

## Rubrics: DSP Group Project

<b>Writing Skills - Report (20%)</b>					
Scale	1	2	3	4	5
Bloom Level	1 (Perception)		3 (Guided response)		5 (Complete Overt Response)
Criteria	Poor		Acceptable		Excellent
<b>A. Appearance and Formatting (5%)</b>	<b>Limited</b> Sections out of order, sloppy formatting.		<b>Demonstrate usage</b> Sections in order, formatting is rough but readable.		<b>Mastery of tools</b> All sections in order, well-formatted, very readable.
<b>B. Language (5%)</b>	<b>Limited Usage</b> Frequent grammar and/or spelling errors, writing style is rough and immature.		<b>Demonstrate usage</b> Occasional grammar/spelling errors, generally readable with some rough spots in writing style.		<b>Mastery usage</b> Grammatically correct and very well-written
Scale	0-2	3	4-6	7	8-10
Bloom Level	1 (Perception)		3 (Guided response)		5 (Complete Overt Response)
Criteria	Poor		Acceptable		Excellent
<b>C. Content &amp; Data Presentation: i.e. Figures, Tables, etc. (10%)</b>	<b>Unorganized</b> Figures, Tables contain errors or are poorly constructed, have missing titles, captions or numbers, units missing or incorrect, etc.		<b>Fairly organized</b> Most data, figures, graphs, tables are presented, some still missing important or required features.		<b>Well organized</b> All data, figures, graphs, tables are correctly drawn, are numbered and contain titles/captions.

<b>Usage of modern tool - Demonstration (80%)</b>					
Scale	0-5	6	7-11	12	13-20
Bloom Level	1 (Perception)		3 (Guided response)		5 (Complete Overt Response)
Criteria	Poor		Acceptable		Excellent
<b>Familiarity on tool(s): Able to demonstrate important MATLAB functions &amp; Code neatness (20%)</b>	<b>Unfamiliar</b> Unable to demonstrate the important features / functions of the tool used. Code writing style is rough and immature.		<b>Acceptable knowledge</b> Be able to demonstrate the important features / functions of the tool used. Code is readable with some rough spots in code arrangement style.		<b>Excellent knowledge</b> Be able to demonstrate the all features / functions of the tool used. Able to demonstrate all features / functions of the tool used i.e. include comment for each features/functions used and well-written
<b>Familiarity on tool(s): Able to implement DSP Theory (20%)</b>	<b>Unfamiliar</b> Unable to demonstrate the important theory for the used tool functions		<b>Acceptable knowledge</b> Be able to demonstrate the important theory for the used tool functions		<b>Excellent knowledge</b> Be able to demonstrate all related important theory for the used tool functions
<b>Operation of tool(s): Able to generate output graphs (20%)</b>	<b>Need assistance</b> Demonstrate little or no ability to use the tool independently. Full supervision or step-by-step guidance is required		<b>Fairly independent</b> Demonstrate adequate ability to use the tool with minimal assistance		<b>Fully independent</b> Demonstrate superior ability to use the tool without any assistance.
<b>Operation on tool(s): Able to explain output graphs</b>	<b>Need assistance</b> No ability to explain on generated output graphs independently. Required full guidance on explaining the graphs		<b>Fairly independent</b> Adequate ability to explain on generated output graphs with minimal assistance		<b>Fully independent</b> Able to explain on generated output graphs without any assistance.