

# Title of your project

Project proposal / Midterm Report / Final Report

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- Feel free to comment out the instructions in your reports and empty sections by enclosing them within “\cut{...}’.
- If you are referring to any previous work, you need to cite like this [?].

## 1 Introduction

proposal: include  
midterm: update  
final: update

- Motivation of the problem with practical examples – why the problem is interesting and important.
- (Briefly) What previous approaches have done.
- Overview of what you plan to do (in the proposal) or have done (midterm/final report).
- How your solutions are novel, useful, and technically interesting.

## 2 Related Work

proposal: include  
midterm: update  
final: update

- A survey of related work on all aspects of the problem.
- How your problem and the solutions (would) differ from them.

## 3 Problem Definition

proposal: include  
midterm: update  
final: update

- Explain all the notations you will be using.
- Include reviews of background material.
- Give a formal definition of your problem.

## 4 Algorithms/Our Results

midterm: include  
final: update

- Technical contributions of your project.
- Include theorems, lemmas, algorithms, proofs, running time discussion.

## 5 Implementation or System

midterm: include  
final: update

- Description of your system or prototype (unless your project is a theoretical one).
- Describe the architecture with a diagram.
- Explain the components.

## 6 Experiments

midterm: include

final: update

- Detailed experiments (unless your project is a theoretical one).
- The machine configuration where you ran your experiments.
- Datasets, no. of tuples, no. of attributes, size, what they store (add references).
- Performance (vary all parameters).
- Qualitative Evaluation (whether the system returns meaningful results).
- Comparison with other prior approaches.

- Midterm:

- Final:

### 2. Author-2

- Midterm:

- Final:

### 3. Author-3

- Midterm:

- Final:

## 7 Observations

final: include

- Observations from your project.

## 8 Future Work and Conclusions

final: include

- Scope of future work for your project.

## 9 Contributions of Project Members

midterm: include

final: update

- Write down the contributions of each member here.

### 1. Author-1