

BY

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# How to do a Research Proposal?

Front Cover

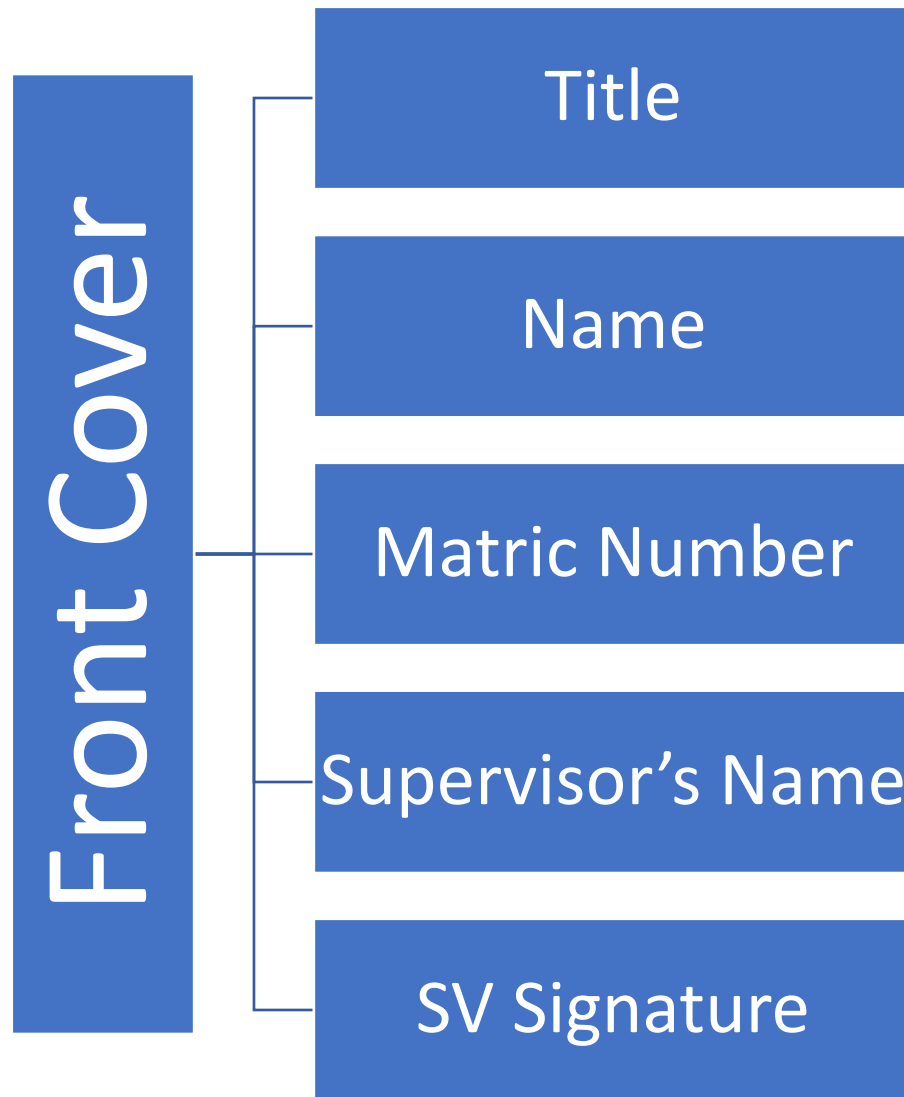
Introduction

Literature  
Review

Methodology

Expected /  
Preliminary  
Result

References



# INTRODUCTION

## Background

- Brief history of research topic. Emergence and evolution of the topic.

## Problem Statement

- Issue to be solved. Vision on the topic

## Research Objective

- Closely relate to problem statement. State the expected outcome. What to be achieved.

## Research Scope

- Area explored and parameters

## Significance of Studies

- The importance of the study.

# LITERATURE REVIEW

## Previous Research

- Focus on specific topic of interest

## Findings and Unanswered Questions

- Table of comparison

## Reprise your research question(s)

- Relate to your research question. What can be done from the finding to answer the questions

# METHODOLOGY

## Approach

- Experimental based
- Simulation based (FEA, FEM, etc..)

## Analytic Techniques

- Steps in analysing the works (Example : Signal processing)
- Design of Experiment

## Planning

- Gantt Chart

# EXPECTED RESULT & REFERENCES

- ❖ Expected result linked with objective
- ❖ What to be expected? An increment? A reduction?
- ❖ Reference – Better to be 50% of the paper are 5 years recent paper. 2016-2020
- ❖ Reference Harvard style