

Required Component of the Project Proposal

Proposal report of the project in EE5305 Sensors and Transducers should contain following components

- Title page
- Abstract
- Table of contents
- Acronyms
- List of Tables
- List of Figures
- Introduction
- Background
- Problem Statement
- Objectives and Scope
- Literature Review
- Methodology
- Preliminary Results
- Work Plan and Budget
- Significance and Implication of the Project
- References
- Appendix

Title

- Project title (brief, descriptive and attractive)
- Names and registration numbers of student researchers
- Degree program
- Department and Institute
- Name of the project supervisor/co-supervisor

Abstract

Outline the essence of the project in 100-200 words. It should contain followings,

- Motivation and purpose of the project
- Statement of the problem
- Methodology
- Expected outcomes

Introduction

Provides background information of the project (what and why),

- Structured from general information to focused area (your project question/s)
- Target general science audience rather than expert audience
- Include a brief review of most relevant literature or knowledge in the field to highlight the gaps in the existing knowledge

Problem Statement (what exactly),

- Clear description of the specific problem that you are going to solve.
- Usually a few sentences in statement and/or question form

Objectives and Scope of the project (what exactly)

- List of goals that you are going to achieve
- List limits, boundaries of the project in technical terms (what you will not be doing)

Overview of the sections that will appear in your proposal (optional)

Literature Review

Details of the previous work, strength and weaknesses of the previous work,

- what is known?
- why your work is still necessary?

Details of the theoretical concepts directly related to your work

Methodology

How do you achieve your proposed objectives?

- Methods ,materials, procedures, tasks and logical steps
 - What to do?
 - How do you plan?

Preliminary Results

List all preliminary results that you may already have,

- Relate the previous results to your intended project work

Work Plan and Budget

Work Plan (spread sheet or tabular format),

- Time line (deadlines)
- Expected outcomes
- Responsible person
- Identified challenges

Budget

- Expected expenses

Significance and Implication of the Project

- List expected outcomes
 - Relate the expected outcome to the original objectives expressed in the introduction

References

List all the recourses (papers, websites, reports etc) cited in your proposal

- Do not list anything that you have not referred in the proposal
- Use IEEE reference style

Appendix

Include materials that are too details to include in the main report.

- Detailed technical drawings
- Mathematical derivations
- Data Sets
- Codes
- Questionnaires