Taking the **Dynamics** to the Next Level

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**Objectives**
- More course connections
- Improved problem-solving tools
- Enhanced motivation for learning

**Baseline Evaluation**

**Next Level**
- Use an entry exam to check students’ skills learned from prerequisites
- Enhance reading assignments to ensure students are prepared for the lectures

**Group Learning**

**Next Level**
- Establish small study groups for course assignments
- Enhance group solving processes in the class
- Promote interactive learning through group competitions

**Current Level**
- No group learning activities

**Capacity Upgrading**

**Next Level**
- Promote systematic understanding across different sections
- Demonstrate and encourage alternative solutions
- Utilize computer programs to improve solving processes

**Current Level**
- Students tend to memorize everything

**Knowledge Mobilization**

**Next Level**
- Demonstrate the linkages to upper-level courses
- Build connections to engineering research
- Invite guest speakers from engineering organizations

**Current Level**
- Learning is limited to the textbook

**Outcomes**
- Broad vision
- Sustainable knowledge
- Adaptive skills