Block chain mini thesis

Length: 8000-10000

Structure:

* Cover Page:
* Table of Content:
* Short Abstract (500):
  + General intro: research topic, fake news, why a problem
  + Better research techniques (blockchain and ML)
  + Context, Purpose, Proposed Technique (type e.g text)
* Introduction (1000):
  + Details of abstract
  + Brief Background
  + Current research works
  + What are the techniques? Brief intro
  + Based on the observation, purpose of this thesis
* Background (1500):
  + Techniques discussion
  + Drawbacks, disadvantages
  + Hypothesis of solution from the existing ones
* Motivation (1500):
  + Based on background info, intro, related background works
  + Identify the problems of existing works
  + Why this is a problem
  + Purpose and motivation for the project
  + Big picture of the project
* Related Work (1500):
  + Literature review (small scale, identified techniques)
* Methodology (1500):
  + Research proposal with step by step description
  + Analyze and critically think about the existing solution
  + Analyze the feasibility of proposal
  + New themes and improved techniques
  + Existing technique and improved techniques, whole context
  + How to store data in the block chain, mention existing techniques with technical details
  + How to classify? mention existing techniques with technical details
  + Double check and compare the confidence scores of classification, existing vs new data, accuracy
* Problem Analysis, Assumption, statement (1000):
  + Clearly indicate and define the problem
  + Problem domain, steps, possible structure, features, aspects
  + such as text based fake news, dataset
  + Evaluation
* Results, Evaluation & Discussion (1000):
  + Analyze the proposed methods in problem context
  + Satisfy the assumptions
  + Why this model? Improve What? Effectiveness or what? Why? Purpose of improvement?
  + Feasibility: is it possible to implement? Cost? Environment? Where to deploy, evaluate? Can it be in production? Or just prototype? Availability?
  + Research plan? What are going to do next? Implementation plan, build prototype, sample data (what kind of data, where to get, environment) to evaluate, evaluation metrics (precision, recall, ROC, AUC, p-Value), analyze, compare the model with existing techniques, conclude
  + expected research outcome
* Conclusion (500):
  + Summary of the report
  + Findings, future plan
* References:
  + Harvard Style
* Poster (PDF):
  + Any template
  + Name, organization, supervisor
  + Three rows/columns to display content, diagrams, images
    - Background, brief intro, problem
    - What problems we are going to solve, diagram and indicate solution
    - Results, how can it can improve existing techniques
* Power point Slide:
  + Based on the poster
  + Voice over
  + 3 minutes
  + 6-7 slides, pictures, diagrams