

PROJECT ONE: MILESTONE 0 – COVER PAGE

Team Number: 26

Please list full names and MacID's of all *present* Team Members

Full Name:	MacID:
Ehsaan Khan	khane16
Sana Khan	khans288
Jackson Lippert	lippertj
Emilia Pistic	pisice
Sophia Workun	workus1

Insert your Team Portrait in the dialog box below



MILESTONE 0 – TEAM CHARTER

Team Number: 26

Project Leads:

Identify team member details (Name and MACID) in the space below.

Role:	Team Member Name:	MacID
Manager	Jackson Lippert	lippertj
Administrator	Sana Khan	khans288
Coordinator	Ehsaan Khan	khane16
Subject Matter Expert	Emilia Pistic Sophia Workun	Pistic workus1

MILESTONE 0 – PRELIMINARY GANTT CHART (TEAM MANAGER ONLY)

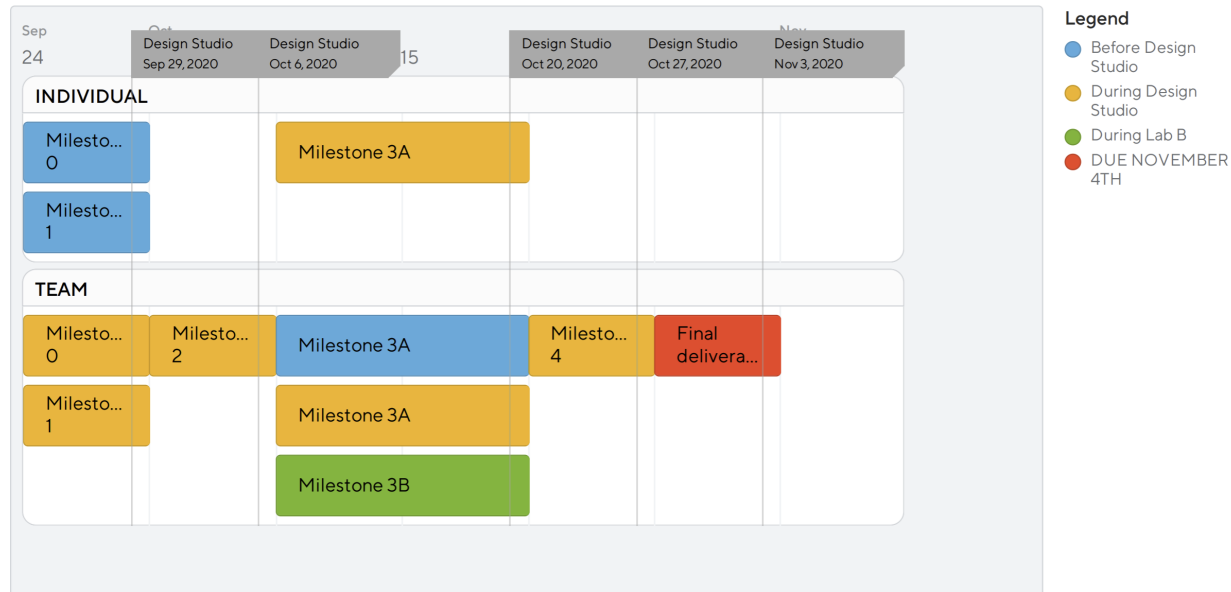
Team Number: 26

Full Name of Team Manager:	MacID:
Jackson Lippert	lippertj

Preliminary Gantt chart

Link to Gantt Chart: <https://app.productplan.com/pr/BZxKvXCML0zx0D4Wt2DzPVDkKlcidNqF>

Design Project 1



Title	Lane	Legend	Description
Milestone 0	INDIVIDUAL	● Before Design Studio	-Review the administrative responsibilities section of the P1 project module.
Milestone 1	INDIVIDUAL	● Before Design Studio	-Complete pre-project memo
Milestone 3A	INDIVIDUAL	● During Design Studio	-Complete material selection process
Milestone 0	TEAM	● During Design Studio	-Complete Team charter worksheet
Milestone 1	TEAM	● During Design Studio	-Complete initial problem statement and objective trees for the 4 different engineering scenarios of a wind turbine.
Milestone 2	TEAM	● During Design Studio	-Complete refined problem statement of wind turbine, design requirement of wind turbine bladed of a specific scenario, design objectives of a turbine, and the metrics of the design objectives.
Milestone 3A	TEAM	● Before Design Studio	-Learn how to use Granta EduPack as a design tool material selection (in materials science lab #1)
Milestone 3A	TEAM	● During Design Studio	-Complete problem definition of a turbine blade for material selection, compare material alternative, select the more suitable material your turbine blade should be made of.

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Title	Lane	Legend	Description
Milestone 3B	TEAM	● During Lab B	-Complete deflection calculation, CAD drawing of a turbine blade, and deflection simulation turbine blade CAD file
Milestone 4	TEAM	● During Design Studio	-Estimate the thickness requirement of the turbine made of your chosen material, refine the thickness requirement based on deflection simulation turbine based CAD file, and interview another team with a different assigned scenario and take notes of what you have learned.
Final deliverable	TEAM	● DUE NOVEMBER 4TH	Include the following in your Design Summary: finalized problem statement of the turbine blade design, justification of technical objective and material performance index, justification of selected materials, justification, justification of solid (CAD) modelling, and peer-learning interview summary.

