CHAPTER III

TECHNICAL BACKGROUND

Include introductory sentence here which explains what the readers should expect about the content of your Chapter II Review of Related Literature/Studies. Minimum of at least 3 sentences.

Methodology

The methodology chapter (Chapter III) of a capstone paper outlines the procedures and techniques used to gather and analyze data for your research.

■ Black (applicable to all tracks)
■ Green (applicable to SM track)
■ Red (applicable to Web and Mobile track)
■ Blue(applicable to Business Analytics track)

Software Development Methodology / Project Methodology / Methodology for Analytics

It includes a description of the software development methodology that was applied to the project, along with a rundown of all the procedures and tasks involved in the software development process. Following are list of some project methodologies you can use:

> *Agile Development Methodology e.g. Kanban, Scrum, Scrum ban*
>
> *Rapid Application Development Methodology*
>
> *DevOps*
>
> *Hybrid Models*
>
> *Other/s*

***Note** to discuss each phase which explain what the actions are taken by the team in each phase. Do not just put the description of the phases.*

Requirements Analysis and Documentation

This section includes the discussion of hardware and software requirements upon the conduct of your project.

Design of Software, Systems, Product, and/or Processes

This section includes diagrams during the design phase. Following diagrams to be use but depends on the track and requirements of the system.

- *DFD, ERD, System Flowchart, VTOC, Data Model, UI/UX, Use Case, Sequence Diagram and Story Board, BPMN, State Table, State Diagram,*
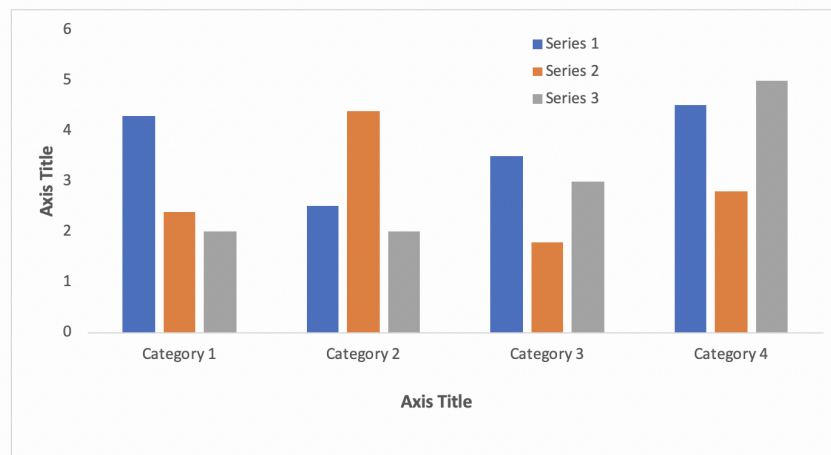
Testing, (where applicable)

- *ISO / IEC 25010:2011, MEEGA+,*

- *Blackbox, Whitebox,*

- *System testing, Alpha testing, Unit Testing*

Description of the Prototype, where applicable

This include screen shots of the prototype of the system with description and figure no. Figure citation and format must follow the guidelines of APA 7th Edition.

Figure 1

Sample Figure Title

Note. A note describing content in the figure would appear here.

Numbers

Arabic numerals must be used to identify each figure in the main text (Figure 1, Figure 2, etc.). Numbers are bolded, left aligned, and given according to the textual order in which the figures appear.

Title

Put the figure's title in italics title case beneath the number. The number and title should be double spaced, and the title should be clear, simple, and illustrative.

Image

The image of the figure is the body, and it is positioned underneath the number and title. The image should be legible in both size and resolutio. All image should be readable with good resolution.

Notes

Like tables, notes can be detailed, generic, or probability-based, and they help explain the information in the figure. General notes give citation information or explain symbols, abbreviations, and units of measurement. Superscripts are used in specific notes to

designate particular elements, and statistical significance of particular values is explained in probability comments.