***Project Name***

Proposal, Technical Project

to be presented on *[presentation date]*

***[Unit name]***

***[Student Name(s)]***

***[Contact email]****(Include just one corresponding e-mail)*

Advisor: XXXXX

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# Introduction

*In recent years, as the computing power and the amount of available finance data rises remarkably, there has been a significant growth of interest in the incorporation of historical series of variables related to stock prediction into deep learning techniques in order to produce highly accurate predictions or indications about expected price movements. However, completely understand complex stock markets demand a comprehensive analysis of the variables which requires wide-range of domain knowledge in finance.*

## Problem STATEMENT [you can modify the table]

|  |  |
| --- | --- |
| Element | Description |
| The problem of ... | Describe the problem |
| Affects ... | Identify stakeholders affected by the problem |
| And results in ... | Describe the impact of this problem on stakeholders and business activity |
| Benefits of a solution ... | Indicate the proposed solution and list a few key benefits |

## Background

*[Describe the background information about the project, including the description of the current solutions and the problems you have discovered.]*

## Needs STATEMENT

*[State short-comings apparent in current organization or system to be addressed by the project.]*

## OBJECTIVE

*[Identify changes desired to be seen upon completion of effort.]*

# Proposed TECHNICAL APPROACH

*[Define clearly a well thought-out and solid technical plan for applying information technology to the proposed project. This section should include a description of the methodology to be used to complete the project, a specific plan for gathering requirements, an architecture design, best practice for implementation, and quality assurance.]*

## Requirements

*[Present the requirements as understood at this time through contacts with the stakeholder. Include a high-level diagram such as a use case system diagram or block diagram to capture the situation being addressed.]*

## Architecture Design

*[Explain the technology to be used in the project. Describe hardware, software, or network components as relevant and as understood at this time. Draw a high-level architecture diagram to illustrate the proposed system components and the relationships between them. ]*

*[OPTIONAL CONTENT: Include an as-is system or block diagram.]*

## Implementation DESIGN

*[Describe your methodology for implementation.]*

*[OPTIONAL CONTENT: Include a best-practice approach to be followed.]*

## Quality Assurance Plan

*[Describe the potential risks related to the software quality. Provide the project management plan to enable quality. Describe the salient, planned testing considerations.]*

*[OPTIONAL CONTENT: Include any analysis plan for usability and acceptance testing.]*

# Expected Project Results

[List deliverables expected to be produced for the project, for the CIS Department, and for the stakeholder.]

[OPTIONAL CONTENT: Identification of any currently operational aspects of the project and how the behavior would change.]

*[OPTIONAL CONTENT: Itemize expected, measurable results of the effort.]*

## MEASURES of SUCCESS

*[Describe an assessment plan to identify the degree of achievement obtained by the operation of the project. List a measure, its relevancy to the organization, its current value, and its projected improved value. A measure should also correspond to the stated objectives of the project.]*

# Schedule

*[Attach schedule, a Gantt chart or time-table would be preferred.]*

# Referenes

*[include your references]*