EE386 Digital Signal Processing Lab **Jul-Dec 2021**

0: Homework Template

Author: enter name here *Email:* enter email here

1 Using this Template

To start with, enter your name and email in the header in the `macros.tex` file. This only needs to be done once. Change the title of the document in `\homework{}` for each submission.

Use the `\section{}` command to define a section for each separate topic. Define a suitable label using `\label{sec:some_label}` to refer using `\ref{sec:some_label}`. A reference should look like this 1. During a submission, include the following sections:

- Introduction – to introduce the exercise with the underlying theory,
- Algorithms / Methods – to describe the algorithms used in implementation,
- Results – to include and comment on the results obtained,
- Appendix – to include resources and links to your code repository.

Use the `\problem{}` command to start the main problem. Use the `\subproblem{}` command to start the subproblem. Use the `\solution` command to start the solution.

Main Problem

(Subproblem)

(Solution)

Use `$x=y$` to include inline equations and use

```
\begin{eqnarray}
x &= y \\
y &= z
\label{eq:first_equation}
\end{eqnarray}
```

to include equations as shown in Eq. (1.1).

$$\begin{aligned} x &= y \\ y &= z \end{aligned} \tag{1.1}$$

A Code Repositories

Refrain from including any or all code in this document. Upload codes to your repository and include the links to executed nbviewer files here as – The codes to reproduce the results can be found in the GitHub repository `enter-url-here`.