

# Project Progress Report on

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**TITLE**

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**Submitted in partial fulfilment of the requirement for the award of the degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE & ENGINEERING (Write Appropriate Program Name)**

**Submitted by:**

**Student Name 1**

**University Roll No.**

**Student Name 2**

**University Roll No.**

**Student Name 2**

**University Roll No.**

**Student Name 2**

**University Roll No.**

*Under the Guidance of*

**Guide Name**

**Designation**

**Project Team ID: ID No.**

**Project Progress Report No: 1**



**Department of Computer Science and Engineering  
Graphic Era (Deemed to be University)  
Dehradun, Uttarakhand  
2023-24**



## CANDIDATE'S DECLARATION

I/We hereby certify that the work which is being presented in the project progress report entitled “**Title of the project**” in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in Computer Science and Engineering (**Write Appropriate Program Name**) in the Department of Computer Science and Engineering of the Graphic Era (Deemed to be University), Dehradun shall be carried out by the undersigned under the supervision of **Guide Name, Designation**, Department of Computer Science and Engineering, Graphic Era (Deemed to be University), Dehradun.

Name1	University Roll no1	signature
Name2	University Roll no2	signature
Name3	University Rollno3	signature
Name4	University Roll no4	signature

The above mentioned students shall be working under the supervision of the undersigned on the “**Title of the project**”

**Supervisor**

**Head of the Department**

### **Examination**

**Name of the Examiners:**

**Signature with Date**

- 1.
- 2.

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# Chapter 1

## Introduction and Problem Statement

(2 to 3 pages)

In the following sections, a brief introduction and the problem statement for the work has been included.

### 1.1 Introduction

As estimated by John et al. in [1], .....The detailed review of related techniques has been given in [2, 3].

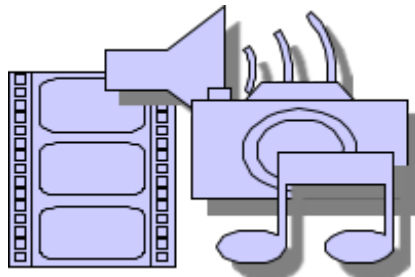


Figure 1.1 Wrapper method for feature selection

### 1.2 Problem Statement

The problem statement for the present work can be stated as follows:

.....

## **Chapter 2**

### **Objectives**

The proposed work objectives are as follows:

**3 to 5 Objectives in pointwise**

**(1 page)**

## Chapter 3

### Project Work Carried Out

This section may include architectural design of the project, implementation of any objectives, pseudo code/ algorithms, discussion of the results, etc.

**Table 3.1** Pseudo code of the ABC algorithm

```
Input.  
D- the dataset, k-the number of clusters and  $\alpha$ -the fuzzifier  
  
begin  
1. Initialize Z by choosing k points from D randomly;  
2. Initialize W with  $w_{jh} = \frac{1}{d}$  ( $1 \leq j \leq k, 1 \leq h \leq d$ );  
3. Estimate U from initial values of W and Z according to Eq. 2.7.  
4. Let error = 1 and Obj =  $E_{\alpha,\epsilon}(W,Z)$ ;  
5. while error > 0 do  
6.   Update Z according to Eq. 2.6 ;  
7.   Update W according to Eq. 2.5;  
8.   Update U according to Eq. 2.7;  
9.   Calculate NewObj =  $E_{\alpha,\epsilon}(W,Z)$ ;  
10.  Let error = |NewObj – Obj|, and then Obj <= NewObj  
11. end while  
12. Output W, Z and U  
End
```

$$RMSE = \sqrt{\frac{(p_1 - q_1)^2 + \dots + (p_n - q_n)^2}{n}} \quad (3.1)$$

## Chapter 4

### Future Work Plan

The future work plan of our project are as follows:

Sl. No.	Work Description	Duration in Days

## Chapter 5

### Weekly Task

The report of project work allocated by the supervisor is as follows:

<b>Week No.</b>	<b>Date: From-To</b>	<b>Work Allocated</b>	<b>Work Completed (Yes/No)</b>	<b>Remarks</b>	<b>Guide Signature</b>
1					
2					
3					
4					
5					
<i>Add rows, if required</i>					

## Chapter 6

### Details of Major Project Research Paper

1.	<b>Project Team ID</b>	
2.	<b>Name of Supervisor</b>	
3.	<b>Title of the paper</b>	
4.	<b>Authors Name</b>	1. 2. 3. 4. 5. 6.
5.	<b>Percentage of plagiarism (Check in Turnitin, 10 words)</b>	
6.	<b>Status of the research paper (Project supervisor has to mark the appropriate one)</b>	<input type="checkbox"/> Published/ Presented  <input type="checkbox"/> Registered for conference  <input type="checkbox"/> Accepted  <input type="checkbox"/> Communicated  <input type="checkbox"/> Not-Communicated
7.	<b>Scopus Indexed (mark the appropriate one)</b>	<input type="checkbox"/> Journal  <input type="checkbox"/> Conference
Signature of students		Signature of Supervisor

**Note: Attach the necessary proof of the research paper published/presented/accepted**

## **References**

- [1] N. K. Kanhere and S. T. Birchfield, "Real-time incremental segmentation and tracking of vehicles at low camera angles using stable features," *IEEE Trans. Intell. Transp. Syst.*, vol. 9, no. 1, pp.148-160, March 2008 **(Example : Journal papers)**
- [2] K. Onoguchi, "Moving object detection using a cross correlation between a short accumulated histogram and a long accumulated histogram", Proc. 18th Int. Conf. on Pattern Recognition, Hong Kong, August 20 - 24, 2006, vol. 4, pp. 896 – 899 **(Example : Conference papers)**
- [3] T. H. Cormen, C. E. Leiserson, R. L. Rivest and C. Stein, "Introduction to Algorithms", 2nd ed., The MIT Press, McGraw-Hill Book Company, 2001 **(Example : Text Book/ Magazine)**
- [4] Open Source Computer Vision (OpenCV) [Online]. Accessed on 21st April 2022: <http://opencv.willowgarage.com/wiki/> **(Example : Website)**