College of Engineering and Technology
Project Work/Internship – Student Hand Book

SRM INSTITUTE OF SCIENCE & TECHNOLOGY

Project Batch ID NWC070

Degree/ program	B.Tech	Specialisation	Computer Science & Engineering
Academic Year	2022-2023 (Even)	Semester	8

Name of student	Register Number	Department	Mobile Number	Email ID
RAHUL·R	RA1911031010025	CSE–IT	9663715343	Rn7935@srmist.edu.in
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Course Code	18CSP109L/ 18CSP111L/ 18CSP112L	Course Title	Project/ Internship/ Project

Mission Statement

MILAN: AN EMPLOYEE INTEL GENERATOR WITH PYPLOT, MATPLOTLIB, PANDAS, STREAMLIT

Working Title of the Project:	REAL ESTATE/LAND PRICE PREDICTION USING (ML) MACHINE LEARNING & DATASCIENCE
Project Site / Location	ONLINE
Name and address of the company / organisation (Applicable for projects with industry or industry support)	SRM IST, Kattankulathur, Chengalpattu District-603203

Supervision Team

	Supervisor	Co-Supervisor	External Supervisor (If applicable)
Name			
Designation			
Department			
Campus	Kattankulathur		
Telephone			
E-mail			

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Problem (or) Product Description: Real Estate is the most transparent industry in our society. House prices keep changing and the prices tend to be inflated. Predicting the house prices with real factors is the main work of our research project. Here we make our evaluation based on every parameter considered for determining the price. We use various regression techniques and the results are not sole determination of one technique but a weighted average of various techniques to give the most accurate results.

Assumptions and Constraints The past price trends are taken from a dataset and price prediction is done based on that.

Stakeholders   House Owners, Home Buyers, Agents/Brokers, Creditors, Investors

PROBLEM DESCRIPTION: Usually HR find it really hard to monitor employee presence, WFH, hiring, performance Insights, etc. By leveraging data analytics, organizations can gain better understanding of their workforce and identify areas of improvement. This can help them make data-driven decisions related to talent management, employee engagement. We'll be creating tools used by HR to simplify their work & be more productive.

Whatsapp Analyzer is a statistical tool designed to analyze Whatsapp chats. By parsing chat files, it creates multiple plots that reveal insightful information such as identifying the most frequently responded participant by the user.

Third tool is a resume analyzer that takes people's resumes as input & then process that data and suggests the job role that he can look for, courses he can do to improve himself in his domain. It also gives a overall resume score after analyzing the parameters.

ASSUMPTION & The resume data is taken from a real-time organization & we have
CONSTRAINTS: the attendance data for 3 months. The whatsapp chat analysis is done based on the group doc file uploaded by the user.

STAKEHOLDERS: HR, Founder/MD, Managers, Employees, Investors

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Division of work and contributors

| Time period | | Activities or components of the project | Name/Register Number of the Individual Contributor | Names/Register Number of the Joint Contributors |
From Date	To Date			
5/01/23	11/1/23	READING VARIous RESEARCH PAPERS FOR INSIGHTS	RDHVL·R RD1911031010025	
8/01/23	9/01/23	Deciding Project Title	Dev Shankar RD1911031010048	
11/01/23	12/01/23	Designing RoadMap	RDHUL·R RD1911031010025	
13/01/23	13/01/23	Identifying Scope	Dev Shankar RD1911031010048	
14/01/23	18/01/23	Identifying Abstract	RDHVL·R RD1911031010025	
18/01/23	21/01/23	Preparing Review 1 PPt	RDHVL·R RD1911031010025	
21/01/23	23/01/23	Practice Presenting PPt	Dev Shankar RD1911031010048	
26/01/23	26/01/23	Read More Papers & Prepare Literature Review	Rohul·R RD1911031010025	
30/01/23	30/01/23	Design Architecture & Block Diagram	Rohul·R RD1911031010025	
2/02/23	2/02/23	Declare Problem Statement & Solution	Dev Shankar Tripathi RD11031010048	
7/02/23	7/02/23	Utilizing Online Resources to find software	RDHVL·R RD1911031010025	
10/02/23	10/02/23	Construction of ER, Activity, Use Case Diagram	Dev Shankar Tripathi RD1111031010048	
14/02/23	14/02/23	Preparing PPt for Review 1 & Drafting it	RDHVL·R RD1911031010025	
17/02/23	17/02/23	Report Building & Diagram Implementation	RDHVL·R RD1911031010025	
24/02/23	24/03/23	Code Error Correction on Stackoverflow	RDHVL·R RD1911031010025	
26/02/23	26/02/23	Library Addition to the Code	DEV SHANKAR RD1911031010048	
3/03/23	3/03/23	meeting with guide for Project Approval	RDHVL·R RD1911031010025	
7/03/23	7/03/23	XAMPP, My SQL & Apache Implementation	RDHVL·R RD1911031010025	

| Time period | | Division of work and contributors | | |
From Date	To Date	Activities or components of the project	Name/Register Number of the Individual Contributor	Names/Register Number of the Joint Contributors
5/1/23	11/01/23	Reading Various Revised topics to come up with a Project Topic	RA1911031010025 RAHUL R	
8/1/23	9/1/23	Reading Project Title & identifying the Problem Statement	RAHUL R RA1911031010025	
12/1/23	15/1/23	Finding Novelty & Purpose as well as Application.	DEV SHANKAR TRIPATHI RA1911031010048	
25/1/23	27/1/23	Building a Working Prototype of the Presence Insight Dashboard	RAHUL R RA1911031010025	
3/2/23	6/2/23	Coding the Interface for Whatsapp Chat Analysis	RAHUL R RA1911031010025	
15/2/23	20/2/23	Coding the Interface for Smart Resume Analyser	RAHUL R RA1911031010025	
25/2/23	27/2/23	Collecting Presence Data from the Startup	RAHUL R RA1911031010025	

10/3/23 15/3/23 Collecting Chat Data from Whatsapp Group Chat DEV SHANKAR TRIPATHI RA1911031010048

20/3/23 25/3/23 Drafting a Sample Resume for Resume Analyser RAHUL R RA1911031010025

1/4/23 1/4/23 Research Paper Drafting RAHUL R RA1911031010025

6/4/23 10/4/23 Checking the Plagiarism & rewriting the Copy DEV SHANKAR TRIPATHI RA1911031010048

20/4/23 25/4/23 Building the Project Record RAHUL R RA1911031010025

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Summary record of major progress meetings with supervisors

Summary record of major progress meetings with supervisors * Met guide three every month and reported the progress			Working title of dissertation/research project: Interactive & Conversational Environment for the Environment Intial Generation with Real Time Interaction	
Meeting date & supervisors present	**Progress since last meeting**	**Agreed programme of work and target dates**	**Other issues, e.g. facilities, supervision, training needs, etc.**	**Date of next meeting**
5, 6th Jan 2023 ms Meenakshi	Decided the Topic & Built the Application Overcome of the Project	25/01/23 - Finished the mentioned assignment	- Felt difficulty in finding the Novelty for the Project	11th Feb 2023
17th Feb 2023 ms Meenakshi	Worked on the Problem statement & Derived a solution in the form of project	25/02/23 - Come up with project integration & merged into a single paper	- It was really hard to integrate the 3 tasks together into one	18th march 2023
18th march ms Meenakshi	Built a working prototype and presented to guide for approval	23/03/23 - Fixed the Bugs and the Errors	- Debugging process was really intense & Tiring	5th April 2023

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Meeting date & supervisors present	Progress since last meeting	Agreed programme of work and target dates	Other issues, e.g. facilities, supervision, training needs, etc.	Date of next meeting
5th April 2023	Starting Building & Drafting the Project Report, checked the logarism, Applied for the conference for the research papers	26th April 2023	Applied for many conference, rejected in some, accepted the paper in 1crot SRM	20th April

Summary record of major progress meetings with supervisors

Summary record of major progress meetings with supervisors			Working title of dissertation/research project:	
Meeting date & supervisors present	Progress since last meeting	Agreed programme of work and target dates	Other issues, e.g. facilities, supervision, training needs, etc.	Date of next meeting
27th April mrs Meenakshi	Presented the paper at a conference & won the Best Paper Award	28th April 2023	- Fixed the References idea & the Literature Survey in the Report	8th May

Worksheet / Data collection / Observation etc

P – Present

P2 – Paid leave

SL – Sick leave

HPL – Half Paid leave

HSL – Half Day Sick leave

WFH – Work from Home

Ask clients the Right Questions
- Ask their long term plans and align your solutions accordingly

understand the Working Preference of People

→ Work from Office

→ Work from Home

• Better Capacity Planning, Better Utilisation of Resources if the Working pattern is known

• To know the % of sick leave in a day

When you are excluding, transforming data, always think of a dynamic way, so that it'll work with new Data.

CREATING METRICS

metrics – They are a quantitatively measurement tool that helps to make decision

DASHBOARDING

• DAX is a query expression Tool in PowerBI.

1. Where to place your most important Insights in the Dashboard.
2. Good Insights Report should lead the Stakeholders to ask more "Why"?
3. Copy paste visuals and alter them to Boost your productivity

Real Time Business Needs

* Sending alerts – Can be set up from cloud
• Automatic Data Refresh – Can retrieve data from google sheets
* Setting Security levels for Data – Dashboards from cloud.

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* Sending Alerts - Can be set up from
* Automatic Data Reload

Journal Publication Details

INTERNATIONAL CONFERENCE ON INTERNET OF THINGS 2023
(IC IoT'23)   — 27th April 2023

* Paper presented, paid 5k and registered.

* Received Best Paper Award on that particular session.

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