

“Techno – Social Excellence”

Marathwada Mitramandal’s

INSTITUTE OF TECHNOLOGY (MMIT)

Lohgaon, Pune-411047

Department of Civil Engineering

PROJECT BASED LEARNING A. Y. 2022-23

INDEX

Sr. No.	Title of project	List of students	Page No.
1	Electricity generation from sugar mill waste water by microbes	Pranay Ankushrao Rutik Vare Aditya Khatkale Sumedh Galande	<u>3</u>
2	Drainages blockage detection system	Pranali Besulke Prasad Wagh Chetan Wagh Krishna Girase	<u>4</u>
3	QR code Generator	Shaikh Amar Isak Rawle Prashant Umakant	<u>5</u>
4	Various factors affecting the quality of the construction work.	Shinde Ashwini Rangnath Maindad Ashwini Balajee Khade Aniket Satishrao Mesare Ajay Sanjay	<u>6</u>
5	Home Security by laser light	Chavan Satyam Nanasaheb Jangale Santoshi Pandurang Potenavaru Rahul Tukaram Prathamesh Yogesh Deshmukh	<u>7</u>
6	Defects in construction projects ( case Study Park Vista)	Kajal Manikrao Khandare Fiza Ahesan Shaikh	<u>8</u>



<b>Sr.No.</b>	<b>Title of project</b>	<b>List of students</b>	<b>Page No.</b>
7	Traffic congestion at Road Signals	Ingale Prakash Bhausahab More Shreya Shivaji Rode Nikita Arjun Siddhant Amol Sarvate	<u>9</u>
8	Rainfall Induced Landslides	Koli Mansi Sudhir Mahajan Prathmesh N. Pidge Vaishnavi Ramakant Ingale Shubham Tabaji Aglave Ashish Dattatray	<u>10</u>
9	Design of Steel Roof Truss	Bhosale Bhagyashree Kulkarni Virach Salve Mukul Gugle Suyog	<u>11</u>
10	Working Model of Rotating Bridge	Yashraj Babar Rohit Ayare Vishal Pawar Anuj Warale	<u>12</u>
11	Air pollution caused by construction activity	Suyash Taware Rohan Rewale Amey Khandave	<u>13</u>
12	Aggregate & Sand based Water filter	Kamble Abhishek Satish Kakade Dnyaneshwar Gautam	<u>14</u>
13	Road side garbage dumping creats pollution in lohgaon	Arati Khade Roshni Palande Raj Bhortake Devyani Bhortake	<u>15</u>



## CERTIFICATE OF COMPLETION


This is to certify that

Sr	Name of Students	Roll No.
1	Galande Sumedh Chandrakant	19
2	Khatkale Aditya Anil	24
3	Vare Rutik Balwant	45
4	Ankushrao Pranay Chandrakant	55

has successfully completed the Problem-Based Learning (PBL) project titled “**Electricity Generation from Sugar Mill Waste Water by Microbes** ” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of **Prof. M.P.Pawar** and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

**Date:**


**Place:**

  
**Guide**

  
**Project Coordinator**

  
**Prof. Leena Deshmukh**  
**HOD, Civil Engineering**  
**H.O.D.**



  
**Principal**

## CERTIFICATE OF COMPLETION


This is to certify that


Sr. No.	Name of Student	Roll No.
1	Wagh Chetan Vitthal	22
2	Wagh Prasad Anil	28
3	Girase Krushna Devising	30
4	Besulke Pranali Sachin	38

has successfully completed the Problem-Based Learning (PBL) project titled **Drainage Blockage Detection System** in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of **Prof. M. P. Pawar** and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

Date: 25-05-2023.


Place: Lohegaon, Pune.

  
Prof. M. P. Pawar.  
Guide

  
Prof. V. D. Sawant.  
Project Coordinator

  
Prof. Leena Deshmukh  
D. C. E. Engineering



  
Principal

## CERTIFICATE OF COMPLETION

This is to certify that

Sr	Name of Students	Roll No.
1	Shaikh Amar Isak	12
2	Rawale Prashant Umakant	29

has successfully completed the Problem-Based Learning (PBL) project titled “QR Code Generator” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of Prof. V. D. Sawant and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

Date:

Place:

Guide

Project Coordinator

Prof. Leena Deshmukh  
HoD, Civil Engineering

H.O.D.



Principal

1

## CERTIFICATE OF COMPLETION

This is to certify that

Sr	Name of Students	Roll No.
1	Ashwini Balaji Maindad	10
2	Ashwini Rangnath Shinde	13
3	Ankit Khade	26
4	Mesare Ajay	60

has successfully completed the Problem-Based Learning (PBL) project titled “**Various factors affecting quality of construction work**” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of **Prof. R.S.Fegade** and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

**Date: 25/05/2023**

**Place: Lohgaon , Pune**



Guide



Prof. Leena Deshmukh  
HoD, Civil Engineering

H.O.D.



Project Coordinator



Principal

Sr	Name of Students	Roll No.
1	Satyam Nanasahab Chavan	34
2	Santoshi Pandurang Jangle	35
3	Rahul Tukaram Potenavaeu	36
4	Prathamesh Yogesh Deshmukh	52

has successfully completed the Problem-Based Learning (PBL) project titled "Home security by laser light" in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of Prof. P.B. KOKATE and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

Date: 25/5/2023


Place: Pune

  
Guide

  
Project Coordinator

  
H.O.D.



  
Principal

## CERTIFICATE OF COMPLETION

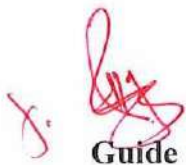
This is to certify that

Sr	Name of Students	Roll No.
1	Shaikh FizaAhesan	50
2	KhandareKajalManikrao	46

has successfully completed the Problem-Based Learning (PBL) project titled “**Defects in construction project (Case study on Park vista)**” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of **Prof. P. B. Kokate** and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

Date: 25-05-2023

Place: Lohagzon, Pune.



Guide



Project Coordinator



Prof. Leena Deshmukh  
HoD, Civil Engineering  
H.O.D.



Seal



Principal



## CERTIFICATE OF COMPLETION

This is to certify that

Sr	Name of Students	Roll No.
1	Ingale Prakash Bhausheb	05
2	More Shreya Shivaji	42
3	Rode Nikita Arjun	44
4	Siddhant Amol Sarvate	49

has successfully completed the Problem-Based Learning (PBL) project titled “**Traffic Congestion at Road Signals**” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of **Prof. V. D. Sawant** and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

**Date:** 25/05/2023


**Place:** Lonergaon

  
**Guide**

  
**Project Coordinator**

  
**Prof. Leena Deshmukh**  
HoD, Civil Engineering



  
**Principal**

## CERTIFICATE OF COMPLETION

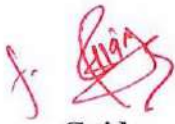
This is to certify that

SR. NO.	NAME OF STUDENTS	ROLL NO.
1	Aglave Ashish Dattatray	01
2	Ingale Shubham Tabaji	06
3	Koli Mansi Sudhir	08
4	Mahajan Prathmesh Nilkanthappa	09
5	Pidge Vaishnavi Ramakan	39

has successfully completed the Problem-Based Learning (PBL) project titled “**Rainfall Induced Landslides**” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of Dr. S.S.Kar and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

**Date:** 25/05/2023

**Place:** Lohgaon

  
Guide

  
Project Coordinator

  
Prof. Leena Deshmukh  
HoD, Civil Engineering



## CERTIFICATE OF COMPLETION

This is to certify that

Sr. No.	Name of Student	Roll No.
1	Bhagyashree R. Bhosale	03
2	Virach V. Kulkarni	40
3	Suyog R. Gugle	41
4	Mukul V. Salve	43

has successfully completed the Problem-Based Learning (PBL) project titled "**Design of steel roof structure**" in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of **DR.A.P.khatri** and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

Date: 25/05/2023

Place: Longoan.

  
Guide

  
Project Coordinator

  
Prof. Leena Deshmukh  
HoD, Civil Engineering  
H.O.D.

Seal

  
Principal

A

Synopsis report on

**PROJECT BASED LEARNING (PBL)**

on Problem

**“Working model of Rotating Bridge”**

Submitted Towards the

Partial Fulfillment of the Requirements Of

Bachelor of Engineering

(SE Civil Engineering)

BY

Sr. No.	Name of Student	Roll No.
1	Babar Yashraj Shivaji	09
2	Ayare Rohit Kanifnath	31
3	Warale Anuj Sadashiv	32
4	Pawar Vishal Popat	37

Under the Guidance of

Dr.A.P.Khatri



“येथे बहुतांचे हित”

**DEPARTMENT OF CIVIL ENGINEERING**

**Marathwada Mitra Mandal's  
Institute of Technology**

Lohgaon, Pune- 411047

A. Y (2022-23)



*Leena*

Prof. Leena Deshmukh  
HoD, Civil Engineering

## CERTIFICATE OF COMPLETION

This is to certify that

Sr	Name of Students	Roll No.
1	SUYASH RAJU TAWARE	14
2	ROHAN ROHIDAS REWALE	11
3	AMEY KHANDVE	07

has successfully completed the Problem-Based Learning (PBL) project titled “**AIR POLLUTION CAUSED BY CONSTRUCTION ACTIVITY**” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of Prof. V. D. Sawant and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

**Date:**

**Place:**

		
<b>Guide</b>	<b>Project Coordinator</b>	
 Prof. Leena Deshmukh HoD, Civil Engineering		<b>Principal</b> Marathwada Mitra Mandal's Institute of Technology, Lohandurga, Pune-47 <b>Principal</b>

## CERTIFICATE OF COMPLETION

This is to certify that

Sr. No.	Name of Student	Roll No.
1	ABHISHEK.S.KAMBLE	17
2	KAKADE DNYANESHWAR GAUTAM	33

has successfully completed the Problem-Based Learning (PBL) project titled "AGGREGATE & SAND BASE WATER FILTER" in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of Prof. R.M.RAUT and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

Date: 31/05/2023


Place: LOHEGAON

  
Guide

  
Project Coordinator

  
Prof Leena Deshmukh  
HoD, Civil Engineering  
H.O.D.





Principal

## CERTIFICATE OF COMPLETION

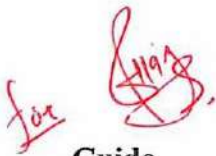
This is to certify that

Sr. No.	Name of Student	Roll No.
1	Arati Sanjay Khade	18
2	Roshni Manoj Palande	20
3	Raj Atul Bhortake	23
4	Devyani Snehal Bhortake	25

has successfully completed the Problem-Based Learning (PBL) project titled “**Road Side Garbage Dumping Creates Pollution In Lohgaon**” in partial fulfillment of the requirements for the Bachelor's degree in SE Civil Engineering. The PBL project was conducted under the supervision of **Prof.L.A.Deshmukh** and has been completed with dedication, professionalism, and a high level of competence. The project report showcases the student's ability to apply theoretical knowledge, analyze complex problems, develop innovative solutions, and communicate their findings effectively. The student has demonstrated exceptional skills in critical thinking, problem-solving, and collaboration throughout the project. We commend the student for their outstanding performance and acknowledge their significant contribution to the field of civil engineering through this PBL project.

Date: 30/05/2023

Place: Pune



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Project Coordinator

  
Prof. Leena Deshmukh  
HoD, Civil Engineering

H.O.D.



Seal



Principal