**WRITE-UP**

**[LaTeX; 5 – 7 pages of content minus reference]**

**Cover Pages:** Title (not more than 20-25 words), university, date, reg no., date.

**Abstract**: 0.5 pages

* + Background: [1-2 sentences]
  + Research problem (manual process, time inefficient, compute inefficient, etc.) – [1-2 sentences]
  + Proposal (we intend to, we propose to, etc.) – clearly stating the data science model, metrics [3 lines]
  + What are expected outcomes (do not explicitly state the results) [2 lines]

**Introduction** [2.5 pages]

* Background (0.75 pages) [funnel structure, broad to narrow ideas]
* Research Problem (0.5 pages)
* Research Objective [3-4, research objectives] (0.25 pages); to develop, to formulate, etc.
* Significance and Justification (0.5 pages)

**Literature Review** (broad to narrow ideas) [2 pages]

* Describe 10-15 state of the art recent (2020-2025) scientific literature.
  + Problem statement
  + Methodology
  + Results
  + Impact/relevance of the work
* Scientific gap
  + From the literature review synthesis, describe (all) the lines of research that can be pursued; including what you would like to pursue.

**Methodology** [1.5 pages]

* Propose the CRISP-DM method [we intend to, we propose to, etc.]
  + Data understanding
  + Data collection
  + Data cleaning
  + Data science or machine learning modelling [include the design or workflow]
    - Put more emphasis here [compelling model workflow]; including equations.
  + Performance evaluation
  + Deployment [include the design or workflow]

**Expected Outcomes** [0.5 pages]

**References** (APA format)

**PRESENTATION SLIDES**

* Not more than 15 slides (LaTex – Beamer slides) - <https://www.overleaf.com/learn/latex/Beamer>; with references integrated
  + Cover slides (title, names of student, student reg. No., names supervisors, dates)
  + Introduction [3 slides]
  + Literature Review [5 slides]
  + Methodology [4 slides]
  + Expected Outcomes [1 slide]