As promised here is a preliminary guideline into the term paper

objectives and approach.

The objective of writing a term paper in 573 is to understand a

particular algorithm in depth --- the purpose of the algorithm and its

working; its mathematical properties and importantly how it is/has

been used and its impact.  You must identify and make a connection

between the algorithm under investigation and a

science/engineering/commercial application. You must not investigate

the same algorithm as you will for your Project!

Many of you will go onto write a thesis of some sort - PhD, Masters,

MS Techical Paper. Think of a term paper as a mini-thesis, that does

not have to be based upon original work, but nonetheless entails

scholarly investigation of a topic/subject. If nothing else, writing a

term paper will provide the necessary practice for a more involved

thesis later onwards.

Typically each term paper will be broken into 4 parts:

i. Introduction,

ii. Main [Description, Analysis]

iii. Application Usage and

iv. related and relevant work/conclusion/summary. Appropriate

References are critical, as is an abstract.

Some general points:

\* Know what you want your reader to learn from your paper. Identify

the relevant information in every paper.

\* The purpose of your paper is never to summarize a particular

paper. You refer to other papers either to compare them with each

other, or to relate them to your own work.

And Remember:

\* Your English doesn’t have to be flawless, but your text must be as

grammatically correct as possible, for it is impossible to separate

content from language

\* Plagarism alert. Many different and subtle forms of Plagiarism. Some

unintentional, e.g., copy/cut-and-paste text very generously!

Several of you have asked for term paper samples. Please find samples

at:

<https://drive.google.com/drive/u/0/folders/0B4xMi5S-VFVRflZ1ZnphQnlzNW5mUDFremkzRTZaSU9EQzNvd1pPa3NBNmxBbHBUSXRGVDQ>

Please note they are only samples provided as guidance.

介绍问题、介绍方法(背景)

方法解释

伪代码

分析

应用

结论

未来展望

reference