

# Major Project 20XX

## Title of The Project

### Project Report

submitted in partial fulfillment of the  
requirements for the award of

BACHELOR OF TECHNOLOGY

Submitted by

XXX Sharma - 1950XX  
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Under the guidance of

Dr. xxxx xxxx



Department of Computer Science & Engineering  
National Institute of Technology Hamirpur  
Hamirpur, India-177005

20XX

**Title  
of  
The Project**



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## Candidate's Declaration

We hereby declare that our work submitted in the partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology** in the Department of Computer Science and Engineering of the National Institute of Technology Hamirpur, titled as "**Title of the project**" is an record of our work carried out during the **VIII Semester** from January 20XX to May 20XX under the guidance of **Dr. xxxx xxxx**, Assistant Professor, DoCSE, NIT Hamirpur.

The matter presented in this report has not been submitted by us for the award of any other degree of this or any other Institute/University.

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XXXX SHarma - 1950XX

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Ravi XXXX - 1951XX

This is to certify that the above statement made by the candidates is true to the best of my knowledge and belief.

Date: May 18, 2023

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Dr. xxxx xxxx  
Assistant Professor

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Convener, DBPC

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Head, DoCSE

# Acknowledgement

We would like to start by expressing our sincerest gratitude to our Project supervisor **Dr. xxxx xxxx**, Assistant Professor, Department of Computer Science at the National Institute of Technology Hamirpur, for her expertise, guidance, and enthusiastic involvement during our coursework.

We are highly obliged to faculty members of the Computer Science and Engineering Department because without their valuable insights and constructive opinions during evaluations, our project would not have yielded the significant results and led us to explore a myriad of use cases that we have put forward in this report.

We express our special thanks to our parents for their encouragement, constant moral Support, and to our friends and colleagues for being inquisitive and supportive during the course of this project.

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# Abstract

*Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.*

*It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).*

This project's contributions are twofold.:

1. ....
2. ....

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## Keywords

keywords, keywords, keywords

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# Introduction

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## 1.1 Heading ?

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Given the vast amount of data present in the digital domain, it is imperative to devise machine learning procedures that can effectively condense lengthy texts and generate precise summaries that effectively express the desired messages.

- ....
- ....
- ....

## 1.3 Heading ?

### 1.3.1 SubHeading ?

### 1.3.2 SubHeading ?

### 1.3.3 SubHeading ?

Original text:<sup>1</sup>

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<sup>1</sup><https://turbolab.in/types-of-text-summarization-extractive-and-abstractive-summarization-basics/>



*China's Huawei overtook Samsung Electronics as the world's biggest seller of mobile phones in the second quarter of 2020, shipping 55.8 million devices compared to Samsung's 53.7 million, according to data from research firm Canalys. While Huawei's sales fell 5 per cent from the same quarter a year earlier, South Korea's Samsung posted a bigger drop of 30 per cent, owing to disruption from the coronavirus in key markets such as Brazil, the United States and Europe, Canalys said. Huawei's overseas shipments fell 27 per cent in Q2 from a year earlier, but the company increased its dominance of the China market which has been faster to recover from COVID-19 and where it now sells over 70 per cent of its phones. "Our business has demonstrated exceptional resilience in these difficult times," a Huawei spokesman said. "Amidst a period of unprecedented global economic slowdown and challenges, we're continued to grow and further our leadership position." Nevertheless, Huawei's position as number one seller may prove short-lived once other markets recover given it is mainly due to economic disruption, a senior Huawei employee with knowledge of the matter told Reuters. Apple is due to release its Q2 iPhone shipment data on Friday.*

Figure 1.1: Text

*While Huawei's sales fell 5 per cent from the same quarter a year earlier, South Korea's Samsung posted a bigger drop of 30 per cent, owing to disruption from the coronavirus in key markets such as Brazil, the United States and Europe, Canalys said. Huawei's overseas shipments fell 27 per cent in Q2 from a year earlier, but the company increased its dominance of the China market which has been faster to recover from COVID-19 and where it now sells over 70 per cent of its phones.*

Figure 1.2: Text

*Huawei overtakes Samsung as world's biggest seller of mobile phones in the second quarter of 2020. Sales of Huawei's 55.8 million devices compared to 53.7 million for south Korea's Samsung. Shipments overseas fell 27 per cent in Q2 from a year earlier, but company increased its dominance of the china market. Position as number one seller may prove short-lived once other markets recover, a senior Huawei employee says.*

Figure 1.3: Text

Function :

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End Function

	ROUGE-1	ROUGE-2	ROUGE-3
F1	0.111	0.111	0.111
Precision	0.125	0.125	0.125
Recall	0.099	0.099	0.099

Table 1.1: Results

<b>Approach</b>	<b>Score</b>
Probability	23.69
Approach	24.30
Approach	25.26
Approach	25.76
Approach	30.18
Approach	18.56

Table 1.2: Results

$$Precision = \frac{S_{reference} \cap S_{candidate}}{S_{candidate}}$$

$$Recall = \frac{S_{reference} \cap S_{candidate}}{S_{reference}}$$

$$F - Score = \frac{2 * Precision * Recall}{Precision + Recall}$$

# Introduction

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# References

- [1] D. Patel, S. Shah, and H. Chhinkaniwala, Fuzzy logic based multi document summarization with improved sentence scoring and redundancy removal technique, *Expert Systems with Applications*, 134:167-177, 2019.

