



BMSINSTITUTE OF TECHNOLOGY & MANAGEMENT

(An Autonomous Institution affiliated to VTU, Belagavi)
Yelahanka, Bengaluru

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING**

**V Semester
Mini Project (BAI506)**

PROJECT WORK DIARY

2022 SCHEME

Academic Year 2024-25

TITLE OF THE PROJECT: “IOT AND ML-DRIVEN WATER FORENSICS FOR ILLEGAL DUMPING DETECTION”

In House Project / Industry Project: In House Project

Name of the Industry: (if applicable)

Name of the Guide: Dr. Manoj HM

STUDENT DETAILS:

SL. NO.	USN	NAME OF THE STUDENT	EMAIL ID	MOBILE NUMBER
1	1BY22AI098	SIRI MANJUNATH	1by22ai098@bmsit.in	6361698266
2	1BY22AI099	SMRITI	1by22ai099@bmsit.in	7389296975
3	1BY22AI100	SONALI KUMARI	1by22ai100@bmsit.in	8409888928
4	1BY22AI110	TISHA SAKLECHA	1by22ai110@bmsit.in	9008433416

Instructions:

1. Each team should have a copy of the project diary.
2. The team must report to their guide every week and update the progress.
3. Each team will maintain a record of their meetings in the Project diary.
4. Each team must publish their work in a reputed conference / journal indexed in Scopus / Web of Science.
5. Project report must be prepared using latex.
6. Every report and research paper should be checked through *turnitin* Plagiarism tool. (Must be less than 20%)

Rubrics for Mini Project (V Semester)

Review 1: Literature Survey, Problem Identification, Objectives and Methodology Evaluation (40 marks)

Review 2: Methodology, Implementation, Results, Discussion, Conclusions and Report evaluation (60 marks)

Total Maximum Marks is 100. The obtained marks will be reduced to 50 marks which will be the CIE marks.

Marks distribution for Review 1 – 40 Marks (Evaluated jointly by a committee comprising Guide and other designated members)				
Parameters	Allocated Marks	HIGH	MEDIUM	LOW
Literature Survey & Relevance to Present Context	12	An extensive literature survey was conducted and collected a good information about the existing system. (9-12)	A moderate literature survey was made and collected some basic information about the existing system. (4-8)	Inadequate literature survey was made and not collected basic information about the existing system. (0-3)
Problem Identification & Objectives	12	Detailed and extensive explanation of the purpose and need of the Project. (9-12)	Brief explanation of the purpose and need of the project. (4-8)	Problem Identification is not clear. (0-3)
Proposed Methodology & Expected Outcomes	8	Detailed explanation of the proposed methodology and expected outcomes are well defined (6-8)	Brief explanation of proposed methodology and expected outcomes not well defined. (3-5)	Methodology & outcomes are not defined. (0-2)
Presentation Skills	8	Contents of the presentations are appropriate and well delivered. (6-8)	Contents of the presentations are appropriate but not well delivered. (3-5)	Contents of the presentations are not appropriate and not well delivered. (0-2)

Marksdistribution for Review 2 – 60 Marks
(Evaluated jointly by a committee comprising Guide and other designated members)

Parameters	Allocated Marks	HIGH	MEDIUM	LOW
Methodology (Theoretical analysis/ Experimental observations/ Fabrication / Testing)	12	Implementation methodology of each of the objectives are very well defined. Well planned methodology. (9-12)	Implementation methodology of each of the objectives are moderately done. Moderately planned methodology. (4-8)	The defined objectives are not implemented properly. Poor planning was observed. (0-3)
Results, Discussions and Conclusions	12	All the results obtained are well presented and discussed. The conclusions drawn are justifiable. (9-12)	All the results obtained are moderately presented and discussed. The conclusions drawn are moderately justifiable. (4-8)	Poor presentation of the results. Discussion was not proper, and conclusions are not valid. (0-3)
Presentation Skills and Viva Voce	8	Contents of the presentations are appropriate and well delivered. (6-8)	Contents of the presentations are appropriate but not well delivered. (3-5)	Contents of the presentations are not appropriate and not well delivered. (0-2)
Report	8	The report is structured and well prepared as per format. (6-8)	The report is not well structured, but as per format. (3-5)	Report is not well structured and not as per format (0-2)
Ethics	8	Project bibliography was complete and flawlessly formatted. All sources were cited in the presentation. Reports to the guide regularly and consistent in work.	Project bibliography was moderate and not properly formatted. A few of the sources were only cited during the presentation. Not very regular but consistent at the work.	Project bibliography was incomplete. None of the sources were cited during the presentation. Irregular attendance and inconsistency at work. (0-2)

		(6-8)	(3-5)	
Working in a group	8	Collaborates and communicates well in a group situation and integrates the views of others. (6-8)	Exchanges some views but requires guidance to collaborate with others. (3-5)	Make little or no attempt to collaborate in a group situation. (0-2)
Research Publications	4	Paper accepted/ published (3-4)	Paper submitted (1-2)	Not prepared and Not submitted paper (0)

Rubrics for Mini Project SEE Evaluation: 100 Marks

Marks distribution for Internal and External Examiners				
Parameters	Allocated Marks	HIGH	MEDIUM	LOW
Literature Survey & Relevance to Present Context	10	An extensive literature survey was conducted and collected a good information about the existing system. (8-10)	A moderate literature survey was made and collected some basic information about the existing system. (4-7)	Inadequate literature survey was made and not collected basic information about the existing system. (0-3)
Problem Identification & Objectives	10	Detailed and extensive explanation of the purpose and need of the Project. (8-10)	Brief explanation of the purpose and need of the project. (4-7)	Problem Identification is not clear. (0-3)
Methodology (Theoretical analysis/ Experimental observations/ Fabrication / Testing)	20	Implementation methodology of each of the objectives are very well defined. Well planned methodology. (15-20)	Implementation methodology of each of the objectives are moderately done. Moderately planned methodology. (8-14)	The defined objectives are not implemented properly. Poor planning was observed. (0-7)
Results, Discussions and Conclusions	20	All the results obtained are well presented and discussed. The conclusions drawn are justifiable. (15-20)	All the results obtained are moderately presented and discussed. The conclusions drawn are moderately justifiable. (8-14)	Poor presentation of the results. Discussion was not proper, and conclusions are not valid. (0-7)

Presentation Skills and Viva Voce	10	Contents of the presentations are appropriate and well delivered. (8-10)	Contents of the presentations are appropriate but not well delivered. (4-7)	Contents of the presentations are not appropriate and not well delivered. (0-3)
Report	25	Report is structured and well prepared as per format (20-25)	Report is not well structured, but as per format at (10-19)	Report is not well structured and not as per format (0-9)
Research Publications	5	Paper accepted/ published (3-5)	Paper submitted (1-2)	Not prepared and Not submitted paper (0)

Declaration by the Student:

We have read all the Instructions, and the Evaluation rubrics related to Project work Phase I and Project work Phase II. We will be meeting the Guide every week to update the progress of the project. We will adhere to all the submissions deadlines related to the project work.

Name and signature of the students with the date:

1. SIRI MANJUNATH
2. SMRITI
3. SONALI KUMARI
4. TISHA SAKLECHA

Name and Signature of the Project guide with date: Dr. Manoj HM

WEEKLYINTERACTION OF THE STUDENTS WITH THE GUIDE

Date of the Meeting	Summary of Discussions	Signature of the Guide

Date of the Meeting	Summary of Discussions	Signature of the Guide

MINI PROJECT, REVIEW 1 - EVALUATION SHEET

USN	Student Name	LiteratureSurvey &Relevanceto Present Context (12 Marks)	ProblemIdentification&Objectives (12 Marks)	Proposed Methodology& Expected Outcomes (8 Marks)	PresentationSkills (8 Marks)	TOTAL MARKS (40 Marks)
1BY22AI098	SIRI MANJUNATH					
1BY22AI099	SMRITI					
1BY22AI100	SONALI KUMARI					
1BY22AI110	TISHA SAKLECHA					

Remarks by the Committee members

Name and Signature of the committee members with date:

Guide

Evaluator 1

Evaluator 2

Evaluator 3

Signature of the HoD with date

MINI PROJECT, REVIEW 2 - EVALUATION SHEET

USN	Student Name	Methodology (12 Marks)	Results, Discussions and Conclusions (12 Marks)	PresentationSkills and Viva Voce (8 Marks)	Report (8 Marks)	Ethics (8 Marks)	Working in a group (8 Marks)	Research Publication (4 marks)	TOTAL MARKS (60 Marks)
1BY22AI098	SIRI MANJUNATH								
1BY22AI099	SMRITI								
1BY22AI100	SONALI KUMARI								
1BY22AI110	TISHA SAKLECHA								

Remarks by the Committee members

Name and Signature of the committee members with date:

Guide

Evaluator 1

Evaluator 2

Evaluator 3

Signature of the HoD with date

MINI PROJECT - CONSOLIDATED CIE MARKS

USN	Student Name	TOTAL MARKS (Review 1 + Review 2) (100 Marks)	Final CIE Marks (50)	Signature of the Student with date
1BY22AI098	SIRI MANJUNATH			
1BY22AI099	SMRITI			
1BY22AI100	SONALI KUMARI			
1BY22AI110	TISHA SAKLECHA			

Name and Signature of the committee members with date:

Guide

Evaluator 1

Evaluator 2

Evaluator 3

Signature of the HoD with date