

UNIVERSITY OF VERMONT
COLLEGE OF ENGINEERING AND MATHEMATICAL SCIENCES

Project Printed Defense
TEAM #19 - PRODUCT UPDATE FOR ADDITIVE MANUFACTURING

Deliverable: Schedule and Resource Estimate

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GENERAL DYNAMICS

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1 Introduction

This document outlines the steps and consideration that went into making Team 19 project schedule through this section of the design phase.

2 Methods

The first step to create this schedule was to record all the milestone and their respective due dates. Once this had been accomplished, the team looked through the milestone descriptions and rubrics to break each larger task into subsections. This was accomplished by finding major tasks to complete and assigning them to different team members. Depending on each team members availability, the team would assign different roles to the members that could accomplish the task during a specific day of the week. This would allow for all the members to contribute to each milestone.

When estimating time for each task, the group would look over the task and give an initial time estimate. Then the group would double this initial time estimate and set this new time as our estimated time. This was done to account for individuals fatigue and in case there were any difficulties along the way. Further, some tasks such as weekly meetings were estimated to be an hour to make sure that the team gave brief and informative update on their progress.

For future schedules, the team hopes to update the schedule so that each milestone is broken into 1 hour shalls so that the team starts to work continuously but in smaller chunks.

3 Concerns

In making this schedule the team had some concerns with regards to time estimations and future planning. Making this schedule was difficult due to each team members constantly changing availability. This presents the challenge of predicting when each member is going to be able to put time in to the project. Additionally, the team had trouble make a schedule in this format because most of the member were accustom to setting aside chunks of time to do large amounts of work instead of slowly working through tasks at a steady rate. Finally, the group had some difficulty estimating time for each task. This was in part due to lack of experience as well as not logging time on early tasks. This resulted in estimates that were to short and created the danger of not completing the task on time.

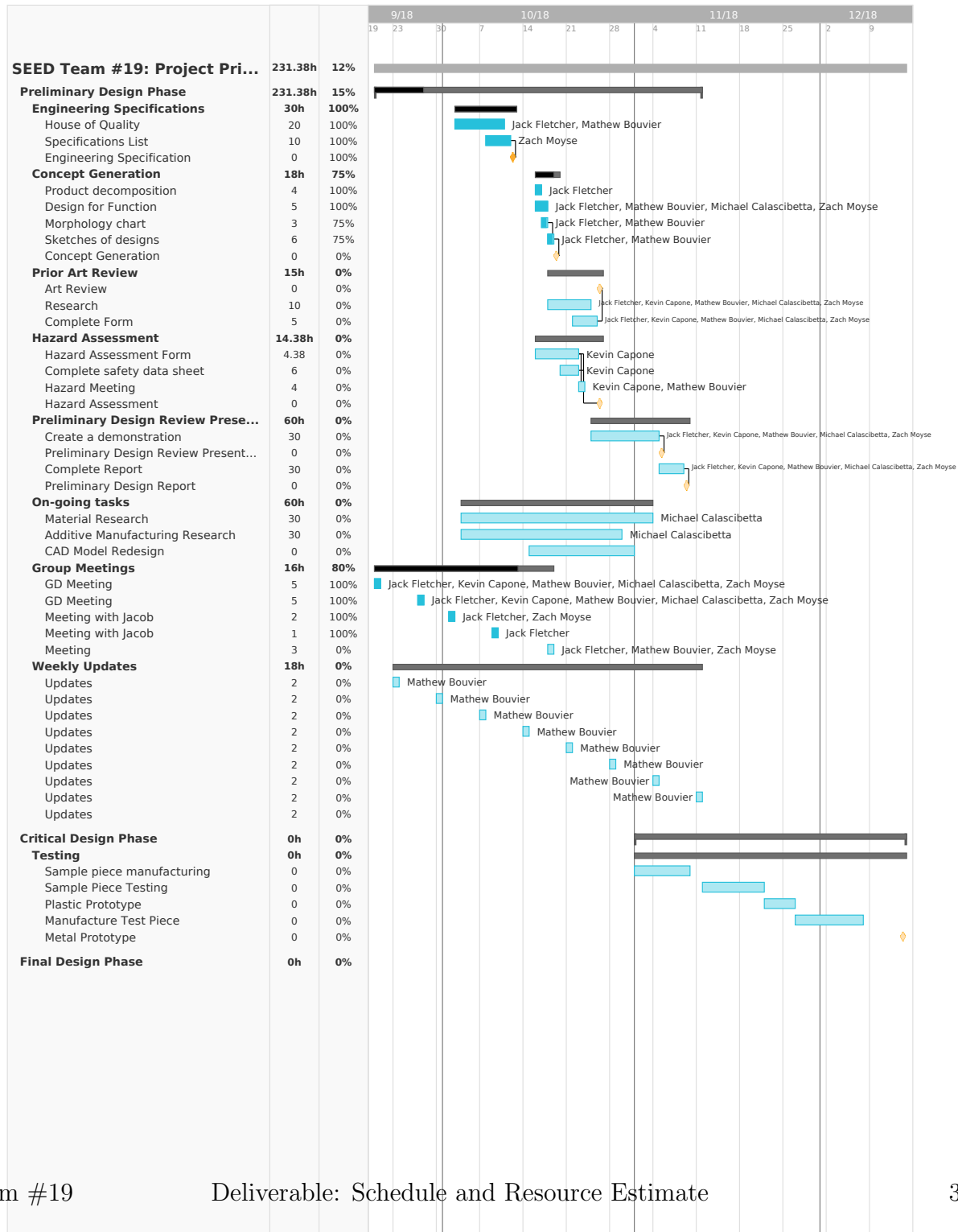


Figure 1: Preliminary Schedule