



Week 7 Project Report

Course: MECH8150-24W-Sec3-Capstone Project Advanced Manufa

Drawings	Level 3 6 points	Level 2 3 points	Level 1 0 points	Criterion Score
File Name and Correct Submission (Drawings, model, PDF, and Pack-N-Go)	Correct submission	Partial correct submission	Incorrect submission	/ 6

Drawings	Level 5 25 points	Level 4 20 points	Level 3 15 points	Level 2 10 points	Level 1 5 points	Criterion Score
Engineering Drawings and assemblies dimensioned correctly Part Setup: Units, precision, features named and properties completed	All engineering drawings (detail and assembly) are completed properly. Well organized, and perfectly adheres to industry standards in every drawing.	All engineering drawings (detail and assembly) are completed properly. Organized, and follows industry standards in every drawing.	All engineering drawings (detail and assembly) are completed properly.	Incomplete and missing major components.	Incomplete or not attempted.	/ 25

Process documentation for each component and Final assembly	Proficient 8 points	Satisfactory 6 points	Developing 4 points	Foundational 2 points	Criterion Score
Documents used proper technical words	Proper technical words use proficiently	Proper technical words use satisfactorily	Proper technical words used but needs improvement.	Proper technical words use poorly or not at all.	/ 8
Selections of tooling and machines	Selections of tooling and machines is proficient	Selections of tooling and machines is satisfactory	Selections of tooling and machines needs improvement	Selections of tooling and machines is poor or none existent.	/ 8
Supported with Illustrations	Supported machining process with Illustrations proficiently	Supported machining process with Illustrations satisfactorily	Supported machining process with Illustrations needs improvement	Supported machining process with Illustrations poorly or not at all	/ 8
Manufacturing systems and plans consider cost effective solutions	Manufacturing systems and machining processes consider costing and has creative solutions.	Manufacturing systems and machining processes consider costing.	Evidence that costs were considered in the machining process.	Little or no evidence that costs were considered.	/ 8

Documentation	Level 5 5 points	Level 4 4 points	Level 3 3 points	Level 2 2 points	Level 1 1 point	Criterion Score
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Documentation	Level 5 5 points	Level 4 4 points	Level 3 3 points	Level 2 2 points	Level 1 1 point	Criterion Score
Organization and Creativity	<p>Organized in a highly effective manner</p> <p>Logical structure and appropriate order</p> <p>Information is present using a professional, unique and personalized approach.</p> <p>Consistent theme thought all project work.</p>		<p>Organized in a effective manner</p> <p>Relatively logical structure and appropriate order</p> <p>Information is present using suitable approach and some creativity</p> <p>Consistent theme thought all project work.</p>		<p>Organized in a barely effective manner. Does not flow.</p> <p>illogical structure and appropriate order</p> <p>Information is present poorly and without any creativity</p> <p>Consistent theme thought all project work.</p>	/ 5
Grammar and Mechanics of document	<p>Writer follows all guidelines for spelling, grammar, mechanics, etc.</p> <p>Sentences are strong and have varied structure.</p>		<p>Writer follows most guidelines but some sentences are unclear or contain errors</p>	<p>Writer follows most guidelines but many sentences are unclear or contain errors.</p> <p>Difficult to understand in areas.</p>	<p>Writer does not follows any guidelines for spelling, grammar, mechanics, etc.</p>	/ 5

Process Documentation	Level 5 25 points	Level 4 20 points	Level 3 15 points	Level 2 10 points	Level 1 5 points	Criterion Score
Ease of understanding	The machining process was very easy to understand. All processes flowed well into each other.	The machining process was easy to understand.	The machining process was understood.	The machining process was poorly to understood.	The machining processes were not completed.	/ 25
Mechanically sound procedures	The procedures used in the documentation used sound mechanical process in a creative and efficient manner. Evidence of risk assessment and quality control within the process.	The procedures used in the documentation used sound mechanical process effectively.	The procedures used in the documentation used sound mechanical process.	The procedures used in the documentation mostly used sound mechanical process with few errors	The procedures used in the documentation did not use sound mechanical process.	/ 25

Total

/ 123

Overall Score

Level 5

14 points minimum

Level 4

11 points minimum

Level 3

8 points minimum

Level 2

5 points minimum

Level 1

0 points minimum