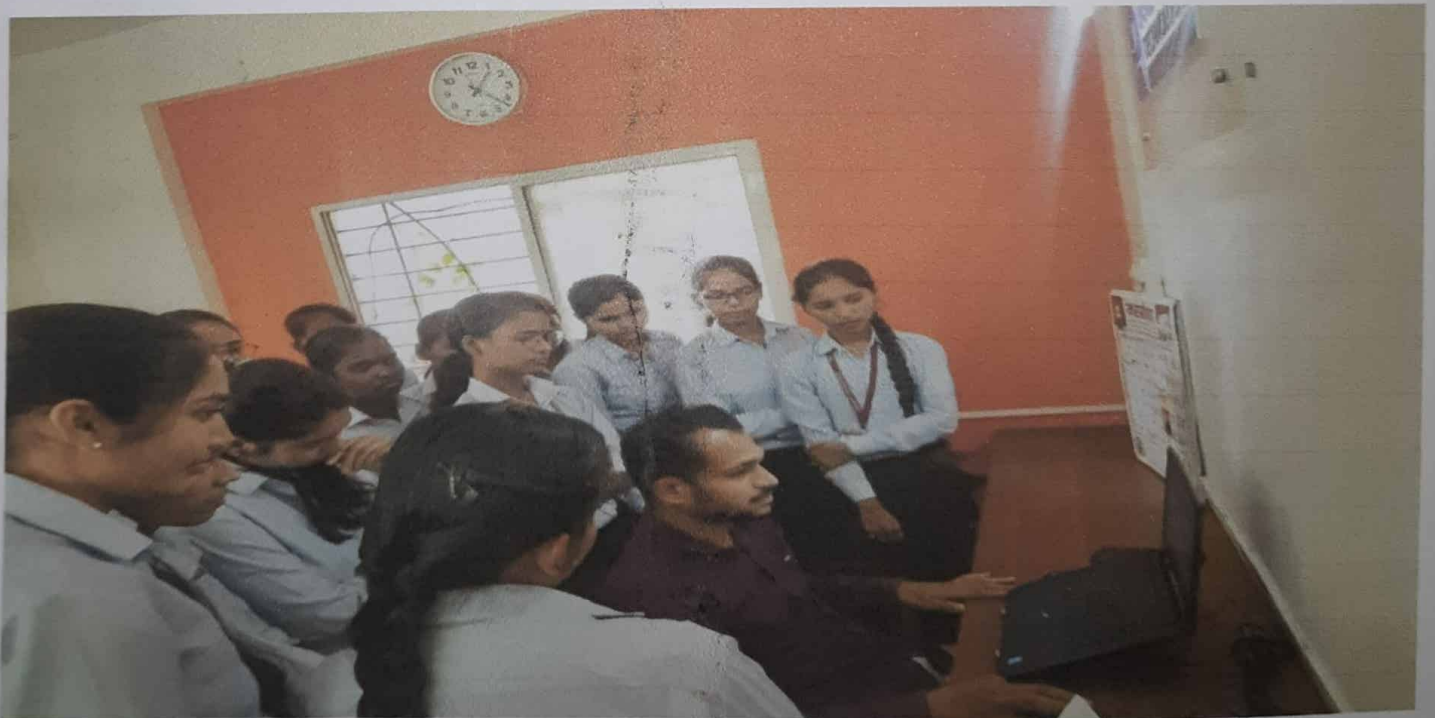
It is business process management software that allows an organization to use a system to use a system of integrated applications to manage the business and automate many back office functions related to technology, services and human resources. ERP software typically integrates all facets of an operation including product planning, development, manufacturing, sales and marketing in single database application and user.

We left the premises at 04.30 p.m. It was an informative, interesting and a successful visit. As students of Computer Engineering, We learned Software applications.

Snaps taken at Regex Technologies.



Mr. Rupesh Gangtore and company personal with our Students



Mr. Rupesh Gangtore Explaining ERP Model to students



Mr. Rupesh Gangtore Solve the queries of Students

We reached at Phaltan by 4:50 PM.
Thanking You!

Yours Faithfully,

Prof. S. S. Pawar.,
Visit Coordinator,
Computer Engg. Dept.



COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE- 49/ 2023-24

Date : 05 / 10 / 2023

WORK ORDER

To,
Mr. Amit Sonwalkar
Director
DA Software System Pvt. Ltd.
Pune.

Dear Sir,

As per your proposal on dated 23/09/2023 and telephonic discussion with us we have finalised your proposal of value-added course for SE, TE and BE Computer students on "A Project Development Tools". Details of same as mentioned below:

Sr. No.	Course Duration	No of Students	Cost Per Students (Rs.)	Total Cost (Rs.)
1	40hrs (5 Days X 8 hrs.)	50	1500	75,000/-

Kindly request you to start above value added program "A Project Development Tools" from 9th to 13th October 2023.

Thanking you,




Prof. Dr. N. G. Narve
Principal
P.E.S.'s
College of Engineering
Phaltan, Dist. Satara (M.S.)
05/10/23

**Phaltan Education Society's
College of Engineering Phaltan**


Date: - 05/10/2023

Notice

All The student Third Yead of Computer Engineering Department are here by informed that we are going to start Workshop on " A Project Development Tools" form Monday 09 October 2023. It is mandatory for all students to attend college.


HOD

Prof.A.A.Hipparkar


Principal
Prof. Dr. N.G.Narve

Date: - 16/10/2023

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on Five Day Workshop on Project Development Tools - Day1 in association with DA Software System, Pune organized by Computer Engineering Department of PES COE, Phaltan

Program Details:

Venue: Department of Computer Engineering, PES's College of Engineering, Phaltan.

Date: 9th Oct to 13th Oct 2023.

Time: 10:00 am to 5:00pm

Resource Person: Mr.Amit Sonawane and Tushar Raval. Corporate Trainer at DA Software System, Pune

No. of Students: 56

No. of Faculty: 1

Objectives:

- Provide introduction to Project.
- Provide deep knowledge about Different Tools Available For Project Development

Introduction

A project management tool is software that helps project managers and teams centralize planning, organize, and manage their projects. It provides project managers and their teams with a centralized platform to collaborate, track progress, and manage tasks

Project management tools are specially designed to assist an individual or team in managing their projects and tasks effectively. The term "PM tools" usually refers to project management software you can either purchase or use for free online. Project development is a higher-order process than project management. It's about ensuring that a project team has all the resources it needs to accomplish the project goals.

About Trainer: -

❖ **Mr. Amit Sonwalkar**

Founder and Managing Director, DA Software Systems

❖ **Mr. Tushar Raval**

Tech lead Fisegu India LTD

Day 1: Date: 09/10/2023

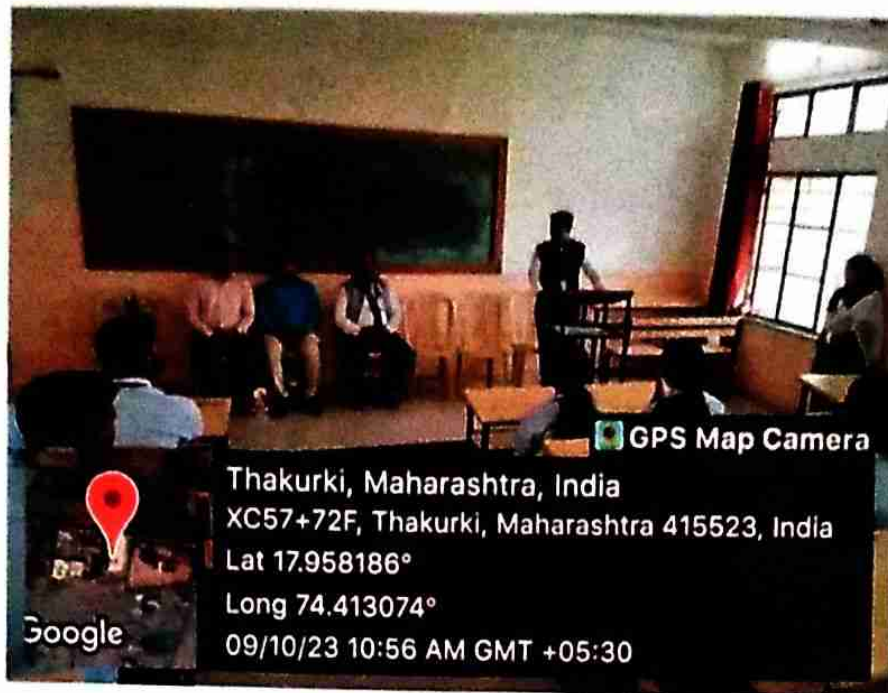
Session 1: Time: 10:30am to 11:30am

Program Inauguration:-

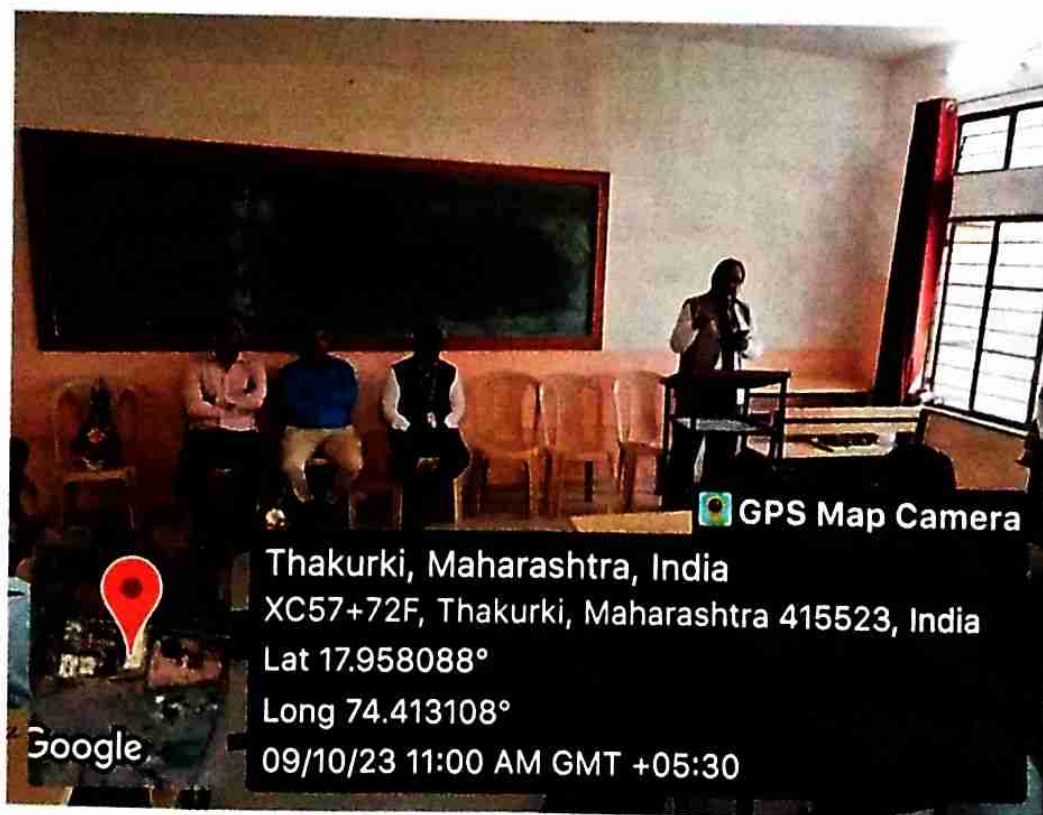
Program started with Inauguration and felicitation of the guests. **Prof. A. A. Hipparkar**, HOD, Computer Engineering Department gave overview of the workshop and **Prof. Ms. R V Doshi** gave introduction about respected guest **Mr. Amit Sonwalkar** and **Mr. Tushar Raval**. After that **Prof. Dr. N. G. Narve** Principal PES's COE, Phaltan. shared their thoughts about this workshop.



Felicitation of guest Mr. Amit Sonwalkar and Tushar Raval by Prof. Dr. N. G. Narve sir, Principal PES's COE, Phaltan.



Prof. A.A. Hipparkar sir, HOD of Computer Department gave information about workshop.



Prof.Dr. N. G. Narve sir, Principal PES's COE, Phaltan share their thoughts about workshop.

Session 2: Time: 11:35 am to 01:30pm

Introduction of Project Development Tools:

In this session Trainer gave information about general introduction of Project Development tools give instruction of installation about installation of required software .He told the basic history of JDK, Eclipse, GitHub .

Development of the GitHub platform began on October 19, 2007. GitHub is an immense platform for code hosting. It supports version controlling and collaboration.

It is an American company. It hosts the source code of your project in the form of different programming languages and keeps track of the various changes made by programmers.

In this tutorial, we will learn GitHub essentials like a repository, branches, commits, pull requests, and more. Further, we will learn how to use GitHub and will create our first project on it.



Trainer giving introduction about Project Development.

Session 3:**Time: 02:00pm to 05:00pm**

In this session trainer covered the following points,

- **Eclipse:**

Trainer taught the following

Eclipse is a free, Java-based development platform known for its plugins that allow developers to develop and test code written in other programming languages. Eclipse is released under the terms of the Eclipse Public License



Trainer teaching the concepts of Eclipse

Outcome of Day 1:-

All the students of Computer department are very aware about basic concepts of GitHub and Eclipse.

Thanking You!

*Forwarded
Mhi
10/10/2023*

[Signature]
Prof. Dr. N. G. Narve
Principal
P.E.S's 5
College of Engineering
Phaltan, Dist. Satara (M.S.)

Yours faithfully,

[Signature]

Prof. Ms. R. A. Lad

Ass Prof – Computer Dept.

Date: - 10/10/2023

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on **Five Day Workshop on Project Development Tools – Day2** in association with **DA Software System, Pune** organized by Computer Engineering Department of PES COE, Phaltan

Day 2: 10/10/2023

Session 1: Time: 10:00 am to 01:00pm

Introduction Of GitBash:

Day 2 of workshop is started at 10.00 am sharp. Session was started with some revision of concepts taught in Day 1. In this session started the introduction of Git Bash. Git Bash is an application for Microsoft Windows environments which provides an emulation layer for a Git command line experience. Bash is an acronym for Bourne Again Shell. A shell is a terminal application used to interface with an operating system through written commands.

Bash is a popular default shell on Linux and macOS. Git Bash is a package that installs Bash, some common bash utilities, and Git on a Windows operating system.

Git Bash includes the full set of Git core commands discussed throughout this site. Learn more at the corresponding documentation pages for git clone, git commit, git checkout, git push, and more.

1. **git clone:** "[git clone](#)" command is used to clone the repositories which are already available in the remote repository.
2. **git commit:** Files that are available in the staging area will be committed to the local repository.



Trainer taught the concept of GitBash.

Day 2: 18/03/2023

Session 1: Time: 01:30 am to 05:00pm

Introduction of JIRA:

In this session trainer started the introduction of JIRA and Confluence. Jira is a suite of agile work management solutions that powers collaboration across all teams from concept to customer, empowering you to do the best work of your life, together. Jira offers several products and deployment options that are purpose-built for Software, IT, Business, Ops teams, and more.

Atlassian started as a tech support service. Since the founders were having difficulty generating revenue initially, they sold the software they had developed to support their business (the Atlassian Support System) as Jira in 2002.

Jira Service Desk is now part of Jira Service Management. How did we get here? We created Jira Service Desk in 2013, after we noticed that nearly 40% of our customers had adapted

Jira to handle service requests. Thousands of teams managed requests through service desks, reduced manual effort, and set up workflows across their organizations in departments like HR and legal.



Trainer taught the concept of JIRA.

Outcome of Day 2:-

All the students of Computer department are very aware about use of Git Bash And JIRA.

Thanking You!

*Approved
Rishi
10/10/2023*



Yours faithfully,

Rubja

Prof. R. A. Lad

Assistant Professor – Computer Dept.

[Signature]
Prof. Dr. N. G. Narve
Principal
P.E.S's
College of Engineering
Phaltan, Dist. Satara (M.S.)

Date: - 11/10/2023

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on Five Day Workshop on Project Development Tools – Day 3 in association with DA Software System, Pune organized by Computer Engineering Department of PES COE, Phaltan

Day 3: 11/10/2023

Session 1: Time: 10:00 am to 01:00pm

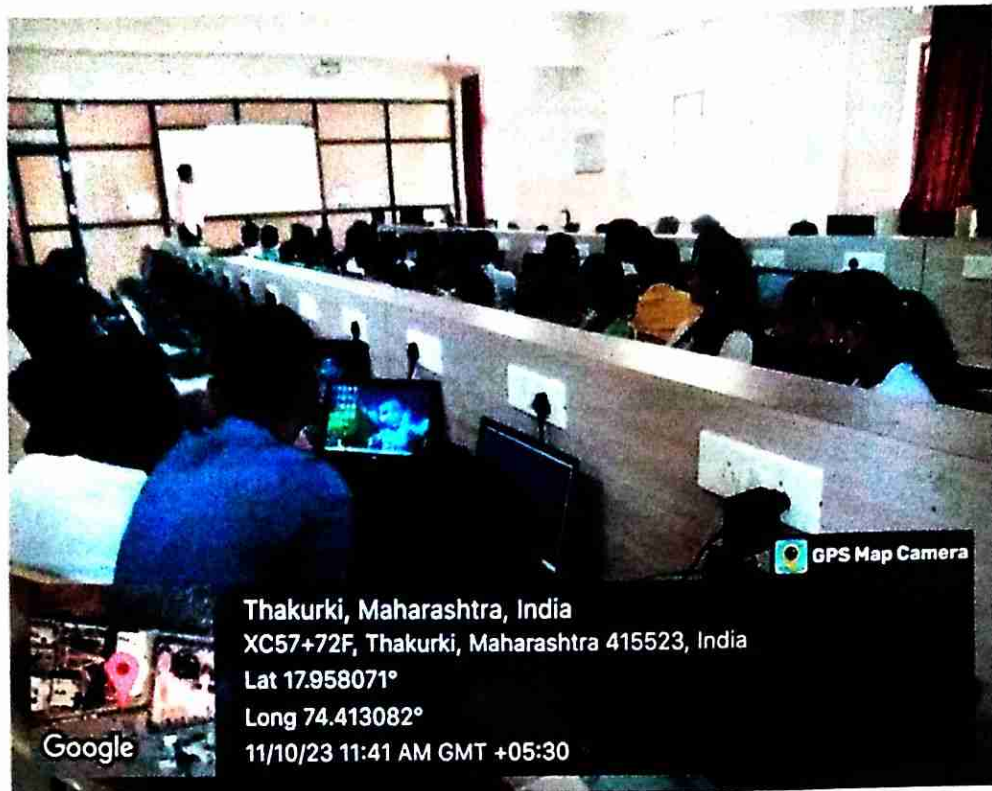
Introduction to Spring:

Day 3 of workshop is started at 10.00 am sharp. Session was started with some revision of concepts taught in Day 2. In this session started the concept of Spring. This spring tutorial provides in-depth concepts of Spring Framework with simplified examples. It was developed by Rod Johnson in 2003. Spring framework makes the easy development of JavaEE application.

It is helpful for beginners and experienced persons.

After this trainer taught the concept of connection of spring. Spring is a lightweight framework. It can be thought of as a framework of frameworks because it provides support to various frameworks such as Struts, Hibernate, Tapestry, EJB, JSF, etc. The framework, in broader sense, can be defined as a structure where we find solution of the various technical problems.

The Spring framework comprises several modules such as IOC, AOP, DAO, Context, ORM, WEB MVC etc. We will learn these modules in next page. Let's understand the IOC and Dependency Injection first.



Trainer taught the concept of Spring.

Day 3: 19/03/2023

Session 2: Time: 01:30 am to 05:00pm

Group forming for project development:

In this session trainer started the most useful topic project development through eclipse. They formed groups of students for project purpose.

Eclipse, the IDE, has a speedier start-up time. It mostly supports Java, but it can also work with other languages such as C, C++, C#, PHP, Perl, and Ruby.

Now students get interest while doing this, he choose Project Manager and Project Manager have responsibility to choose two scrum masters and QA and developers.

Then Scrum masters and Project Manager assigned task to group members.



Trainer formed groups for project development

Outcome of Day 3:-

All students are able to understand the concepts of Project development practically.

Thanking You!

*Answered
Hfki
11/10/2023*

[Signature]
Prof. Dr. N. G. Narve
Principal
P.E.S's
College of Engineering
Phaltan, Dist. Satara (M.S.)



Yours faithfully,

[Signature]

Prof. R. A. Lad

Assistant Professor – Computer Dept.

Date: - 12/10/2023

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on Five Day Workshop on Project Development Tools – Day 4 in association with DA Software System, Pune organized by Computer Engineering Department of PES COE, Phaltan

Day 4: 12/10/2023

Session 1: Time: 10:00 am to 01:00pm

Demonstration of Spring:

Day 4 of workshop is started at 10.00 am sharp. Session was started with some revision of concepts taught in Day 3. This session started the concept of JVM. A key element of Spring is infrastructural support at the application level: Spring focuses on the "plumbing" of enterprise applications so that teams can focus on application-level business logic, without unnecessary ties to specific deployment environments.

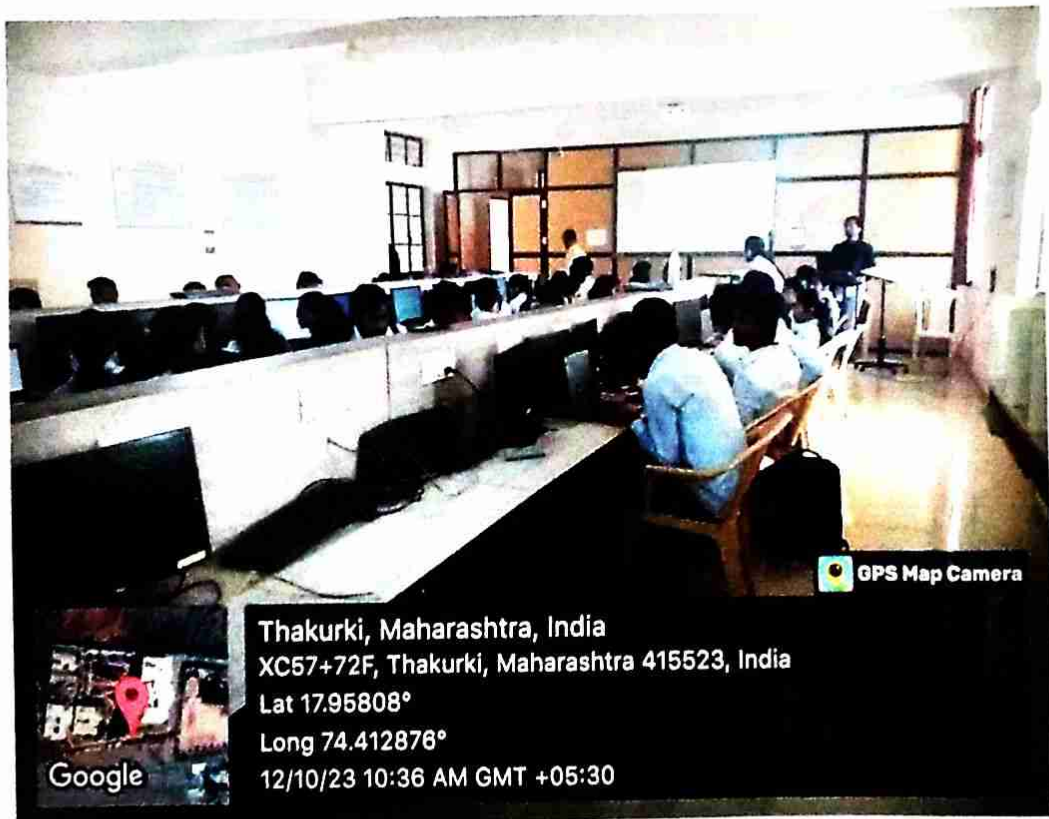
After this trainer taught the features of spring.

Features

- Core technologies: dependency injection, events, resources, i18n, validation, data binding, type conversion, SpEL, AOP.
- Testing: mock objects, TestContext framework, Spring MVC Test, WebTestClient.
- Data Access: transactions, DAO support, JDBC, ORM, Marshalling XML.
- Spring MVC and Spring WebFlux web frameworks.
- Integration: remoting, JMS, JCA, JMX, email, tasks, scheduling, cache and observability.



Trainer taught the concept of Project Development



Day 4: 12/10/2023

Session 2: Time: 01:30 am to 05:00pm

Introduction to Spring Framework:

Spring is a lightweight and popular open-source Java-based framework developed by Rod Johnson in 2003. It is used to develop enterprise-level applications. It provides support to many other frameworks such as Hibernate, Tapestry, EJB, JSF, Struts, etc, so it is also called a framework of frameworks. It's an application framework and IOC (Inversion of Control) container for the Java platform. The spring contains several modules like IOC, AOP, DAO, Context, WEB MVC, etc.

Spring framework is a Java platform that is open source. Rod Johnson created it, and it was first released under the Apache 2.0 license in June 2003. When it comes to size and transparency, Spring is a featherweight. Spring framework's basic version is about 2MB in size.

The Spring Framework's core capabilities can be used to create any Java program, however there are modifications for constructing web applications on top of the Java EE platform. By offering a POJO-based programming model, the Spring framework aims to make J2EE development easier to use and to promote good programming habits.

The core features of the Spring Framework can be used in developing any Java application, but there are extensions for building web applications on top of the Java EE platform. Spring framework targets to make J2EE development easier to use and promotes good programming practices by enabling a POJO-based programming model.



Trainer taught the concept of Framework.

Outcome of Day 4:-

All students are able to understand the concepts of Project development and Role of Spring Framework in project development.

Thanking You!

Yours faithfully,

Rajia
Prof. R. A. Lad

Ass. Prof.- Computer Dept.



Amrutesh
Mur

18/10
Prof. Dr. N. G. Narva
Principal
P.E.S.'s
College of Engineering
Phatnagar, Dist. Satara (M.S.)

Date: - 13/10/2023

To,

The Principal,

PES's College of Engineering, Phaltan

Subject: -Report on Five Day Workshop on Project Development Tools – Day 5 in association with **DA Software System, Pune** organized by Computer Engineering Department of PES COE, Phaltan

Day 5: 13/10/2023**Session 1: Time: 10:00 am to 01:00pm****Annotations in spring:**

Day 5 of workshop is started at 10.00 am sharp. Session was started with some revision of concepts taught in Day 4. In this session started the concept of Annotations.
`@EnableAutoConfiguration`

This annotation is usually placed on the main application class. The `@EnableAutoConfiguration` annotation implicitly defines a base “search package”. This annotation tells Spring Boot to start adding beans based on classpath settings, other beans, and various property settings..

This annotation is used on the application class while setting up a Spring Boot project. The class that is annotated with the `@SpringBootApplication` must be kept in the base package. The one thing that the `@SpringBootApplication` does is a component scan. But it will scan only its sub-packages. As an example, if you put the class annotated with `@SpringBootApplication` in `com.example` then `@SpringBootApplication` will scan all its sub-packages, such as `com.example.a`, `com.example.b`, and `com.example.a.x`.

The `@SpringBootApplication` is a convenient annotation that adds all the following:

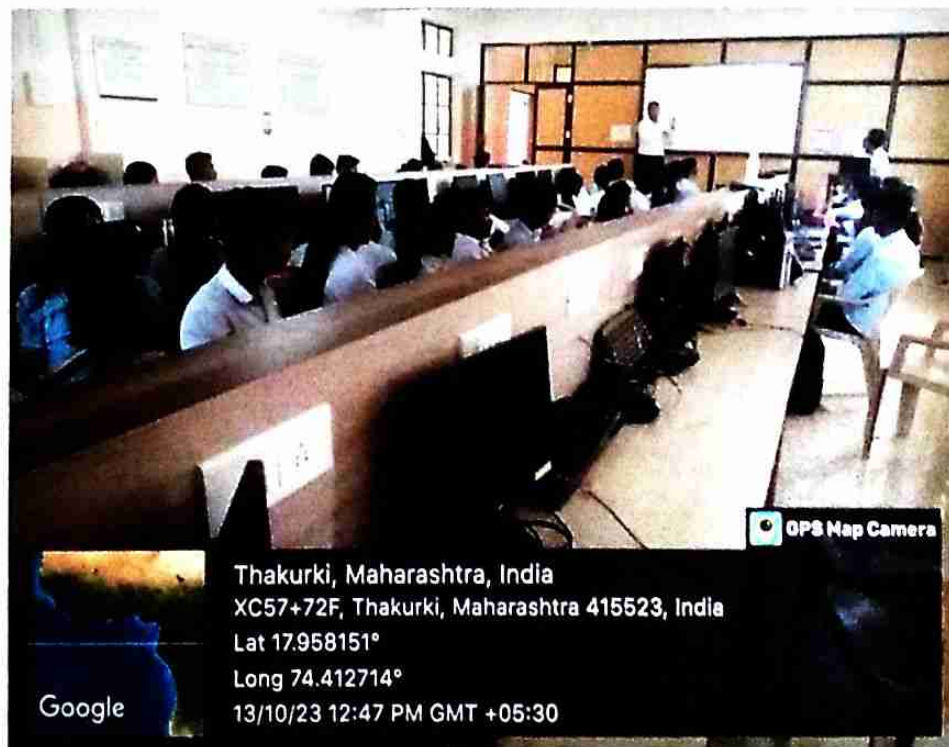
`@Configuration` `@EnableAutoConfiguration` `@ComponentScan`

In classification algorithm, a discrete output function(y) is mapped to input variable(x).

$y=f(x)$, where y = categorical output



Trainer taught the Introduction of Spring Boot Annotations



Day 5: 13/10/2023

Session 2: Time: 01:30 am to 4:00pm

Spring Boot:

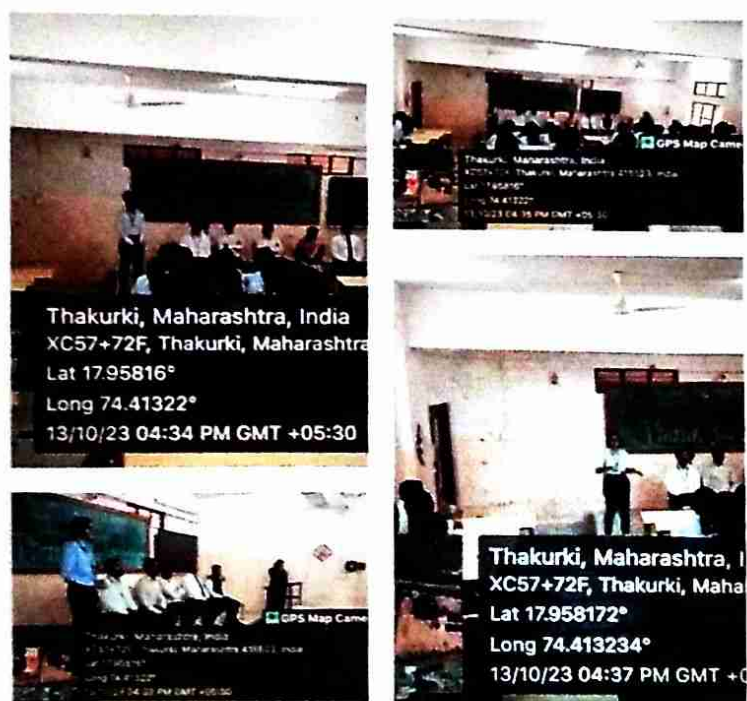
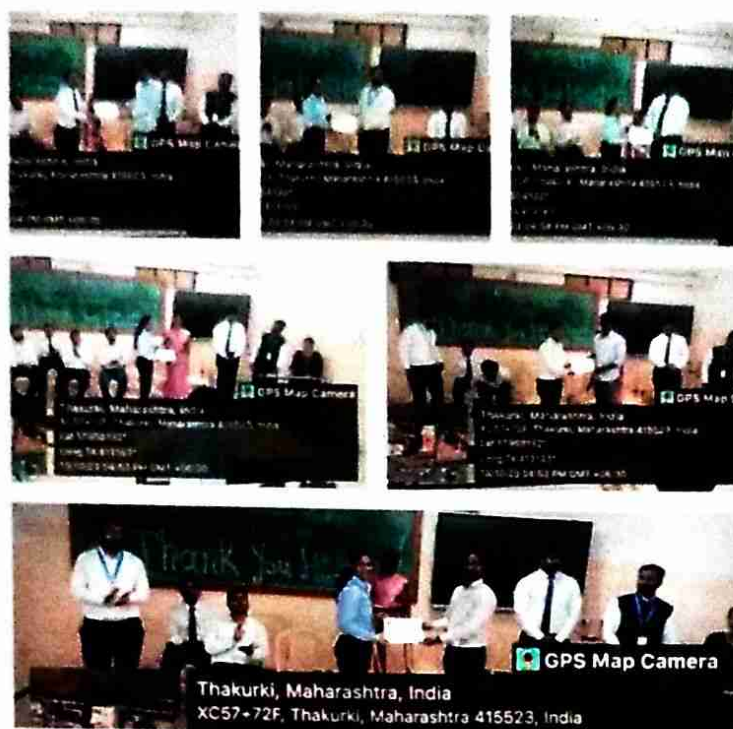
In this session trainer started the concept of Sprint Boot . Java Spring Boot (Spring Boot) is a tool that makes developing web application and microservices with Spring Framework faster and easier through three core capabilities: Autoconfiguration. An opinionated approach to configuration. The ability to create standalone applications.

Spring Boot is an open-source, microservice-based Java web framework offered by Spring, particularly useful for software engineers developing web apps and microservices. Its active community offers a well-supported backend for different types of application needs. The highlights of the framework are that it fits every Java application very well and a wide range of extensions is available for designing the ultimate web applications at the top of the Java EE platform



Students Performing Practical.

At the end of workshop Mr. Amit Sonwalkar gave rewards to outstanding students in Workshop for their motivation.



Students feedback for overall sassion



Vote of Thanks conducted by faculty



Mr. Amit Sonwalkar sir with all HOD and Student of Computer Department.

Outcome of Day 5:-

All students are able to understand the concepts of Annotations in java and Spring Boot Annotations etc.

Thanking You!



Yours faithfully,

Prof. R. A. Lad

Ass. Prof.- Computer Dept.

*Forwarded to
JSSM*

Prof. Dr. N. G. Narve
Principal
P.E.S.'s
College of Engineering
Phaltan, Dist. Satara (M.S.)

Report on a "Use of Smart Board in Teaching Learning Process"

Program Details: Use of Smart Board in Teaching Learning Process

Name of Company: SPN3 Digital System (I) Pvt. Ltd.

Date: 14 Aug 2023

Number of Attendant: 40

Summary:

PES's College of Engineering, Phaltan organized Session on Use of Smart Board in Teaching Learning Process which is conducted by Mr. Satish Londhe of SPN3 Digital System (I) Pvt. Ltd, Pune. All faculties of college were present for this session. Mr. Satish Londhe explained, how Smart Board is necessary in Teaching Learning Process and also they explained the how to use the Smart Board and its different applications.

SPN3 Digital Systems (I) Private Limited is an unlisted private company incorporated on 24 April, 2023. It is classified as a private limited company and is located in, Maharashtra. Following are the advantages of Smart Board.

1. It is simple, easy, and inexpensive:

Anyone, regardless of the size of their school, institution, training centre, or coaching centre, can set up and deliver interactive, collaborative, and online education with an interactive smart board for a classroom. Furthermore, smart boards are simple to use and require little to very less maintenance.

2. A solution to the teacher's problems:

In schools, smart classrooms with smart boards help teachers deliver the best quality education to their students.

3. Interactive teaching tools:

With the help of a digital board for classrooms, audio, video, graphics, charts, and graphs are all intelligently integrated on a single platform.

4. Smooth controls:

The smart board operates smoothly thanks to multiple controls. An interactive smart board is a simple and easy-to-use tool for teaching a variety of subjects such as math, science, and English.

Photos:

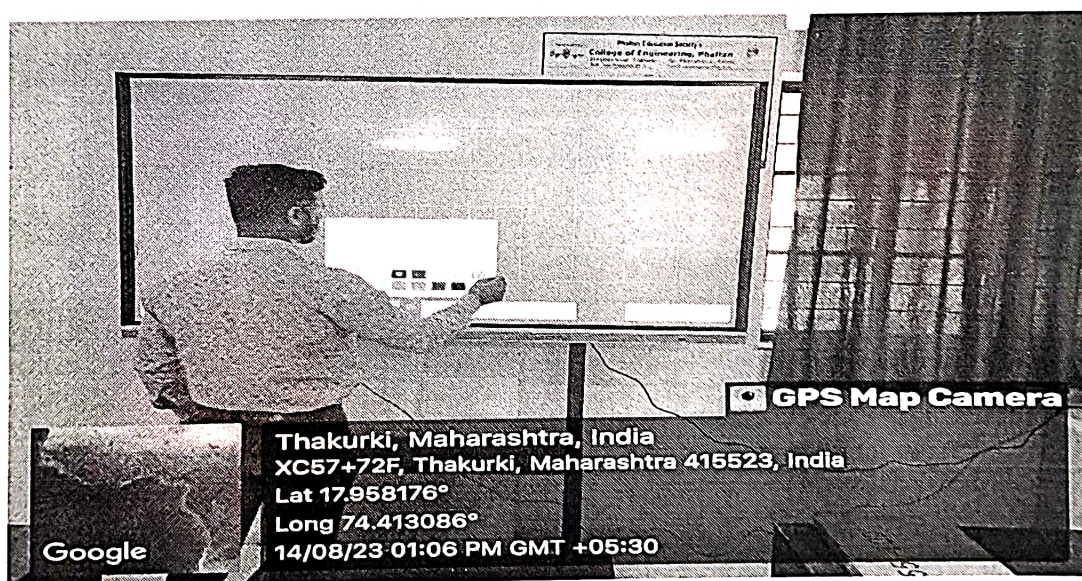
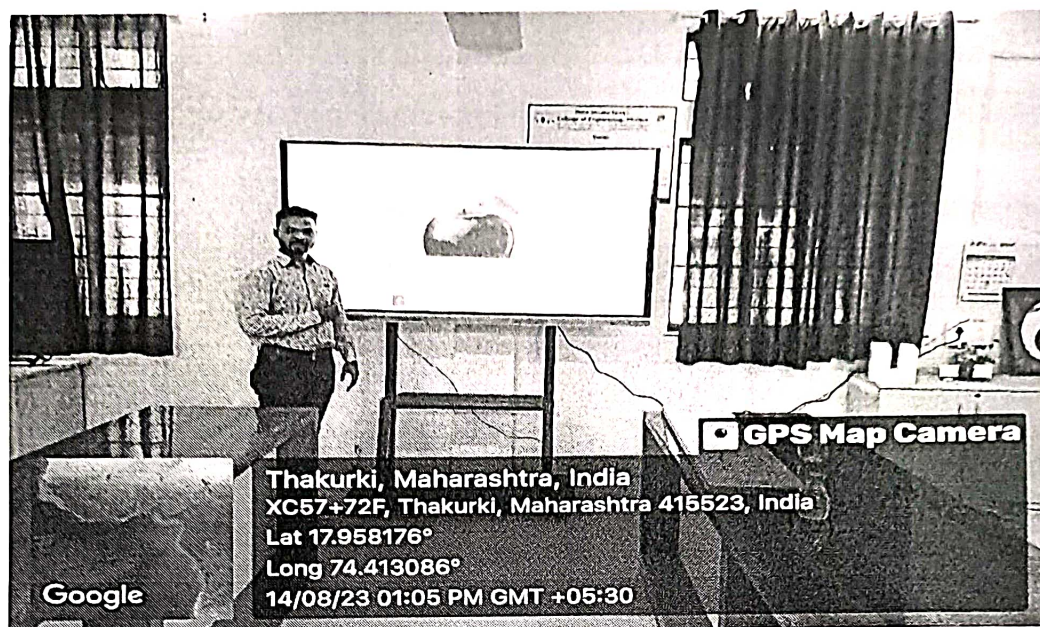
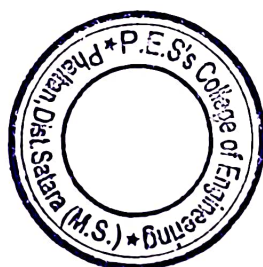


Photo: Screenshots of Training

Prof. Amit T. Bhosale
Program Coordinator



Prof. Dr. N. G. Narve
Principal, COE, Phaltan

Phaltan Education Society's
College of Engineering, Phaltan
Academic Year: 2023-2024
Department of Electronics & Telecommunication Engineering

Date: 29-11-2023

NOTICE

All Students of TY & B.Tech E&TC Engineering are hereby informed that
we are going to organized *Expert Lecture* on,

“Machine Learning”

Day and Date: *Friday, 1st December 2023*

Venue: *Class Room No. 09, 3rd Floor, E&TC Department.*

Time: *11 am onwards*

Note: 1. Attendance is mandatory for all the students.



Activity Coordinator
Prof. M.G.Khandalkar



HOD
Prof. A. A.Ranaware



PHALTAN EDUCATION SOCIETY

COLLEGE OF ENGINEERING, PHALTAN

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara

Tel. No. : 9421416909, 7972037099

E-mail : coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Approved by AICTE New Delhi, D.T.E. Mumbai and Affiliated to Shivaji University, Kolhapur D-BATU Lonere/MSBTE Mumbai

Ref. No. : COE-695/2023-24

Date : 01/12/2023

To,

Mrs. Kajal Khalate
Data Scientist-Analytics Services
Pune

Subject: - Invitation Letter.

Dear Madam,

Phaltan Education Society's College of Engineering, Phaltan (Degree) is a well-known Engineering Institute in the Satara region affiliated to DBATU Lonere, running various Degree courses in our esteemed institute.

It is our immense pleasure to invite you to conduct an Expert Lecture for Degree (TY & B. Tech) E&TC students on **"Machine Learning at 1st Dec.2023"** Onwards kindly communicate your acceptance and the required facilities for conducting the lecture at the earliest. This will enable us to prepare for a successful session. Please consider our request favorably.

Thanking you.



Prof. Dr. N. G. Narve
Principal

PES's College of Engineering, Phaltan

Received
Pawani
9767890560



PHALTAN EDUCATION SOCIETY COLLEGE OF ENGINEERING, PHALTAN

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara
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Approved by AICTE New Delhi, D.T.E. Mumbai and Affiliated to Shivaji University, Kolhapur D-BATU Lonere/MSBTE Mumbai

Ref. No. : COE-697/2023-24

Date : 01/12/2023

To,
Mrs. Kajal Khalate,
Data Scientist-Analytics Services,
Pune

Sub: Letter of Appreciation.

Dear Madam,

I would like to acknowledge and extend my heartily gratitude for conducting Expert lecture on "Machine Learning" on 1st December 2023 at 10.30am onwards. It was wonderful session we had and our students are delighted with your Lecture.

I look forward to a continuing collaboration with you. It has been an excellent experience with you and also, I appreciate your dedication.

Received
Dawani
9767890560



Yours Faithfully,
01/12/23

Prof. Dr. N.G. Narve
Principal

College of Engineering, Phaltan

Phaltan Education Society's
College of Engineering, Phaltan
 Department of Electronics & Telecommunication Engineering
 Academic Year 2023-2024 (Sem I)

TY Attendance (Machine Learning)

2/11/2023

Sr.No	Name of Student	
1	Patil Shraddha Sambhaji	SB
2	Maskar Vaishnavi Shankar	SV
3	Jagtap Prajkta Sanjay	Jagtap
4	Joglekar Pranav Dhananjay	Pranav
5	Gade Gauri Gahininath	G.G.
6	Mulik Rushikesh Anil	Rushikesh
7	Lavangare Saragam Satish	SS
8	Bhujbal Sakshi Santosh	
9	Dagade Rohit Somnath	RJ
10	Gaikwad Aniket Ganesh	Aniket
11	Lakhole Abhijeet Somnath	Abhijeet
12	Nale Yash Ramdas	Yash
13	Bhosale Yash Hanumant	Yash
14	Rabade Raj satappa	RR
15	YashRaj Nitin Bendre	YashRaj
16	Pisal Santosh Raghunath	
17	Toraskar Vaishnavi Mohan	VM
18	Bankar Rohan Durvachand	
19	Nale karan Rajendra	Karan
20	Shinde Mayur Sandip	
21	Mohite Vishal Dnyandev	MS
22	Bhivarkar sameer tukaram	S. Bhivarkar
23	Bagade Tanisha Siddharth	Tanisha
24	Hepparkar Gauri Bapu	Gauri
25	Nale Sakshi Chandrakant	
26	Shinde sakshi Shantilal	SS
27	Parande Sagar vaman	
28	Aniket Sanjay Kadam	Aniket
29	Jadhav Bhavana Dipaka	
30	Trupti Manohar Khavale	Trupti
31	Aursang Sphurti Shrishail	
32	Sayyad Danish Paigambar	
33	Pratik Anandrao Mohite	RA
34	Kadam Mayuri Suresh	Mayuri

Phaltan Education Society's
College of Engineering, Phaltan
Academic Year: 2023-2024
Department of Electronics & Telecommunication Engineering

Date: 29-11-2023

NOTICE

All Students of SY B.Tech E&TC Engineering are hereby informed that
we are going to organized *Expert Lecture* on,

"Electronics Devices & Circuits"

Day and Date: *Friday, 1st December 2023*

Venue: *Class Room No. 09, 3rd Floor, E&TC Department.*

Time: *11 am onwards*

Note: 1. Attendance is mandatory for all the students.



Activity Coordinator
Prof. M.G.Khandalkar



HOD
Prof. A. A.Ranaware



PHALTAN EDUCATION SOCIETY

COLLEGE OF ENGINEERING, PHALTAN

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara

Tel. No. : 9421416909, 7972037099

E-mail : coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Approved by AICTE New Delhi, D.T.E. Mumbai and Affiliated to Shivaji University, Kolhapur D-BATU Lonere/MSBTE Mumbai

Ref. No. : COE-685-1/2023-24

Date : 30/11/2023

To,

Mr. Padmakar Sawane
Founder Director,
BIT Electronic System Baramati

Subject: - Invitation Letter.

Dear Sir,

Phaltan Education Society's College of Engineering, Phaltan (Degree) is a well-known Engineering Institute in the Satara region affiliated to DBATU Lonere, running various Degree courses in our esteemed institute.

It is our immense pleasure to invite you to conduct an Expert Lecture for Degree (SY B.Tech) E&TC students on "Electronics Devices & Circuits at 1st Dec.2023" Onwards kindly communicate your acceptance and the required facilities for conducting the lecture at the earliest. This will enable us to prepare for a successful session. Please consider our request favorably.

Thanking you.



Prof. Dr. N. G. Narve
Principal

PES's College of Engineering, Phaltan

Received
Dawam
9767890560



PHALTAN EDUCATION SOCIETY

COLLEGE OF ENGINEERING, PHALTAN

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara

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Approved by AICTE New Delhi, D.T.E. Mumbai and Affiliated to Shivaji University, Kolhapur D-BATU Lonere/MSBTE Mumbai

Ref. No. : COE-696/2023-24

Date : 01/12/2023

To,
Mr. Padmakar Sawane,
Founder Director,
BIT Electronics Baramati

Sub: Letter of Appreciation.

Dear Sir,

I would like to acknowledge and extend my heartily gratitude for conducting Expert lecture on "Electronics Devices & Circuits" on 1st December 2023 at 11.00 am onwards. It was wonderful session we had and our students are delighted with your Lecture.

I look forward to a continuing collaboration with you. It has been an excellent experience with you and also, I appreciate your dedication.

Yours Faithfully,

Prof. Dr. N.G. Narve
Principal

College of Engineering, Phaltan



Received
Pawam
9767890560

Phaltan Education Society's
College of Engineering, Phaltan
 Department of Electronics & Telecommunication Engineering
 Academic Year 2023-2024 (Sem I)

SY Attendance(EDC Expert Lec)

1/12/2023

Sr.No	Name of Student	
1	Jadkar Shubham Chintamani	<u>Shubham</u>
2	Om Sunil Pol	<u>Om.</u>
3	Shinde Shivtej Yashwant	
4	Pawar Akash Arun	<u>A.Pawar</u>
5	Kalel Sachin Dattu	<u>Sachin</u>
6	Nikam Vaibhavi Pradeep	<u>Vaibhavi</u>
7	Saste Riya Sanjay	<u>Riya</u>
8	Suryawanshi Sakshi Rajaram	<u>S. Suryawanshi</u>
9	Pawar Rohan Prakash	<u>Rohan</u>
10	Yadav Rutik Rohidas	<u>R. R. Yadav</u>
11	Saste Tanuja Dattatray	<u>Tanuja</u>
12	Inamdar Varad Aniruddha	<u>Varad</u>
13	Nikalje Adinath Vitthal	<u>Adinath</u>
14	Phadtare Sakshi Balaso	<u>Sakshi</u>
15	Yadav Raturaj Mahadev	<u>R. M. Yadav</u>
16	Dharmadhikari Mayuresh Subhash	<u>Mayuresh</u>
17	Shinde Omkar Kashinath	<u>Omkar</u>
18	Nimbalkar Shravani Anil	<u>S. A. Nimbalkar</u>
19	Mujawar Vahid Sikandar	<u>Vahid</u>
20	Teli Saurabh Ramchandra	<u>Saurabh</u>
21	Shinde Madhav Vivek	<u>Madhav</u>
22	Choudhari Sankalp Sanjay	<u>S.S.C.</u>
23	Mane Mandar Prakash	<u>Mande</u>
24	Bankapure Mansi Atul	<u>Mansi</u>
25	Jagtap Snehal Balaso	<u>S. S. Jagtap</u>
26	Potekar Snehal Sunil	<u>Potekar</u>
27	Madane Rohan Mahadev	
28	Narute Kirti Balaso	<u>Kirti</u>
29	Rite Aishwarya Raghunath	
30	Mohite Sanika Shivaji	<u>Sanika</u>
31	Nale Pratiksha Sandeep	<u>P. S. Nale</u>
32	Shinde Madhav Vivek	
33	Shreya Shrikant Bhosale	<u>Shreya</u>
34	Choukwale Siddhi Narayan	<u>Siddhi</u>
35	Kumbhar Priti Madhukar	<u>P. M. Kumbhar</u>
36	Jamadar Rishi Mahadev	<u>Rishi</u>

Report of expert lecture on "Machine Learning"

Department of E&TC organized **One Day** Expert Lecture on **"Machine Learning"** Electronics Device & circuit with application of electronics & Oscillators. This lecture organized for TY & B. Tech students of E&TC department. The details of the programs are as follows

Program Details: Machine learning expert lecture**Venue: Class Room No.9****Resource person:** Mrs. Kajal Khalate, Data Scientist –Analytics Services BIT INFO-TECH Baramati**Day and Date:** 2nd December 2023**Time:** 10:00am to 01:00pm**Course Objectives:**

1. Students should gain a solid understanding of fundamental machine learning concepts, including supervised and unsupervised learning, regression, classification, clustering, and feature engineering.
2. Awareness of current trends and advancements in machine learning, staying updated on the latest research and industry developments.

These outcomes collectively equip students with the skills and knowledge needed to tackle real-world problems using machine learning techniques.

Course content(Beyond Syllabus) with time slot allotted to each topic

Sr. No	Topic	Time Slot
1	What is data science & AI?	10:00 am-10:30 am
2	What can we expect from data science?	10:30 am-11:15 am
3	Is data science different from artificial intelligence?	11:15 am-12:15 noon
4	Benefits of AI	12:15 noon-12:50 pm
5	Question -Answer Session	12:50 pm- 1:00 pm

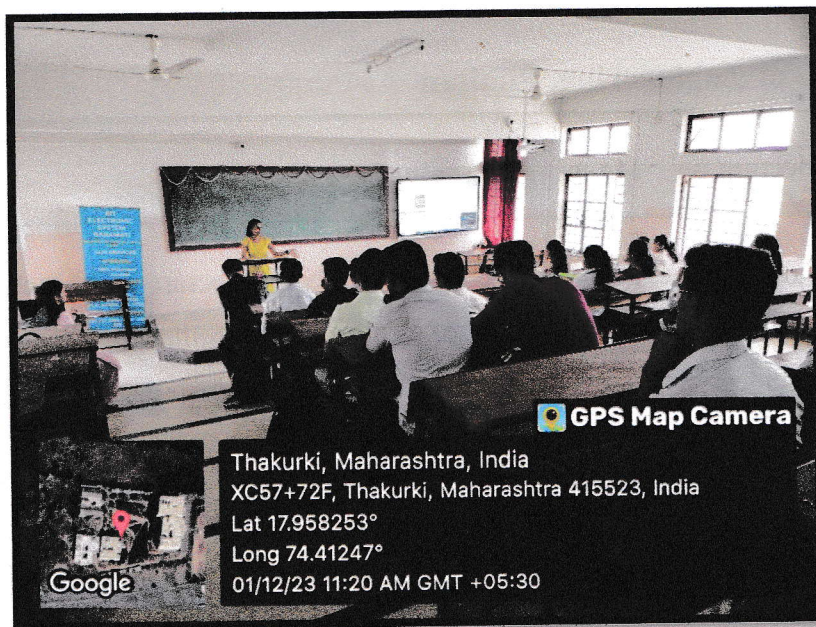


Photo 1: Madam explaining about Machine learning

Points covered

1. What is data science & AI?:

Data Science: Data science is a multidisciplinary field that uses scientific methods, processes, algorithms, and systems to extract insights and knowledge from structured and unstructured data. It involves collecting, cleaning, and analyzing data to uncover patterns, trends, and valuable information that can inform decision-making.

Artificial Intelligence (AI): AI, as mentioned earlier, involves creating machines that can perform tasks that typically require human intelligence. In the context of data science, AI can be applied to automate the analysis of large datasets, make predictions, and optimize processes. Machine learning, a subset of AI, is particularly crucial in data science. It involves building models that can learn from data and improve their performance over time.

2. What can we expect from data science?:

Informed Decision Making: Data science enables organizations to make data-driven decisions, leading to better business strategies and outcomes. It provides insights that might not be apparent through traditional methods.

Predictive Analytics: By leveraging machine learning algorithms, data science can predict future trends and behaviours based on historical data. This is valuable for businesses in forecasting demand, identifying potential risks, and making proactive decisions.

Improved Efficiency: Automation of data analysis processes can significantly improve efficiency. This allows businesses to streamline operations, reduce costs, and optimize resource allocation.

Personalization: Data science is behind personalized recommendations in areas such as e-commerce, streaming services, and social media. It tailors experiences based on individual preferences, enhancing user satisfaction.

Healthcare Advancements: In healthcare, data science contributes to personalized medicine, disease prediction, and treatment optimization. Analysing large datasets can reveal patterns and correlations that lead to better patient outcomes.

Fraud Detection and Security: Data science plays a crucial role in detecting anomalies and patterns indicative of fraud in financial transactions. It enhances security measures in various industries, protecting against cyber threats.

Scientific Research: Data science is instrumental in scientific research, helping researchers analyze vast amounts of data to make discoveries, test hypotheses, and gain a deeper understanding of complex phenomena.

Smart Cities: Data science contributes to the development of smart cities by analysing data from various sources to optimize urban planning, transportation systems, and resource utilization.

Education Optimization: In the education sector, data science can help in personalized learning experiences, identify areas for improvement, and enhance overall educational outcomes.

Continuous Innovation: The field of data science is dynamic, and ongoing innovations continue to expand its capabilities. As technology advances, we can expect new methodologies, tools, and applications to emerge.

3. Is data science different from artificial intelligence?: Yes, data science and artificial intelligence (AI) are related fields but have distinct focuses.

Data Science: Data science is a broad field that encompasses the collection, cleaning, analysis, and interpretation of data. It involves using statistical and mathematical techniques to extract insights, identify patterns, and make informed decisions based on data. Data scientists work with both structured and unstructured data, and their goal is to uncover meaningful information that can be used for various purposes, such as business strategy, research, and optimization.

Artificial Intelligence (AI): AI, on the other hand, is a broader concept that refers to the development of intelligent machines capable of performing tasks that typically require human intelligence. This includes problem-solving, learning, understanding natural language, and adapting to new situations. Machine learning, a subset of AI, involves creating algorithms that allow machines to learn from data and improve their performance over time without explicit programming.

4. What are the benefits of AI?

Automation: AI enables the automation of repetitive and mundane tasks, freeing up human resources to focus on more complex and creative aspects of their work.

Efficiency: AI systems can process and analyze large datasets at incredible speeds, leading to improved efficiency in tasks such as data analysis, decision-making, and problem-solving.

Personalization: AI algorithms can analyze user preferences and behaviours to deliver personalized experiences, whether in online shopping, content recommendations, or personalized learning.

Predictive Analytics: AI, particularly machine learning, can analyze historical data to make predictions about future trends, helping businesses and organizations make proactive decisions.

Cost Reduction: Automation and efficiency improvements often lead to cost savings for businesses. AI can streamline operations, reduce errors, and optimize resource allocation.

Improved Healthcare: AI applications in healthcare include diagnostics, personalized medicine, and drug discovery. AI can analyze medical data to identify patterns and provide valuable insights for treatment.

Enhanced Customer Service: Chatbots and virtual assistants powered by AI can provide instant and personalized customer support, improving overall customer satisfaction.

Cybersecurity: AI algorithms can detect patterns indicative of cyber threats and anomalies in real-time, strengthening cybersecurity measures.

Innovations in Research: AI contributes to scientific research by processing and analysing vast amounts of data, accelerating discoveries and advancements in various fields.

Smart Cities: AI can optimize urban planning, transportation systems, and resource management in smart cities, leading to improved efficiency and sustainability.

At the end, madam explaining about Future of Machine learning.

The future of machine learning is dynamic and subject to ongoing research and development. As the field evolves, new challenges will arise, and innovative solutions will continue to shape the landscape of AI and machine learning.

Program outcomes achieved:

PO1: Engineering knowledge:

PO3: Design/development of solutions

PO6: The engineer and society

PO11: Project management and finance

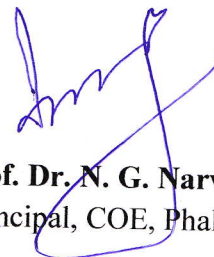
PO12: Life-long learning



Prof. M. G. Khandalkar
Activity Coordinator



Prof. A. A. Ranaware
HOD



Prof. Dr. N. G. Narve
Principal, COE, Phaltan

Report of expert lecture on "Oscillators"

Department of E&TC organized **One Day** Expert Lecture on the topic "**Oscillators**" of the course Electronics Device & circuit(BTETC302) .This lecture organized for SY students of E&TC department. The details of the programs are as follows

Program Details: EDC expert lecture**Venue: Class Room No.9****Resource person:** Mr.Padmakar Sawane, Founder & Director of BIT Electronic System Baramati**Day and Date:** 2nd December 2023**Time:** 10:00am to 01:00pm**Course Objectives:**

1. This course aims to providing detailed knowledge in Applied Electronics to understand students how oscillators are integrated into larger electronic systems and circuits.
2. Students Identify and compare different types of oscillators, such as LC oscillators, crystal oscillators, and phase-locked loops.

Course content with time slot allotted to each topic

Sr. No	Topic	Time Slot
1	Introduction of oscillator	10:00 am-11:30 am
2	. Function of Oscillator	
3	Working Principle of oscillator	
4	Types of oscillators	11:30 am-12:50 pm
5	Question -Answer Session	12:50 pm- 1:00 pm

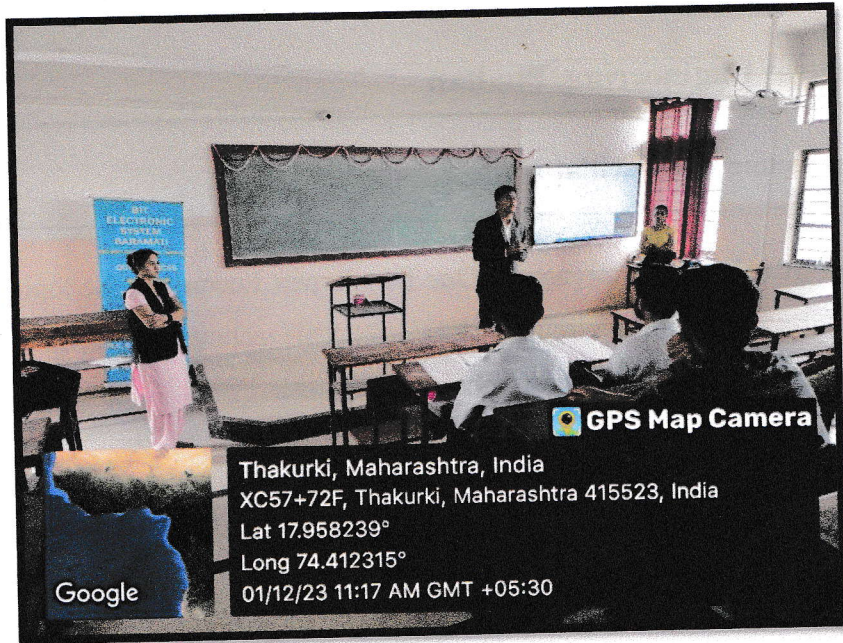


Photo 1: Sir explaining about Applied Electronics

Points covered

1. What is Oscillator? : An oscillator is a circuit or device that produces a repetitive electronic signal, typically a waveform such as sine, square, or triangle waves. The primary function of an oscillator is to generate a periodic output without the need for an external input signal. The generated waveform oscillates between high and low voltage levels, creating a continuous and repeating pattern.
2. Function of Oscillator: Oscillators are essential components that produce a periodic electronic signal, typically a sine wave or square wave. Oscillators convert DC signal to periodic AC signals which can be used to set frequency, be used for audio applications, or used as a clock signal.
3. Working Principle of oscillator: The oscillator consists of an amplifier and a Frequency Selective Network. The amplifier output is applied to the frequency selective network, the output of which is applied to the amplifier input. For the analysis a switch can be imagined to open the closed loop signal path.
4. Types of oscillator: There are two general types of electronic oscillators: the linear or harmonic oscillator, and the nonlinear or relaxation oscillator. The two types are fundamentally different in how oscillation is produced, as well as in the characteristic type of output signal that is generated

At the end, sir explaining about Future of Electronics.

The future of electronic devices and circuits is poised for transformative changes.

Anticipated trends include continued miniaturization and integration, leading to smaller and more powerful devices.

Course outcomes achieved:

CO5: Analyze oscillators.

Program outcomes achieved:

PO1: Engineering knowledge:

PO3: Design/development of solutions

PO6: The engineer and society

PO11: Project management and finance

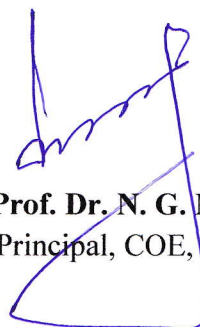
PO12: Life-long learning



Prof. M. G. Khandalkar
Activity Coordinator



Prof. A. A. Ranaware
HOD



Prof. Dr. N. G. Narve
Principal, COE, Phaltan

Phaltan Education Society's
College of Engineering, Phaltan
Academic Year: 2023-2024 (Sem-I)
Department of Electronics & Telecommunication Engineering

Date: 25-10-2023

NOTICE

All Students of SY, TY and B. Tech E&TC Engineering are hereby informed that we are organized 5 Days Student Development Program (Workshop) on,

“Very Large-Scale Integration (VLSI)”

Date: *Tuesday, 31st October, 2023 – 4th November, 2023*

Venue: *Capgemini Lab, Ground Floor*

Time: *10 am onwards*

Note: 1. Attendance is mandatory for all the students.

2. Uniform & I-card is compulsory



Activity Coordinator
Prof. M. G. Khandalkar



HOD
Prof. A. A. Ranaware



PHALTAN EDUCATION SOCIETY'S

COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE- 585 / 2023-24

Date : 30 / 10 / 2023

To,

Mr. Suryakant Dodmise
CEO,
SIBIC, Kolhapur

Subject: - Invitation Letter.

Dear Sir,

Phaltan Education Society's College of Engineering, Phaltan (Degree) is a well-known Engineering Institute in the Satara region affiliated to DBATU Lonere, running various Degree courses in our esteemed institute.

It is our immense pleasure to invite you to conduct 5 Days Workshop for Degree SY, TY & B. Tech E&TC students on "VLSI Design" from 31st October, 2023 to 4th November, 2023. Kindly communicate your acceptance and the required facilities for conducting the workshop at the earliest. This will enable us to prepare for a successful session. Please consider our request favorably.

Thanking you.

Received
Tallure



Prof. Dr. N. G. Narve
Principal
PES's College of Engineering, Phaltan



PHALTAN EDUCATION SOCIETY'S

COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE-626/2023-24

Date : 04-11-2023

To,

Mr. Suryakant Dodmise
CEO,
SIBIC, Kolhapur

Sub: Letter of Appreciation.

Dear Sir,

I would like to acknowledge and extend my heartily gratitude for conducting 5 Days workshop on "VLSI Design", from 31st October, 2023 to 4th November, 2023. This workshop will be beneficial for students in their future career life.

I look forward to a continuing collaboration with you. It has been an excellent experience with you and also, I appreciate your dedication.

Received
[Signature]



Yours Faithfully,

[Signature]

Prof. Dr. N. G. Narve
Principal
College of Engineering, Phaltan

College of Engineering, Phaltan

Department of Electronics & Telecommunication Engineering

Academic Year 2023-2024 (Sem I)

SY Attendance(VLSI Workshop)

31/10/2023-4/11/2023

Sr.No	Name of Student	31-10-2023 Session 1	01-11-2023 Session 1	02-11-2023 Session 1	03-11-2023 Session 1	04-11-2023 Session 1
1	Jadkar Shubham Chintamani	<u>Shubham</u>		<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>
2	Om Sunil Pol	<u>Om</u>	<u>Om</u>	<u>Om</u>	<u>Om</u>	<u>Om</u>
3	Shinde Shivtej Yashwant					
4	Pawar Akash Arun			<u>Apawar</u>	<u>Apawar</u>	<u>Apawar</u>
5	Kalel Sachin Dattu	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>
6	Nikam Vaibhavi Pradeep	<u>Vikam</u>	<u>Vikam</u>	<u>Vikam</u>	<u>Vikam</u>	<u>Vikam</u>
7	Saste Riya Sanjay	<u>Rssaste</u>	<u>Rssaste</u>	<u>Rssaste</u>		
8	Suryawanshi Sakshi Rajaram	<u>Suryawanshi</u>	<u>Suryawanshi</u>	<u>S.R.Suryawanshi</u>	<u>Suryawanshi</u>	<u>Suryawanshi</u>
9	Pawar Rohan Prakash	<u>R.Pawar</u>	<u>R.Pawar</u>	<u>R.Pawar</u>	<u>R.Pawar</u>	<u>R.Pawar</u>
10	Yadav Rutik Rohidas	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>
11	Saste Tanuja Dattatray	<u>Tanuja</u>	<u>Tanuja</u>	<u>Tanuja</u>		
12	Inamdar Varad Aniruddha	<u>Anamdar</u>	<u>Anamdar</u>	<u>Anamdar</u>	<u>Anamdar</u>	<u>Anamdar</u>
13	Nikalje Adinath Vitthal		<u>Nikalje</u>	<u>Nikalje</u>	<u>Nikalje</u>	<u>Nikalje</u>
14	Phadtare Sakshi Balaso	<u>PhadtareSB</u>		<u>PhadtareSB</u>	<u>PhadtareSB</u>	
15	Yadav Raturaj Mahadev					
16	Dharmadhikari Mayuresh Subhash	<u>MDhikari</u>	<u>MDhikari</u>	<u>MDhikari</u>	<u>MDhikari</u>	<u>MDhikari</u>
17	Shinde Omkar Kashinath	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
18	Nimbalkar Shravani Anil	<u>S.A.Nimbalkar</u>				
19	Mujawar Vahid Sikandar	<u>Mujawar</u>	<u>Mujawar</u>	<u>Mujawar</u>	<u>Mujawar</u>	<u>Mujawar</u>
20	Teli Saurabh Ramchandra			<u>Teli</u>		
Sr.No	Name of Student	31-10-2023 Session 2	01-11-2023 Session 2	02-11-2023 Session 2	03-11-2023 Session 2	04-11-2023 Session 2
1	Jadkar Shubham Chintamani	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	
2	Om Sunil Pol	<u>Om</u>	<u>Om</u>	<u>Om</u>	<u>Om</u>	<u>Om</u>
3	Shinde Shivtej Yashwant					
4	Pawar Akash Arun			<u>Apawar</u>	<u>Apawar</u>	<u>Apawar</u>
5	Kalel Sachin Dattu	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>
6	Nikam Vaibhavi Pradeep	<u>Vikam</u>	<u>Vikam</u>	<u>Vikam</u>	<u>Vikam</u>	<u>Vikam</u>
7	Saste Riya Sanjay	<u>Rssaste</u>	<u>Rssaste</u>	<u>Rssaste</u>		
8	Suryawanshi Sakshi Rajaram	<u>Suryawanshi</u>	<u>Suryawanshi</u>	<u>S.R.Suryawanshi</u>	<u>Suryawanshi</u>	<u>Suryawanshi</u>
9	Pawar Rohan Prakash	<u>R.Pawar</u>	<u>R.Pawar</u>	<u>R.Pawar</u>	<u>R.Pawar</u>	<u>R.Pawar</u>
10	Yadav Rutik Rohidas	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>	<u>R.R.Yadav</u>
11	Saste Tanuja Dattatray	<u>Tanuja</u>	<u>Tanuja</u>	<u>Tanuja</u>		
12	Inamdar Varad Aniruddha	<u>Anamdar</u>	<u>Anamdar</u>	<u>Anamdar</u>	<u>Anamdar</u>	<u>Anamdar</u>
13	Nikalje Adinath Vitthal		<u>Nikalje</u>	<u>Nikalje</u>	<u>Nikalje</u>	<u>Nikalje</u>
14	Phadtare Sakshi Balaso	<u>PhadtareSB</u>		<u>PhadtareSB</u>	<u>PhadtareSB</u>	
15	Yadav Raturaj Mahadev	<u>Rm. Yadav</u>				
16	Dharmadhikari Mayuresh Subhash	<u>MDhikari</u>	<u>MDhikari</u>	<u>MDhikari</u>	<u>MDhikari</u>	<u>MDhikari</u>
17	Shinde Omkar Kashinath	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
18	Nimbalkar Shravani Anil	<u>S.A.N.</u>				
19	Mujawar Vahid Sikandar	<u>Mujawar</u>	<u>Mujawar</u>	<u>Mujawar</u>	<u>Mujawar</u>	<u>Mujawar</u>
20	Teli Saurabh Ramchandra			<u>Teli</u>		

Phaltan Education Society's
College of Engineering, Phaltan
 Department of Electronics & Telecommunication Engineering
 Academic Year 2023-2024 (Sem I)

TY Attendance (VLSI Workshop)

31/10/23-4/11/23

		31-10-2023	01-11-2023	02-11-2023	03-11-2023	04-11-2023
Sr.No	Name of Student	Session 1	Session 1	Session 1	Session 1	Session 1
1	Joglekar Pranav Dhananjay		P.D.Sag			P.D.Sag
2	Mulik Rushikesh Anil	Mulik	Mulik	Mulik	Mulik	Mulik
3	Lavangare Saragam Satish	Lavangare	Lavangare	Lavangare		
4	Gaikwad Aniket Ganesh					
5	Lakhole Abhijeet Somnath	Abhilek	Abhilek	Abhilek	Abhilek	Abhilek
6	Nale Yash Ramdas	Nale	Nale	Nale	Nale	Nale
7	Bhosale Yash Hanumant	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale
8	Rabade Raj satappa	RPR	RPR	RPR	RPR	RPR
9	YashRaj Nitin Bendre	Bndr	Bndr	Bndr	Bndr	Bndr
10	Toraskar Vaishnavi Mohan	Omrt	Omrt	Omrt	Omrt	Omrt
11	Patil Shraddha Sambhaji	SPR	SPR			
12	Bhivarkar Sameer	SPR	SPR			
Sr.No	Name of Student	Session 2	Session 2	Session 2	Session 2	Session 2
1	Joglekar Pranav Dhananjay		P.D.Sag		P.D.Sag	P.D.Sag
2	Mulik Rushikesh Anil	Mulik	Mulik	Mulik	Mulik	Mulik
3	Lavangare Saragam Satish	Lavangare	Lavangare	Lavangare		
4	Gaikwad Aniket Ganesh					
5	Lakhole Abhijeet Somnath	Abhilek	Abhilek	Abhilek	Abhilek	Abhilek
6	Nale Yash Ramdas	Nale	Nale	Nale	Nale	Nale
7	Bhosale Yash Hanumant	Bhosale	Bhosale	Bhosale	Bhosale	Bhosale
8	Rabade Raj satappa	RPR	RPR	RPR	RPR	RPR
9	YashRaj Nitin Bendre	Bndr	Bndr	Bndr	Bndr	Bndr
10	Toraskar Vaishnavi Mohan	Omrt	Omrt	Omrt	Omrt	Omrt
11	Patil Shraddha Sambhaji	SPR				

12 Bhivarkar Sameer Bhivarkar Sameer Bhivarkar Sameer Bhivarkar Sameer
 13) Raju Shinde Raju Shinde Raju Shinde Raju Shinde

Phaltan Education Society's
College of Engineering, Phaltan
 Department of Electronics & Telecommunication Engineering
 Academic Year 2023-2024 (Sem I)

B.Tech Attendance(VLSI Workshop)

31/10/2023-4/11/2023

Sr.No	Name of Student	31-10-2023 Session 1	01-11-2023 Session 1	02-11-2023 Session 1	03-11-2023 Session 1	04-11-2023 Session 1
1	Jadhav Anjali Yuvraj	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
2	Bhoi Rutika Suresh	R.S.Bhoi	R.S.Bhoi	R.S.Bhoi	R.S.Bhoi	R.S.Bhoi
3	Ghadge Hrutik Arvind	Ghadge	Ghadge	Ghadge	Ghadge	Ghadge
4	Dharmadhikari Shalaka S.	Shalaka	Shalaka	Shalaka	Shalaka	Shalaka
5	Bhosale Samiksha Sunil	SB	SB	SB	SB	SB
7	Gaikwad Rutuja Nandkumar	Raika	Raika	Raika	Raika	Raika
8	Phadtare Sakshi Ashok	Phadtare	Phadtare	Phadtare	Phadtare	Phadtare
9	Velapure Pratik Dadaso	Velapure	Velapure	Velapure	Velapure	Velapure
10	Pawar Priyanka Rajendra	Pawar	Pawar	Pawar	Pawar	Pawar
Sr.No	Name of Student	31-10-2023 Session 2	01-11-2023 Session 2	02-11-2023 Session 2	03-11-2023 Session 2	04-11-2023 Session 2
1	Jadhav Anjali Yuvraj	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
2	Bhoi Rutika Suresh	R.S.Bhoi	R.S.Bhoi	R.S.Bhoi	R.S.Bhoi	R.S.Bhoi
3	Ghadge Hrutik Arvind	Ghadge	Ghadge	Ghadge	Ghadge	Ghadge
4	Dharmadhikari Shalaka S.	Shalaka	Shalaka	Shalaka	Shalaka	Shalaka
5	Bhosale Samiksha Sunil	SB	SB	SB	SB	SB
7	Gaikwad Rutuja Nandkumar	Raika	Raika	Raika	Raika	Raika
8	Phadtare Sakshi Ashok	Phadtare	Phadtare	Phadtare	Phadtare	Phadtare
9	Velapure Pratik Dadaso	Velapure	Velapure	Velapure	Velapure	Velapure
10	Pawar Priyanka Rajendra	Pawar	Pawar	Pawar	Pawar	Pawar

Phaltan Education Society's
College of Engineering, Phaltan
Academic Year: 2023-2024
Department of Electronics & Telecommunication Engineering

Date: 5-10-2023

NOTICE

All Students of TY and B.Tech E&TC Engineering are hereby informed
that we are going to organized *Expert Lecture* on,

“Introduction to Project Development process”

Day and Date: *Saturday, 6th October 2023*

Venue: *Class Room No. 09, 3rd Floor, E&TC Department.*

Time: *10 am onwards*

Note: 1. Attendance is mandatory for all the students.



Project Coordinator
Ms.M.G.Khandalkar



HOD
Mr. A. A. Ranaware



PHALTAN EDUCATION SOCIETY COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)
Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523
E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in Website : www.coe-phaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE- 496/2023-24

Date : 5/10/2023

To,

Ms. Pratima Chavan
Managing Director,
Techeureka Solutions and Services Company, Pune

Subject: - Invitation Letter.

Dear Madam,


Phaltan Education Society's College of Engineering, Phaltan (Degree) is a well-known Engineering Institute in the Satara region affiliated to DBATU Lonere, running various Degree courses in our esteemed institute.

It is our immense pleasure to invite you to conduct an Expert Lecture for Degree (TY & B.Tech) E&TC students on "Introduction to Project Development process" on 6th October, 2023 at 11.00 am. Kindly communicate your acceptance and the required facilities for conducting the lecture at the earliest. This will enable us to prepare for a successful session. Please consider our request favorably.

Thanking you.



Received
Pratima Chavan


Prof. Dr. N. G. Narve
Principal
PES's College of Engineering, Phaltan



COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE- 497/2023-24

Date : 6/10/2023

Ms. Pratima Chavan

Owner,

Techeureka Solutions and Services Company, Pune

Subject: - Letter of Appreciation.

Dear Madam,

I would like to acknowledge and extend my heartily gratitude to you for delivering Expert Lecture on "Introduction to Project Development process and Embedded System" on 6th October, 2023 at 11.00 am onwards. It was wonderful session we had and our students are delighted with your presentation.

I look forward to a continuing collaboration with you. It has been an excellent experience with you and also, I appreciate your dedication.



Prof. Dr. N. G. Narve
Principal

PES's College of Engineering, Phaltan

Received
Pratima Chavan

Phaltan Education Society's
College of Engineering, Phaltan(Degree)
Department of Electronics & Telecommunication Engineering
Academic Year 2023-24 Sem-I

List of Students for Guest Lecture on 06/10/2023

Class: TY and Final year B.Tech

Sr. No.	PRN NO.	Name of The Candidate	Sign
1	2067661372001	Jadhav Anjali Yuvraj	<u>Jadhav</u>
2	2067661372003	Bhoi Rutika Suresh	<u>R.S. Bhoi</u>
3	2167661372501	Ghadge Hrutik Arvind	<u>Ghadge</u>
4	2167661372505	Dharmadhikari Shalaka S.	<u>Shalaka</u>
5	2167661372506	Bhosale Samiksha Sunil	<u>Bhosale</u>
6	2167661372511	Gaikwad Rutuja Nandkumar	<u>Rutuja</u>
7	2167661372512	Phadtare Sakshi Ashok	<u>Phadtare</u>
8	2167661372513	Velapure Pratik Dadaso	<u>Velapure</u>
9	2167661372519	Pawar Prajakta Shamrao	<u>P.P. Pawar</u>
10	2167661372520	Pawar Priyanka Rajendra	<u>Pawar</u>
11	2267661372506	Joglekar Pranav Dhananjay	<u>P. D. Joglekar</u>
12	2267661372508	Mulik Rushikesh Anil	<u>Mulik</u>
13	2267661372509	Lavangare Saragam Satish	<u>Lavangare</u>
15	2267661372514	Lakhole Abhijeet Somnath	<u>Lakhole</u>
16	2267661372515	Nale Yash Ramdas	<u>Nale</u>
17	2267661372516	Bhosale Yash Hanumant	<u>Bhosale</u>
18	2267661372517	Rabade Raj satappa	<u>Rabade</u>
19	2267661372518	Bendre YashRaj Nitin	<u>Bendre</u>
20	2267661372521	Toraskar Vaishnavi Mohan	<u>Toraskar</u>
21	2267661372527	Bhivarkar Sameer Tukaram	<u>Bhivarkar</u>

Report of Expert lecture conducted on **“Introduction to Project Development Process”**
Organized by **E&TC Engineering Department.**

Program Details:

Venue: Classroom No. 10,

PES's College of Engineering, Phaltan,

Department of Electronics and Telecommunication Engineering.

Day and Date: Friday 06th October 2023.

Time: 11.00 am to 1.00 pm

Guest of Honor: Ms. Pratima S. Chavan (Managing Director), Techeureka Solutions and Services, Pune.

Number of Attendant: 21

An Expert Lecture of **“Introduction to Project Development process”** started with introduction of resource person.

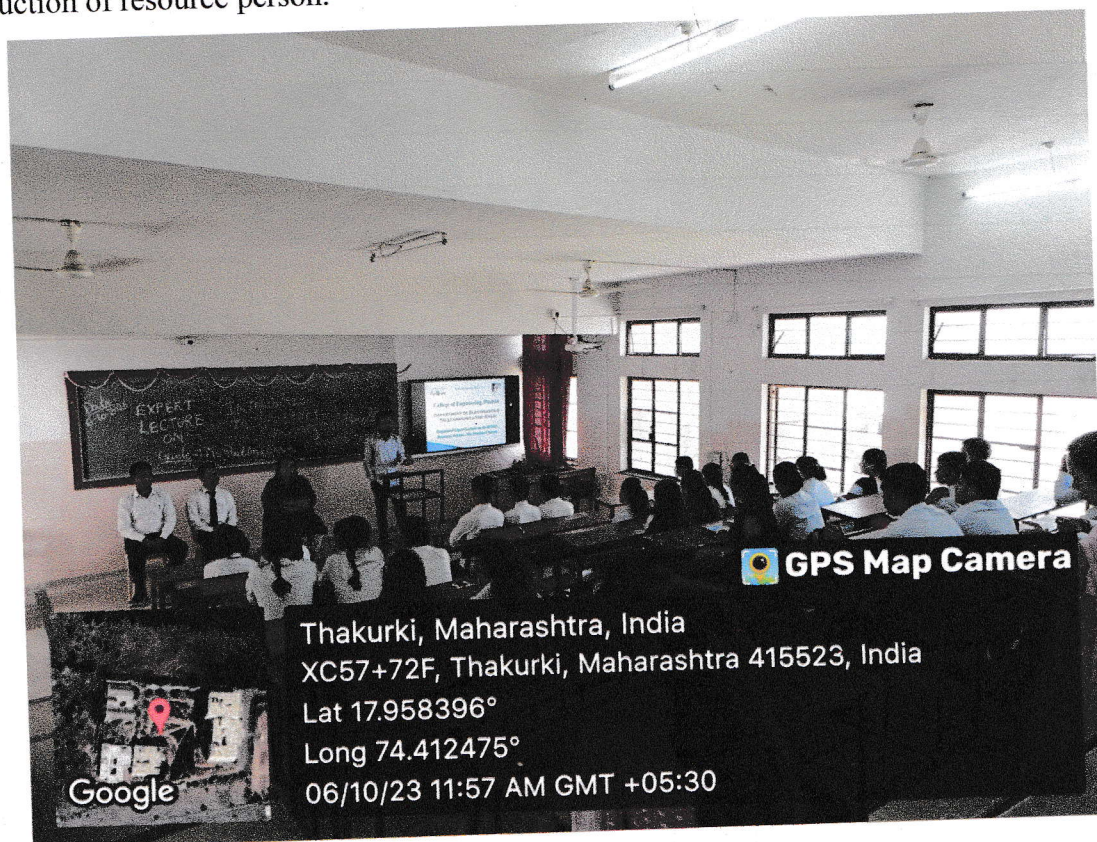


Image 1: Guest Introduction by final year B.Tech student

Ms. Pratima S. Chavan was completed her bachelor of engineering in Electronics and

Telecommunication field. She was 1st ranker in second year and 3rd year as well as 2nd ranker in last year of engineering in Shivaji University, Kolhapur (among four districts).

She is owner of Shree Engineering Academy Coaching Institute, Narhe, Pune and Owner of Techeureka Solutions and Services Company, Pune which provides internship, project training and certification in electronica and automation field.



Image 2: Felicitation of Guest Ms. Pratima S. Chavan Madam by Mr. A. A. Ranaware Sir

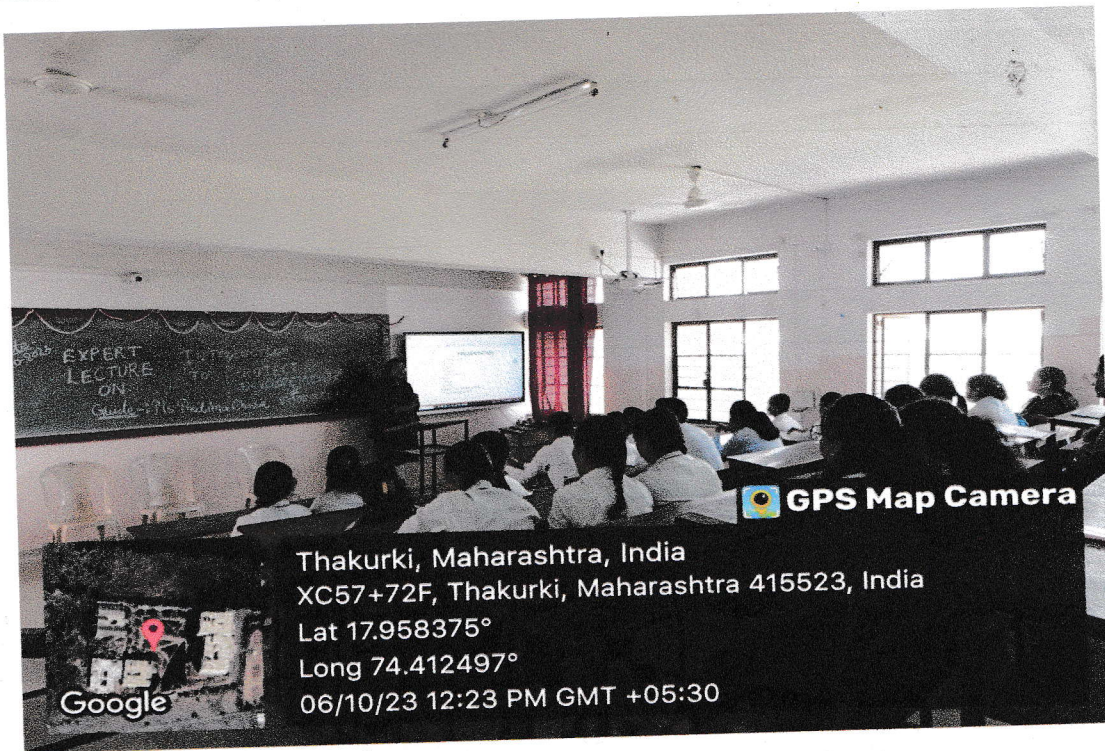


Image 3: Explaining Flow chart to the Students

In this session Ms. Pratima Chavan started the session by sharing her work experience with various type of projects. Also, she has explained the basic concepts of IoT and Embedded based systems, difference between IoT and Embedded system, career opportunities in this fields.

In this session resource person explaining content of project designing method such as Select application-based project title, Selection of microprocessor or microcontroller, Selection of components, Simulation of hardware (circuit) design, Flow of algorithm and flowchart structure, Selection of software-based programming etc. Ms. Chavan also, explained Meaning and difference between microcontroller and microprocessor, Various types of microcontrollers, microprocessors, and sensors, Network protocols used in IoT system, Why and where embedded and IoT based systems are required and important in various fields.



Image 4: Ms. Pratima S. Chavan Explaining about Project Designing Method

Summary

In this lecture students got basic knowledge about project design and implementation of hardware using IoT and Embedded System. This lecture was useful to students for project development.

After successful completion of this guest lecture, we have taken feedback from the students and we got really appreciable feedback from the students. This lecture will improve the project designing skill. Students can identify and use of various types of microcontrollers, microprocessors, sensors, network protocols etc. in IoT and Embedded system.

CO's Cover:

- Comply and verify parameters after exciting devices by any stated method.
- Implement circuit and test the performance.
- Experience with an interpreted Language.
- To build software for real needs
- Prior Introduction to testing software
- The student will study ARM Processor based Embedded System design

- The student will be able to do programming in Embedded programming in C,C++
- The student will understand Linux operating system and device driver
- The student will demonstrate the knowledge of Real Time Operating System.

PO's covered:

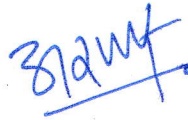
PO1: Engineering knowledge

PO3: Design/development of solutions

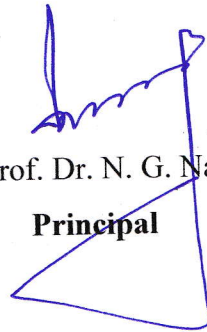
PO8: Project management and finance



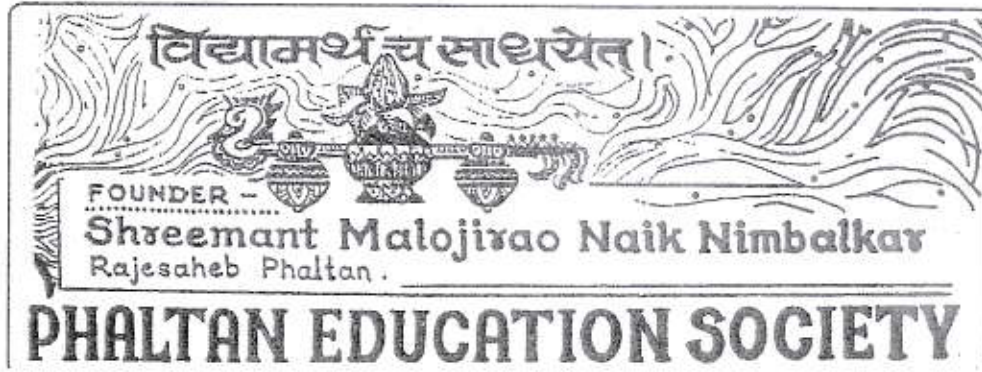
Prof. M. G. Khandalkar
Activity Co-ordinator



Prof. A.A. Ranaware
HOD, E&TC Dept.



Prof. Dr. N. G. Narve
Principal



PHALTAN EDUCATION SOCIETY COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in

Website : www.coe-phaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE-499/2023-24

Date : 06/10/2023

To,

Ms. Pratima Chavan
Managing Director,
Techeureka Solutions and Services Company, Pune

Subject: - Invitation Letter.

Dear Madam,

Phaltan Education Society's College of Engineering, Phaltan (Degree) is a well-known Engineering Institute in the Satara region affiliated to DBATU Lonere, running various Degree courses in our esteemed institute.

It is our immense pleasure to invite you to conduct an Expert Lecture for Degree (TY & B. Tech) E&TC students on "Job Placement Guidance & Counselling after Graduation" on 7th October, 2023 at 11.00 am. Onwards kindly communicate your acceptance and the required facilities for conducting the lecture at the earliest. This will enable us to prepare for a successful session. Please consider our request favorably.

Thanking you.

Received
Prachin



(Signature)

Prof. Dr. N. G. Narve
Principal
PES's College of Engineering, Phaltan



COLLEGE OF ENGINEERING, PHALTAN

(Approved by AICTE New Delhi, D.T.E. Mumbai and D-BATU Lonere/MSBTE Mumbai)

Shreemant Shivajiraje Nagar, Kurawali Road, Thakurki, Tal. Phaltan, Dist. Satara Pin 415 523

E-mail : pes.coeprincipal2011@gmail.com / coeprincipal@yahoo.co.in

Website : www.coephaltan.edu.in

Hon. Shreemant Sanjivraje Naik Nimbalkar
Secretary, P. E. S.

Prof. Dr. N. G. Narve
Principal

Ref. No. : COE- 502/072023-24

Date : 07/10/2023

To,

Ms. Pratima Chavan

Owner,

Techeureka Solutions and Services Company, Pune

Subject: - Letter of Appreciation.


Dear Madam,

I would like to acknowledge and extend my heartily gratitude to you for delivering Expert Lecture on "Job Placement Guidance & Counselling after Graduation" on 7th October, 2023 at 11.00 am onwards. It was wonderful session we had and our students are delighted with your presentation.

I look forward to a continuing collaboration with you. It has been an excellent experience with you and also, I appreciate your dedication.

Received.
Pratima Chavan




Prof. Dr. N. G. Narve
Principal

PES's College of Engineering, Phaltan

Phaltan Education Society's
College of Engineering, Phaltan
Department of Electronics & Telecommunication Engineering
Academic Year 2023-2024 (Sem I)

B.Tech Attendance

Sr.No	Name of Student	
		Anjali
1	Jadhav Anjali Yuvraj	A.Jadhav
2	Bhoi Rutika Suresh	R.S.Bhoi
3	Ghadge Hrutik Arvind	H.A.Ghadge
4	Dharmadhikari Shalaka S.	S.S.Dhikari
5	Bhosale Samiksha Sunil	
7	Gaikwad Rutuja Nandkumar	R.N.Gaikwad
8	Phadtare Sakshi Ashok	S.A.Phadtare
9	Velapure Pratik Dadaso	P.Velapure
10	Pawar Priyanka Rajendra	

Phaltan Education Society's
College of Engineering, Phaltan
 Department of Electronics & Telecommunication Engineering
 Academic Year 2023-2024 (Sem I)

TY Attendance

Sr.No	Name of Student	Sign
1	Patil Shraddha Sambhaji	<u>SSPatil</u>
2	Maskar Vaishnavi Shankar	<u>(M)vaishnavi</u>
3	Jagtap Prajka Sanjay	<u>Sagp</u>
4	Joglekar Pranav Dhananjay	<u>PJoglekar</u>
5	Gade Gauri Gahininath	<u>GG</u>
6	Mulik Rushikesh Anil	<u>Amulik</u>
7	Lavangare Saragam Satish	<u>SSatish</u>
8	Bhujbal Sakshi Santosh	
9	Dagade Rohit Somnath	<u>RT</u>
10	Gaikwad Aniket Ganesh	<u>Caikw</u>
11	Lakhole Abhijeet Somnath	<u>Abhi</u>
12	Nale Yash Ramdas	<u>Yash</u>
13	Bhosale Yash Hanumant	<u>Bhosale</u>
14	Rabade Raj satappa	<u>SRabade</u>
15	YashRaj Nitin Bendre	<u>YNBendre</u>
16	Pisal Santosh Raghunath	<u>SW</u>
17	Toraskar Vaishnavi Mohan	<u>Ratana</u>
18	Bankar Rohan Durvachand	
19	Nale karan Rajendra	<u>Karan</u>
20	Shinde Mayur Sandip	<u>SSM</u>
21	Mohite Vishal Dnyandev	<u>VM</u>
22	Bhivarkar sameer tukaram	<u>S.Bhivarkar</u>
23	Bagade Tanisha Siddharth	<u>Tanisha</u>
24	Hepparkar Gauri Bapu	
25	Nale Sakshi Chandrakant	<u>S.C.Nale</u>
26	Shinde sakshi Shantilal	<u>SS</u>
27	Parande Sagar vaman	
28	Aniket Sanjay Kadam	<u>Kadam</u>
29	Jadhav Bhavana Dipaka	
30	Trupti Manohar Khavale	<u>Teup</u>
31	Aursang Sphurti Shrishail	
32	Sayyad Danish Paigambar	
33	Pratik Anandrao Mohite	<u>PMohite</u>
34	Kadam Mayuri Suresh	

Report of Guest lecture conducted on “**Job Placement Guidance & Counselling after Graduation**” Organized by **E&TC Engineering Department**.

Program Details:

Venue: Classroom No.9,

PES's College of Engineering, Phaltan,

Department of Electronics and Telecommunication Engineering.

Day and Date: Saturday 07th October 2023.

Time: 11.00 am to 1.00 pm

Guest of Honor: Ms. Pratima S. Chavan (Managing Director), Techeureka Solutions and Services, Pune.

Number of Attendant: 27

Photo 1: Mam Explain about Transformation in engineering.



Photo 2: Mam Explain How to choose right career after BE/BTech and Diploma.



Summary

The Resource Person guided the students about the career selection. The resource person informed the students about the job opportunities in IAS, PCS, Corporate, etc. and gave some tips on how to attend the interview.

Following points were covered during this session:

- 1) Transformation in engineering
- 2) What next after graduation.
- 3) How to choose right career after graduation
- 4) Skilled Required
- 5) Career tree after BE/B Tech/Diploma
- 6) Best Options

1) Transformation in engineering: Transformation means that engineering will likely become even more complex and innovative in the future. Engineers will need to be more versatile and adaptable to overcome challenging issues around the cities we live in, as well as our transport and infrastructure.

2) What next after graduation: As a recent graduate, an internship is an important opportunity to gain access to competitive companies and industries. Once you're about to graduate or

immediately after graduation, you can apply for an internship position in reputable companies in your industry.

3) How to choose right career after graduation:

- Examine yourself.
- Reflect on your motivations.
- Think about your long-term goals.
- Take different self-assessment tests.
- Explore sectors.
- Explore industries.
- Seek out professional resources.
- Explore career options on your list.

4) Skilled Required: Your skills describe what you are good at, whether due to formal training, previous work experience, or other activities. Work-related skills include categories such as sales, data analysis, teaching, operating equipment, caring for patients, writing code, management, speaking a foreign language, and many more.

5) Career tree after BE/B Tech/Diploma: After BE/Btech you will choose Industry for career as well as you can enroll in a post-graduation programme after your BTech. by appearing GATE exam. It is an excellent path for students looking to enhance their subject expertise and gain specialized knowledge, getting a master's degree can also help you get senior-level jobs.

6) Best Options:

Apply for campus placement.

Start your own business.

Pursue higher studies.

Get a professional certification.

Find an internship.

Apply for UPSC Civil Services/Engineering Services.

Study business and management.

Study abroad.

At the end, session was ended with Questions and Answer.

PO's cover:

PO1:Engineering knowledge.

PO8:Ethics

PO9:Individual and team work

PO10:Communication

PO12:Lifelong learning



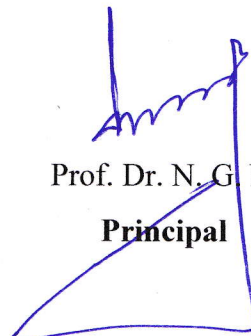
Prof. M. G. Khandalkar

Activity Co-ordinator



Prof. A.A. Ranaware

HOD, E&TC Dept.



Prof. Dr. N. G. Narve

Principal

Report on,

6 Day's Skill Development
Program on,

“3D MODELING (CATIA V6) & ADDITIVE MANUFACTURING”

For Final Year Students of Degree and
Diploma

Conducted By,

**Ascent Softech,
Baramati**

From

1st Nov. 2023 To 7th Nov. 2023

Day 1: Introduction to CATIA V6

Objective: Familiarization with the CATIA V6 interface and basic tools.

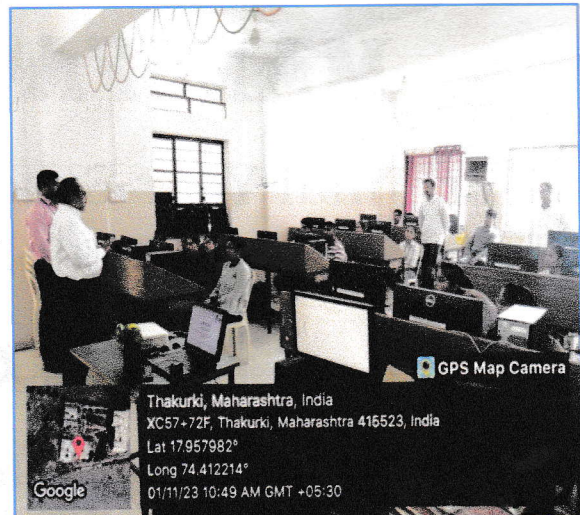
The day started with the felicitation of trainers of Ascent Softech by the honorable principal Prof. Dr. N. G. Narve sir where sir addressed all students regarding the benefits of the program in the future. The topics covered on Day 1 are given below.

Morning Session:

- Introduction to CATIA V6 software and its capabilities in 3D modeling.
- Understanding the user interface, toolbars, and navigation within the software.
- Overview of basic sketching tools, including lines, arcs, and constraints.

Afternoon Session:

- Hands-on practice: Creating 2D sketches and applying constraints.
- Extruding 2D sketches into 3D shapes.
- Introduction to part design and feature-based modeling using CATIA V6.



Felicitation of Trainer & Introductory message by an honorable principal to students.

Day 2: Advanced Part Modeling in CATIA V6

Objective: Exploring complex part modeling techniques and features.

Morning Session:

- Advanced sketching techniques: splines, curves, and patterns.
- Understanding parametric modeling and associativity in CATIA V6.
- Using design parameters and formulas to control dimensions.

Afternoon Session:

- Practice exercises on creating complex 3D parts using advanced features like fillets, chamfers, and sweeps.
- Exploring additional tools for modifying and analyzing part geometry.

Key Features & Techniques of Advanced Part Modeling

1. **Parametric Modeling:** Define parameters, equations, and constraints for adaptable designs and easy iterations.
2. **Advanced Sketching Tools:** Create intricate sketches with constraints, dimensions, splines, and advanced geometric entities for complex part designs.
3. **Hybrid Modeling:** Blend solid and surface modeling techniques for creating complex shapes seamlessly.
4. **Multi-Body Design:** Create multiple bodies within a single part file, aiding complex assemblies or functional sections.
5. **Generative Shape Design:** Create intricate surface models with advanced surfacing, curvature analysis, and freeform design capabilities.
6. **Design Optimization:** Evaluate and refine part designs for improved performance, weight reduction, and manufacturing efficiency, including topology optimization for lightweight yet strong components.

Day 3: Assembly Design in CATIA V6

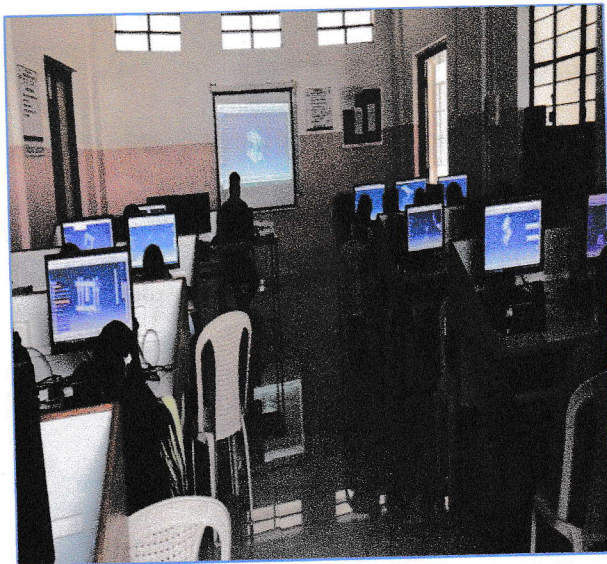
Objective: Understanding assembly modeling and its functionalities.

Morning Session:

- Introduction to assembly design principles and concepts.
- Creating assemblies by mating parts and applying constraints.
- Exploring various assembly features and tools.

Afternoon Session:

- Hands-on practice: Building assemblies and managing relationships between components.
- Using assembly constraints to simulate real-world connections.
- Understanding assembly motion and clash detection tools.



3D Modelling session by Ascent Softech Trainers

Day 4: CATIA V6 for Additive Manufacturing

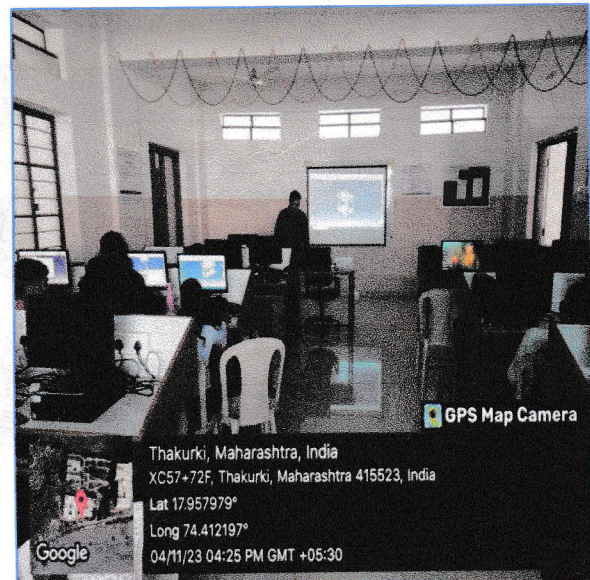
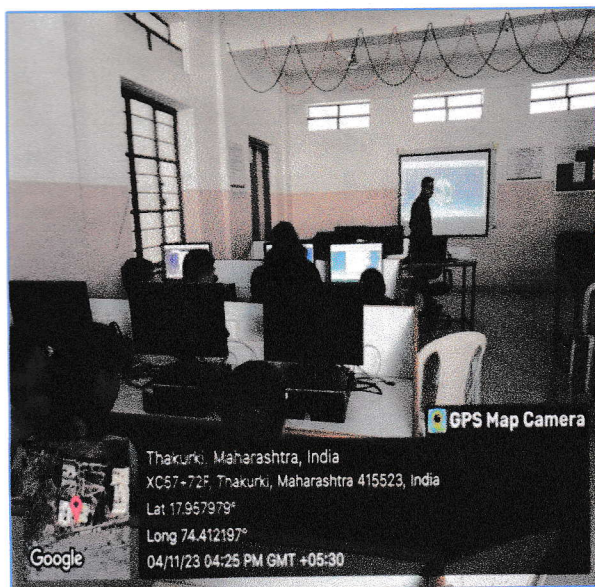
Objective: Introduction to Additive Manufacturing and its implementation in CATIA V6.

Morning Session:

- Overview of Additive Manufacturing (AM) processes, including 3D printing techniques.
- Understanding design considerations for AM, such as support structures and material selection.
- Importing and preparing CAD models for 3D printing using CATIA V6.

Afternoon Session:

- Hands-on experience in modifying models for optimal 3D printing, considering factors like orientation and support structures.
- Using CATIA V6's simulation tools to analyze and validate designs for Additive Manufacturing.



Introductory session of Additive Manufacturing by Trainer

Day 5: Optimizing Designs for Additive Manufacturing

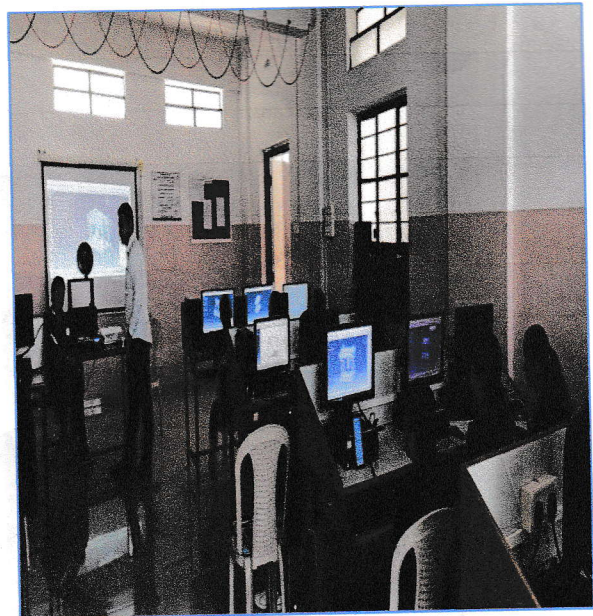
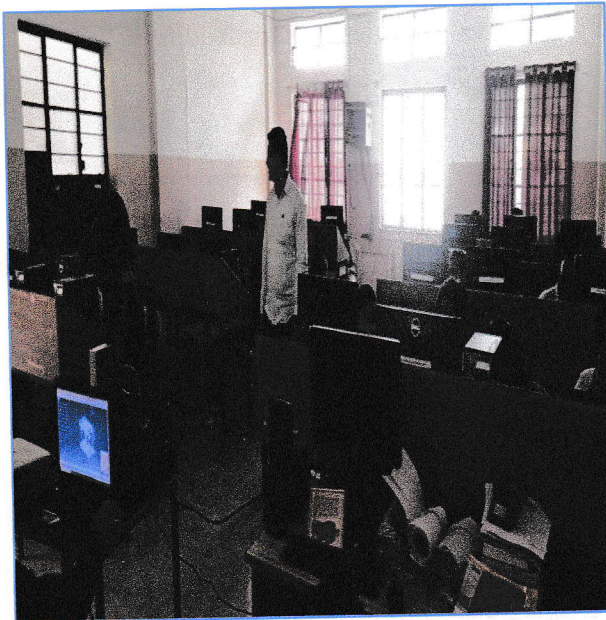
Objective: Advanced techniques in designing for Additive Manufacturing.

Morning Session:

- Exploring lattice structures and their applications in AM.
- Designing lightweight and optimized parts using CATIA V6's generative design tools.
- Understanding post-processing considerations for 3D printed parts.

Afternoon Session:

- Practical exercises on creating lattice structures and optimizing designs for specific AM requirements.
- Case studies and examples of successful AM applications using CATIA V6.



Students actively participated in additive manufacturing sessions

Day 6: Project Work and Review

Objective: Applying acquired knowledge to a project and final review.

Morning & Afternoon Session:

- Participants work on individual or group projects integrating CATIA V6 modeling techniques and Additive Manufacturing principles.
- Mentorship and guidance available for project completion.
- Presentation of projects followed by a comprehensive review, feedback, and Q&A session.

This 6-day report summarizes an intensive training program covering CATIA V6 3D modeling fundamentals and their application in Additive Manufacturing processes. The focus on practical exercises ensures hands-on experience, enabling participants to apply these skills effectively in real-world scenarios.



Honorable Principal sir with the trainers of the program & students

Co's Achieved:

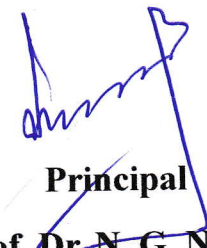
- Prepare 2D Drawing using a sketcher workbench of any parametric CAD software.
- Generate 3D solid model from 2D sketch using part workbench of any parametric CAD software
- Prepare assembly of part models using the assembly workbench of any parametric CAD software
- Print components using 3D printer/Rapid prototyping machine.

PO's / PSO's Achieved:

- **PO1. Basic and Discipline-specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals, and engineering specialization to solve engineering problems.
- **PSO 1-Modern Software Usage:** Use latest Mechanical engineering-related softwares for simple design, drafting, manufacturing, maintenance and documentation of mechanical engineering components and processes.


Program Coordinator


Head of Department
Mechanical Engineering
College of Engineering, Phaltan


Principal
Prof. Dr. N. G. Narve