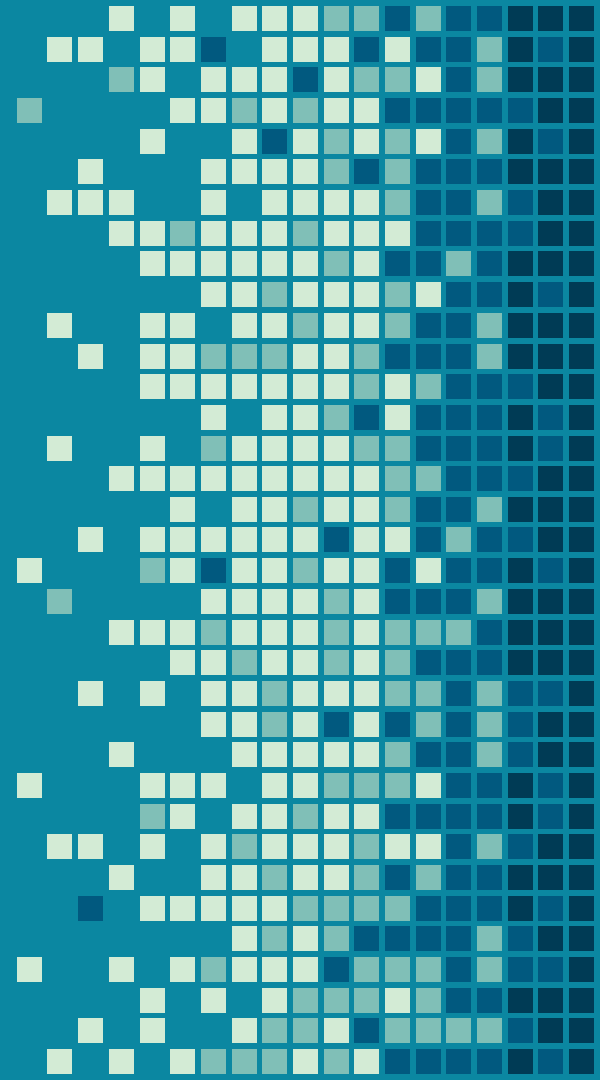


# INTEGRATED DESIGN PROJECT

## Milestone Overview

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Electrical Engineering – SS 2019 – Duke TIP



# Three Key Milestones

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- Preliminary Design Review (PDR)
  - Tuesday – Afternoon Session
- Alpha Demo
  - Thursday – Morning Session
- Final Demo
  - Friday – Afternoon Session

# PRELIMINARY DESIGN REVIEW

# PDR – Deliverables

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- Project Introduction & Motivation
- Product Requirements
- Roles & Responsibilities
- Hardware System Architecture Diagram(s)
- Software System Architecture Diagram(s)
- Project Management Plan
- Test/Demo Plans
- Issues/Risks

# PDR – Logistics

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- PDR with only instructor and TA
- 10 minute presentation on deliverables
- 5 minute discussion and Q&A

# PDR – Goals

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- Finalized all on-paper project deliverables
- Should include final on-paper design

# ALPHA DEMO

# Alpha Demo – Deliverables

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- Project Introduction & Motivation
- Updates on any of the following:
  - Product Requirements
  - Roles & Responsibilities
  - Hardware System Architecture Diagram(s)
  - Software System Architecture Diagram(s)
  - Project Management Plan
  - Test/Demo Plans
  - Issues and Risks
- Demonstration (described on next slide)



# Alpha Demo – Logistics

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- Wednesday – Afternoon Session
- Demo only with instructor and TA
- 5 minute overview of project and revisions to deliverables
- 10 minute demonstration
- 5 minute discussion and Q&A

# Alpha Demo – Goals

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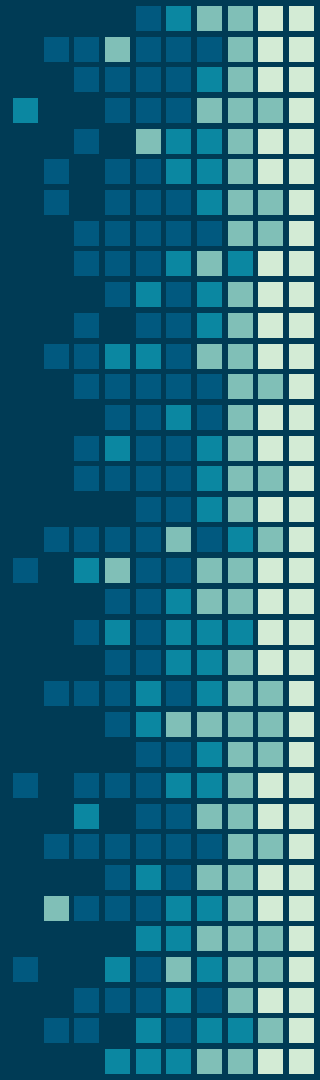
- Each individual subsystem functioning correctly.
- Good plan in place for integrating subsystems.
- Solid test plan progress.
- Evaluate stretch goals.

# FINAL DEMO

# Final Demo – Deliverables

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- Project Introduction & Motivation
- Finalize Documentation
  - Product Requirements
  - Roles & Responsibilities
  - Hardware System Architecture Diagram(s)
  - Software System Architecture Diagram(s)
  - Project Management Plan
  - Test/Demo Plans
  - Lessons Learned
- Final Demonstration (described on next slide)



# Final Demo – Logistics

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- Friday – Afternoon Session
- Demonstration to entire class
- Brief project overview
- 10 minute demonstration
- Final documentation turned into instructor

# Final Demo – Goals

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- All subsystems integrated and working correctly without bugs.
- 100% of Test Plan completed.
- Polished presentation and demonstration to class.

