

# ***Chapter 1: Introduction***

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- **Project Motivation**
- **Learning Objectives**
- **Problem Statement**
- **Thesis Outline**

# *Project Motivation*

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- **Why is the project:**
  - Needed
  - Useful
  - Important
  - Worthwhile
- **Multiple perspectives:**
  - Industry
  - Supervisor
  - You!
- **Use indirect speech**

# *Learning Objectives*

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- **All GITC projects have two academic goals:**
  - **Demonstrate mastery of the entire curriculum**
  - **Verify graduate can produce useful work**
- **How does this thesis meet the above goals?**
- **What new topics will you learn?**
- **What are your supervisor's learning goals?**
- **How does the project fit in with your program?**

# ***Problem Statement***

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- **What problem does the project solve?**
- **What areas of practice are involved?**
  - **Boolean logic, chip design, ...**
  - **Database, user interface, ...**
- **Describe the project in paragraph or story form:**
  - **Use present tense**
  - **Explain technical words**
  - **Reader should understand if thesis is useful to personal research goal**

# *Thesis Outline*

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- **Complete summary of the entire thesis**
- **One or two paragraphs about each chapter**
- **Starts with Chapter 2, then Chapter 3, ...**
- **Build after finishing each chapter**
- **Again, allows reader to understand if your thesis will be personally useful**

- **State the following for your thesis:**
  - **Project Motivation**
  - **Learning Objectives**
  - **Problem Statement**