ACT@PSU

TASK LIST

**Key –**

**Red: Not Yet Started**

**Orange: In Progress**

**Green: Complete**

**Blue: Not Started and waiting on Completion of other Aspect**

**Create group Google Account (Jacob)**

**Top Priority (What was Promised for the Grant):**

Finish Content Pages:

Particle Kinematics

Newton’s Second Law for Particles

Work and Energy for Particles

Impulse and Momentum for Particles (Jacob)

Rigid Body Kinematics

Newton’s Second Law for Rigid Bodies (Jacob)

Work and Energy in Rigid Bodies

Impulse and Momentum in Rigid Bodies

Vibrations (Agnes)

Develop Video Lectures:

Chapter Introduction Videos (Jacob)

Particle Kinematics (Rungun)

Newton’s Second Law for Particles

Work and Energy for Particles

Impulse and Momentum for Particles

Rigid Body Kinematics (Majid)

Newton’s Second Law for Rigid Bodies (Majid)

Work and Energy in Rigid Bodies

Impulse and Momentum in Rigid Bodies

Vibrations (Agnes)

Develop Worked Problems (Problems with PDFs):

Particle Kinematics

Newton’s Second Law for Particles (Jacob)

Work and Energy for Particles

Impulse and Momentum for Particles

Rigid Body Kinematics

Newton’s Second Law for Rigid Bodies (Jacob)

Work and Energy in Rigid Bodies

Impulse and Momentum in Rigid Bodies

Vibrations (Agnes)

Develop Worked Problem Video Solutions:

Particle Kinematics (Rungun)

Newton’s Second Law for Particles (Majid)

Work and Energy for Particles (Doug)

Impulse and Momentum for Particles (Doug)

Rigid Body Kinematics (Majid)

Newton’s Second Law for Rigid Bodies (Majid)

Work and Energy in Rigid Bodies (Doug)

Impulse and Momentum in Rigid Bodies (Doug)

Vibrations

**Secondary Priorities:**

Proofreading Existing Content:

Newtonian Mechanics Basics

Particle Equilibrium

Extended Body Equilibrium

Statically Equivalent Systems

Engineering Structures

Friction and Friction Applications

Particle Kinematics (Joan)

Newton’s Second Law for Particles

Work and Energy for Particles

Impulse and Momentum for Particles

Rigid Body Kinematics (Joan)

Newton’s Second Law for Rigid Bodies

Work and Energy in Rigid Bodies

Impulse and Momentum in Rigid Bodies

Vibrations

Vector and Matrix Math

Moment Integrals

Development and Integration of Webworks:

Newtonian Mechanics Basics

Particle Equilibrium

Extended Body Equilibrium

Statically Equivalent Systems

Engineering Structures

Friction and Friction Applications

Particle Kinematics

Newton’s Second Law for Particles

Work and Energy for Particles

Impulse and Momentum for Particles

Rigid Body Kinematics

Newton’s Second Law for Rigid Bodies (Agnes’s Student)

Work and Energy in Rigid Bodies

Impulse and Momentum in Rigid Bodies

Vibrations

Vector and Matrix Math

Moment Integrals

Replacing Image Formulas with LaTEX

Newtonian Mechanics Basics (Rungun)

Particle Equilibrium (Rungun)

Extended Body Equilibrium (Rungun)

Statically Equivalent Systems

Engineering Structures

Friction and Friction Applications

Particle Kinematics

Newton’s Second Law for Particles

Work and Energy for Particles

Impulse and Momentum for Particles

Rigid Body Kinematics

Newton’s Second Law for Rigid Bodies

Work and Energy in Rigid Bodies

Impulse and Momentum in Rigid Bodies

Vibrations

Vector and Matrix Math

Moment Integrals