CAR AND HOUSE PRICE PREDICTION WEB APPLICATION

(AY21TECSM50115)

A **Mini-Project Logbook** Submitted in partial fulfilment of the requirements

of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER ENGINEERING

BY

Pooruvi Singh (Roll No 56)

Aditya Kini (Roll No 27)

Suraj Maurya (Roll No 32)

Omkar Tendolkar (Roll No 59)

Guided By

Mrs. Neelam Phadnis

DEPARTMENT OF COMPUTER ENGINEERING

SHREE L. R. TIWARI COLLEGE OF ENGINEERING

KANAKIA PARK, MIRA ROAD (E), THANE -401 107, MAHARASHTRA.

University of Mumbai

(AY 2021-22)

Shree Rahul Education Society's (Regd.)
SHREE L. R. TIWARI COLLEGE OF ENGINEERING
Kanakia Park, Near Commissioner's Bungalow, Mira Road (East), Thane 401107, Maharashtra
(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)
NAAC Accredited | ISO 9001:2015 Certified
Tel. No.: 022-28120144 / 022-28120145 | Email: slrtce@rahuleducation.com | Website: www.slrtce.in

DEPARTMENT OF COMPUTER ENGINEERING

VISION AND MISSION

Institution's

Vision	To be a world class institute and a front runner in educational and socioeconomic development of the nation by providing high quality technical education to students from all sections of society.
Mission	To provide superior learning experiences in a caring and conducive environment so as to empower students to be successful in life & contribute positively to society.
Quality Policy	We, at SHREE L. R. TIWARI COLLEGE OF ENGINEERING, shall dedicate and strive hard to continuously achieve academic excellence in the field of Engineering and to produce the most competent Engineers through objective & innovative teaching methods, consistent updating of facilities, welfare & quality improvement of the faculty & a system of continual process improvement.

Computer Engineering Department's

Vision	To be a department of high repute focused on quality education, training and skill development in the field of computer engineering to prepare professionals and entrepreneurs of high caliber with human values to serve our nation and globe.
Mission	**M1:** To provide fertile academic environment for the development of skilled professionals and empowered with knowledge, skills, values, and confidence to take the leadership role and to bridge the gap between industry institute and society in the field of Computer engineering. **M2:** To promote caring and interactive teaching practices in a rejoicing learning ambience with richly supported modern educational tools and techniques. **M3:** To enhance and revitalize research culture to provide practical exposure and to establish synergy between teaching and research and make it an enabler for speedy progress. **M4:** To pursue intensification of soft skills and personality development through interplay of achievers of all segments of our society. **M5:** To provide human values to students by promoting lifelong learning ability.
Program Educational Objectives	**PEO-1:** To prepare students for successful carrier in industry, research and institutions of higher learning. **PEO-2:** To encourage student to work in teams to address industrial and socially relevant problems/projects. **PEO-3:** To provide student with a sound mathematical, scientific and engineering fundamentals necessary to formulate, analyze and solve engineering problems. **PEO-4:** To promote student awareness and commitment to lifelong learning and professional ethics during the course of professional practice.

Student's Signature

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Programme Outcome (POs & PSOs)

Programme Outcomes are the skills and knowledge which the students have at the time of graduation. This will indicate what student can do from subject-wise knowledge acquired during the programme.

PO	Graduate Attributes	Description of the Programme outcome as defined by the NBA
PO-1	Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO-2	Problem analysis	Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO-3	Design/ development of solutions	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO-4	Conduct investigations of complex problems	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO-5	Modern tool usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO-6	The engineer and society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO-7	Environment and sustainability	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO-8	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO-9	Individual and team work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO-10	Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO-11	Project management and finance	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO-12	Life-long learning	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
Program Specific Outcomes (PSOs) defined by the programme. Baseline-Rational Unified Process(RUP)		
PSO-1		The graduate must be able to develop, deploy, test and maintain the software or computing hardware solutions to solve real life problems using state of the art technologies, standards, tools and programming paradigms.
PSO-2		The graduate should be able to adapt Computer Engineering knowledge and skills to create career paths in industries or business organizations or institutes of repute.

Student's Signature

STUDENTS INFORMATION

Academic Year: 2021-2022 **Program: Computer Engg (UG)**
Class: Third Year Computer Engineering **Semester: V (Fifth)**
Course Name: Mini-Project -2B **Course Code: CSM501**
Group Unique ID: AY20TECSM50115 **Team: Zenith**
Name of Supervisor: Neelam Phadnis **Designation: HOD**

Name of Group Members (Last name-First Name-Middle Name)	Singh Pooruvi Virendra		
Role/Responsibility	Group Leader		
Roll No.	56	**Gender(M/F)**	F
Mobile No.	9769389039	**Email ID**	pooruvirendrasingh2015@gmail.com
Address	B2 714, Rashmi Enclave, Shanti Park, Mira Road (E). Thane - 401107.		
Name of Mentor	Dr. Vinayak D. Shinde		
Name of Group Members (Last name-First Name-Middle Name)	Kini Aditya Subhash		
Role/Responsibility	Group Member I		
Roll No.	27	**Gender(M/F)**	M
Mobile No.	9004069948	**Email ID**	adityakini7686@gmail.com
Address	C-27, 75, Behind Gaodevi Temple, Navghar Village, Bhayander (E).		
Name of Mentor	Prof. Pravin Jangid		
Name of Group Members (Last name-First Name-Middle Name)	Maurya Suraj Govind		
Role/Responsibility	Group Member II		
Roll No.	32	**Gender(M/F)**	M
Mobile No.	9769697116	**Email ID**	suraj.maurya@slrtce.in
Address	Shanti Nagar, Mira Road (E). Thane. Maharastra.		
Name of Mentor	Prof. Pravin Jangid		
Name of Group Members (Last name-First Name-Middle Name)	Tendolkar Omkar Chandrashekhar		
Role/Responsibility	Group Member III		
Roll No.	59	**Gender(M/F)**	M
Mobile No.	8169181092	**Email ID**	omkartendolkar10@gmail.com
Address	4/403, Surbhi Complex, Near Poonam Garden, Mira Road (E). Thane - 401107.		
Name of Mentor	Dr. Vinayak D. Shinde		

INSTRUCTIONS TO STUDENTS:

Project log books are used to record your daily activity from the very first thing you do in starting the project (an introduction statement what your project is all about), to the completion of the effort (including the final results, did your project meets the core objectives, etc.) Most science project participants use the "Scientific Method" to conduct their project activity and to record the results into a "Log Book" or journal. The Log Book will help you organize your thoughts and procedures. Log books will be submitted with the project at completion, and will be graded along with the project.

The first step will be to create a log book or journal. It is the written record showing all your work from start to finish. Take pictures during each step of the process, including appropriate screen shots, and import into the log book. As data is gathered, record results via charts, graphs, etc. Record all appropriate footnotes and source documents used. All work must be that of the student only (work done by any outside sources is unacceptable). The information can be hand written or typed (the student's choice); however, since this project will be judged in a virtual environment, be sure the data is clear, concise and legible and can be scanned into the document. Submission can be as a doc, pdf, or jpeg.

1. The logbook must be submitted to the Guide or Co-Guide for verification and evaluation of project activities atleast once in a week.

2. Log book duly signed by guide must be submitted with project report for evaluation at the end of semester to the department.

Declaration by the Candidate(s)

We declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, We have adequately cited and referenced the original sources. We also declare that We have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Date:

(Pooruvi Virendra Singh)

Roll No.: 59 Exam. Seat No.: 22MS16057

(Aditya Subhash Kini)

Roll No.: 27 Exam. Seat No.: 22MS16028

(Suraj Govind Maurya)

Roll No.: 32 Exam. Seat No.: 22MS16033

(Omkar Chandrashekhar Tendolkar)

Roll No.: 59 Exam. Seat No.: 22MS16060

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DEPARTMENT OF COMPUTER ENGINEERING

Letter of Acceptance

I undersigned, Prof. **Neelam Kulkarni** working in the Department of Computer Engineering, willing to guide the project titled **'Car and House Price Prediction'** for the Mini project-II , Semester VI respectively for the academic year 2021-22. The names of the students are:

1. Pooruvi Virendra Singh
2. Aditya Subhash Kini
3. Suraj Govind Maurya
4. Omkar Chandrashekhar Tendolkar

(Project Guide)	**(Major Project Coordinator)**	**(HOD, Computer Engg.)**

COURSE OBJECTIVES

1) To acquaint with the process of identifying the needs and converting it into the problem.
2) To familiarize the process of solving the problem in a group.
3) To acquaint with the process of applying basic engineering fundamentals to attempt solutions to the problems.
4) To inculcate the process of self-learning and research.

COURSE OUTCOMES

CO's No.	COURSE OUTCOME	POs covered	PSOs covered
CO1	CSP705.1) Able to - Apply engineering Knowledge and skill to solve Societal /Research /Innovation /Entrepreneurship problems in a group. (PO-1)	PO1	PSO-1
CO2	CSP705.2) Able to - Identify societal/ research/ innovation/ entrepreneurship problems through appropriate Literature surveys then evaluate problem statements and identifies objectives, processes/ modules/ algorithms/ existing solutions /alternate solutions /methods to solve the problem with best methods and processes. (PO-2)	PO2	PSO-1
CO3	CSP705.3) Able to - Review state-of-the-art literature and synthesize/develop system requirements, specifications, design constraints, from larger social and professional concerns. (PO-3)	PO3	PSO-1
CO4	CSP705.4) Able to - Validate, Verify the results using test cases/benchmark data/ theoretical /inferences /experiments /simulations.(PO-4)	PO4	PSO-1
CO5	CSP705.5) Able to - Identify/use/create/modify/extend modern engineering tools, techniques and resources required for solution implementation. (PO-5)	PO5	PSO-1
CO6	CSP705.6) Able to - Analyze the impact of solutions in a societal and environmental context for sustainable development. (PO-7)	PO7	PSO-1
CO7	CSP705.7) Able to - Use standard norms of engineering practices and understand ethics and misconduct of publication. (PO-6 and 8)	PO6, PO8	PSO-1, PSO-2
CO8	CSP705.8) Able to - Develop interpersonal skills to work as a member of a group or leader. (PO-9)	PO9	PSO-1, PSO-2
CO9	CSP705.9) Able to - Communicate through technical report writing and oral presentation as per engineering standards. (PO-10) ● The work may result in research/white paper/ article/blog writing and publication by understanding ethics and misconduct of publication. ● The work may result in a business plan for entrepreneurship products created. ● The work may result in the patent filing.	PO10	PSO-1, PSO-2
CO10	CSP705.10) Able to - Demonstrate project management principles and financial considerations during project work. (PO-11)	PO11	PSO-1, PSO-2
CO11	CSP705.11) Able to - Demonstrate the capabilities of self-learning in a group, which leads to lifelong learning. (PO-12)	PO12	PSO-1, PSO-2

Course Articulation Matrix

Outcomes	POs	Graduate Attributes ↓	Course Outcome											Weighted Avg.
			CSP 705.1	CSP 705.2	CSP 705.3	CSP 705.4	CSP 705.5	CSP 705.6	CSP 705.7	CSP 705.8	CSP 705.9	CSP 705.1o	CSP 705.11	
Programme Outcome	PO-1	Engineering knowledge	3	--	--	--	--	--	--	--	--	--	--	3
	PO-2	Problem analysis	--	3	--	--	--	--	--	--	--	--	--	3
	PO-3	Design/development of solutions	--	--	3	--	--	--	--	--	--	--	--	3
	PO-4	Conduct investigations of complex problems	--	--	--	3	--	--	--	--	--	--	--	3
	PO-5	Modern tool usage	--	--	--	--	3	--	--	--	--	--	--	3
	PO-6	The engineer and society	--	--	--	--	--	--	3	--	--	--	--	3
	PO-7	Environment and sustainability	--	--	--	--	--	3	--		--	--	--	3
	PO-8	Ethics	--	--	--	--	--	--	3	--	--	--	--	3
	PO-9	Individual and team work	--	--	--	--	--	--	--	3	--	--	--	3
	PO-10	Communication	--	--	--	--	--	--	--	--	3	--	--	3
	PO-11	Project management and finance	--	--	--	--	--	--	--	--	--	3	--	3
	PO-12	Life-long learning	--	--	--	--	--	--	--	--	--	--	3	3
Program Specific Outcomes	PSO-1	System Inception and Elaboration	3	3	3	3	3	3	3	3	3	3	3	3
	PSO-2	System Construction	--	--	--	--	--	--	3	3	3	3	3	3

SCHEDULE FOR Mini PROJECT

Date	Week	Contents	Remark	Guide Sign
11/06/2021	1	Designing the front end part for car price prediction website	To design a front end part of the house webpage using HTML, CSS, JavaScript and Bootstrap.	
08/07/2021	2	Building connection between car model and website through Flask framework	To deploy the model; on web application through flask framework	
22/07/2021	3	Creating the house price models using various regression techniques (i.e Linear and Ridge Regression)	To build a house prediction model for both the regression model in Jupyter Notebook	
15/08/2021	4	Comparison of both the house prediction models with its accuracy	To compare both the prediction models of house with their R2 score of training and test dataset.	
27/08/2021	5	Further discussion on house prediction model for choosing the efficient regression model	To do further discussion on house model and select the efficient regression model by considering all the parameters	
13/09/2021	6	Preparation of PPT for 3^{rd} phase presentation of our project	To prepare third PPT of project by distributing the work among all the group members	
14/02/2022	7	Presented the 3^{rd} phase presentation of our project	To present the third PPT by explaining every concepts	
30/09/2021	8	Designing the front end part for house price prediction website	To design a front end part of the house webpage using HTML, CSS, JavaScript and Bootstrap	
07/10/2021	9	Final testing of our prediction website and resolve errors if occurs	To do multiple testing of the prediction website and host it on a production server prefectly	
14/10/2021	10	Preparation of PPT for 4 phase presentation of our project	To prepare fourth PPT of project by distributing the work among all the group members	

17//2022	11	Presented the 4^{th}phase presentation of our project	To present the fourth phase PPT by updating additional concepts of the work and demonstration of the model	
05/04/2022	12	Making of final project report for our project	To create a project report by considering all the concepts	

PROGRESS/ATTENDANCE REPORT

Title of the Project: CAR AND HOUSE PRICE PREDICTION	
Group No. 15	Name of Student 1: Pooruvi Virendra Singh
	Name of Student 2: Aditya Subhash Kini
	Name of Student 3: Suraj Govind Maurya
	Name of Student 4: Omkar Chandrashekhar Tendolkar
Name of the Supervisor: Neelam Phadnis	

Sr. No	Date	Attendance				Progress/ Suggestion	Mapping		
		1	2	3	4		CO	PO	PSO
1		P	P	P	P	Designing the front end part for car price prediction website	CO 9	PO -1 PO -6 PO - 7	PSO -2
2		P	P	P	P	Building connection between car model and website through Flask framework	CO 8 CO 7	PO -1 PO -9	PSO -2
3		P	P	P	P	Creating the house price models using various regression techniques (i.e Linear and Ridge Regression)	CO 7 CO 10	PO -8 PO -11	PSO 1
4		P	P	P	P	Comparison of both the house prediction models with its accuracy	CO 2	PO-2 PO -10	PSO -1
5		P	P	P	P	Further discussion on house prediction model for choosing the efficient regression model	CO 10 CO 4	PO -4 PO -11 PO -10	PSO -1
6		P	P	P	P	Preparation of PPT for 3^{rd} phase presentation of our project	CO 5 CO 9	PO -5 PO -10	PSO -1, PSO -2
7		P	P	P	P	Presented the 3^{rd} phase presentation of our project	CO 1 CO 8	PO -1 PO -5	PSO -1, PSO -2
8		P	P	P	P	Designing the front end part for house price prediction website	CO 3	PO-2 PO -12	PSO -1
9		P	P	P	P	Final testing of our prediction website and resolve errors if occurs	CO 3	PO -3 PO-5 PO -12	PSO -1
10		P	P	P	P	Preparation of PPT for 4 phase presentation of our project	CO 11	PO -12 PO -7	PSO 1
11		P	P	P	P	Presented the 4^{th} phase presentation of our project	CO 5 CO 9	PO -5 PO -10	PSO -1, PSO -2
12		P	P	P	P	Making of final project report for our project	CO 1 CO 8	PO -1 PO -5	PSO -1, PSO -2

Sign of the Supervisor

Key Milestones Table (Represent significant project progress)

Sr. No.	Phase	Completion date as per planned	Actual Completion date	Remark
1	Designing the front end part for car price prediction website			To design a front end part of the house webpage using HTML, CSS, JavaScript and Bootstrap.
2	Building connection between car model and website through Flask framework			To deploy the model; on web application through flask framework
3	Creating the house price models using various regression techniques (i.e Linear and Ridge Regression)			To build a house prediction model for both the regression model in Jupyter Notebook
4	Comparison of both the house prediction models with its accuracy			To compare both the prediction models of house with their R2 score of training and test dataset.
5	Further discussion on house prediction model for choosing the efficient regression model			To do further discussion on house model and select the efficient regression model by considering all the parameters
6	Preparation of PPT for 3^{rd} phase presentation of our project			To prepare third PPT of project by distributing the work among all the group members
7	Presented the 3^{rd} phase presentation of our project			To present the third PPT by explaining every concepts
8	Designing the front end part for house price prediction website			To design a front end part of the house webpage using HTML, CSS, JavaScript and Bootstrap
9	Final testing of our prediction website and resolve errors if occurs			To do multiple testing of the prediction website and host it on a production server prefectly
10	Preparation of PPT for 4 phase presentation of our project			To prepare fourth PPT of project by distributing the work among all the group members
11	Presented the 4^{th} phase presentation of our project			To present the fourth phase PPT by updating additional concepts of the work and

				demonstration of the model
12	Making of final project report for our project			To create a project report by considering all the concepts

MINI PROJECT WORK PROGRESS
Bachelor in Engineering in Computer Engineering
(AY - 2021-2022)

SEMESTER: VII **WEEK NO: 1**
DATE FROM: **TO:**
PROJECT PHASE: 03rd

SUMMARY OF PROGRESS ACHIEVED

Activities Planned: Designed the frontend part for our car prediction website.

Activities Executed: We have designed a basic frontend part for our website in which we have made two forms for the car price prediction model. So before designing the frontend we had roughly made designer tools for getting basic ideas then we developed it using HTML, CSS, JavaScript and Bootstrap.

Reasons for Delay, if any: N.A.

Corrective measures adopted: N.A.

Achieved Project Objective(s): Designed a partial frontend part of the house prediction website using HTML, CSS, JavaScript and Bootstrap.

References: N.A.

Guide's Remark:

Signature (Project Guide):

Team Member 1: Pooruvi Virendra Singh

Team Member 2: Aditya Subhash Kini

Team Member 3: Suraj Govind Maurya

Team Member 4: Omkar Chandrashekhar Tendolkar

MINI PROJECT WORK PROGRESS

Bachelor in Engineering in Computer Engineering
(AY - 2021-2022)

SEMESTER: VI **WEEK NO: 03**
DATE FROM: **TO:**
PROJECT PHASE: 04th

SUMMARY OF PROGRESS ACHIEVED

Activities Planned: Implementation of house predictive model for our project.

Activities Executed: In this week, we have builded the house predictive model for our project. For making this model we have retrieved the dataset from Kaggle. Also imported several libraries for applying algorithms, then we have chosen a suitable model by testing and comparing both the results. Finally, the used house predictive model is ready to use and can generate a predicted price accurately.

Reasons for Delay, if any: N.A.

Corrective measures adopted: N.A

Achieved Project Objective(s): Implemented and tested the house predictive model successfully.

References: N.A

Guide's Remark:

Signature (Project Guide):

Team Member 1: Pooruvi Virendra Singh

Team Member 2: Aditya Subhash Kini

Team Member 3: Suraj Govind Maurya

Team Member 4: Omkar Chandrashekhar Tendolkar

MINI PROJECT WORK PROGRESS
Bachelor in Engineering in Computer Engineering
(AY - 2021-2022)

SEMESTER: VI **WEEK NO: 06**
DATE FROM: **TO:**
PROJECT PHASE: 03rd

SUMMARY OF PROGRESS ACHIEVED

Activities Planned: Prepared the PPT for the 3rd phase presentation of our project.

Activities Executed: For preparing the 3rd phase presentation we have discussed the work and distributed the work among all the group members. After completion of the work they have contributed then we have started making our slides for PPT. Lastly, we managed to complete our PPT on time and mailed our PPT to the group guide for approval.

Reasons for Delay, if any: NA

Corrective measures adopted: NA

Achieved Project Objective(s): Completion of first phase presentation.

References:

1. https://towardsdatascience.com/predicting-house-prices-with-linear-regression-machine-learning-fromscratch-part-ii-47a0238aeac1
2. https://www.sciencedirect.com/science/article/pii/S1877050920316318
3. https://www.ijert.org/real-estate-price-prediction
4. https://www.analyticsvidhya.com/blog/2021/07/car-price-prediction-machine-learning-vs-deep-learning/

Guide's Remark:

Signature (Project Guide):

Team Member 1: Pooruvi Virendra Singh

Team Member 2: Aditya Subhash Kini

Team Member 3: Suraj Govind Maurya

Team Member 4: Omkar Chandrashekhar Tendolkar

MINI PROJECT WORK PROGRESS
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SEMESTER: VI **WEEK NO: 08**
DATE FROM: **TO:**
PROJECT PHASE: 04th

SUMMARY OF PROGRESS ACHIEVED

Activities Planned: Designed the frontend part for our house prediction website.

Activities Executed: We have designed a basic frontend part for our website in which we have made two forms for house price prediction model. So before designing the frontend we had roughly made designer tools for getting basic ideas then we developed it using HTML, CSS, JavaScript and Bootstrap.

Reasons for Delay, if any: N.A.

Corrective measures adopted: N.A.

Achieved Project Objective(s): Designed a partial frontend part of the house prediction website using HTML, CSS, JavaScript and Bootstrap.

References: N.A.

Guide's Remark:

Signature (Project Guide):

Team Member 1: Pooruvi Virendra Singh

Team Member 2: Aditya Subhash Kini

Team Member 3: Suraj Govind Maurya

Team Member 4: Omkar Chandrashekhar Tendolkar

MINI PROJECT WORK PROGRESS
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SEMESTER: VI **WEEK NO: 10**
DATE FROM: **TO:**
PROJECT PHASE: 04th

SUMMARY OF PROGRESS ACHIEVED

Activities Planned: Prepared the PPT for the 4th phase presentation of our project.

Activities Executed: For preparing the 4th phase presentation we have discussed the work and distributed the work among all the group members. After completion of the work they have contributed then we have started making our slides for PPT. Lastly, we managed to complete our PPT on time and mailed our PPT to the group guide for approval.

Reasons for Delay, if any: N.A.

Corrective measures adopted:

- Deliverables need to be added in our project.
- Data Flow must not be required for the selected domain.
- Modification on the PERT Chart must be done.

Achieved Project Objective(s):

References:

1. https://towardsdatascience.com/predicting-car-price-using-machine-learning-8d2df3898f16
2. https://www.irjet.net/archives/V8/i4/IRJET-V8I4278.pdf
3. https://www.turcomat.org/index.php/turkbilmat/article/download/6435/5333
4. https://www.researchgate.net/publication/344099603_Employing_Machine_Learning_for_House_Price_Prediction

Guide's Remark:

Signature (Project Guide):

Team Member 1: Pooruvi Virendra Singh

Team Member 2: Aditya Subhash Kini

Team Member 3: Suraj Govind Maurya

Team Member 4: Omkar Chandrashekhar Tendolkar

EXAMINER'S FEEDBACK FORM

Name of External examiner: _____

College of External examiner: _____

Name of Internal examiner: _____

Date of Examination: ____/ ___/

No. of students in project team:

Availability of separate lab for the project: Yes / No

Student Performance Analysis (Put Tick as per your Observation)

	Excellent (3) **Very Good (2)** **Good (1)**			
Sr. No.	**Observations**	**(3)**	**(2)**	**(1)**
1	Quality of problem and Clarity			
2	Innovativeness in solutions			
3	Cost effectiveness and Societal impact			
4	Full functioning of working model as per stated requirements			
5	Effective use of skill sets			
6	Effective use of standard engineering norms			
7	Contribution of an individual's as member or leader			
8	Clarity in written and oral communication			
9	Overall performance			

- Can major project required to add new objectives/ideas? (Yes/ No)
- If yes, suggest new Innovative Technique/Idea/ objectives related to this project.

Signature of External Examiner **Signature of Internal Examiner**