



**Hope Foundation's  
Finolex Academy of Management and Technology, Ratnagiri**  
**Department of Information Technology**

<b>Subject name:</b> SEPM Lab		Subject Code: CSL603	
<b>Class :</b> TE	<b>Semester –VI</b>	<b>Academic year:</b> 2022-2023	<b>QUIZ SCORE:</b>
<b>Roll No</b>		<b>Experiment No.</b>	01
<b>Title: To understand DevOps: Principles, Practices, and DevOps Engineer Role and Responsibilities</b>			

**1. Lab objectives applicable:**

To understand DevOps practices which aims to simplify Software Development Life Cycle.

**2. Lab outcomes applicable:**

To understand the fundamentals of DevOps engineering and be fully proficient with DevOps terminologies, concepts, benefits, and deployment options to meet your business requirements

**3. Learning Objectives:**

1. To understand DevOps practices which aims to simplify Software Development Life Cycle.

**4. Practical applications of the assignment/experiment:****5. Prerequisites:** NA**6. Hardware Requirements:**

A Computer system

**7. Software Requirements:**

- Windows 10/11 x64,
- NodeJS v12 or higher
- Visual Studio C++ Build Tools 2017 or higher
- Python 2.7 or higher

**9. Experiment/Assignment Evaluation:**

<b>Sr. No.</b>	<b>Parameters</b>	<b>Marks obtained</b>	<b>Out of</b>
1	Technical Understanding (Assessment may be done based on Q & A <u>or</u> any other relevant method.) Teacher should mention the other method used -		6
2	Neatness/presentation		2
3	Punctuality		2
<b>Date of performance (DOP)</b>		<b>Total marks obtained</b>	<b>10</b>

**8. Quiz Questions (if any): (Online Exam will be taken separately based on certificate/ Marks obtained)**

**To understand DevOps: Principles, Practices, and DevOps Engineer Role and Responsibilities**

Link: <https://www.youtube.com/watch?v=Me3ea4nUt0U>

**What is DevOps?**

DevOps (a combination of “development” and “operations”) is the combination of practices and tools designed to increase an organization’s ability to deliver applications and services faster than traditional software development processes. This speed enables organizations to better serve their customers and compete more effectively in the market.

In simple terms, DevOps is about removing the barriers between traditionally siloed teams, development and operations. Under a DevOps model, development and operations teams work together across the entire software application life cycle, from development and test through deployment to operations.

