



# iPhone Wireless Video Project Overview

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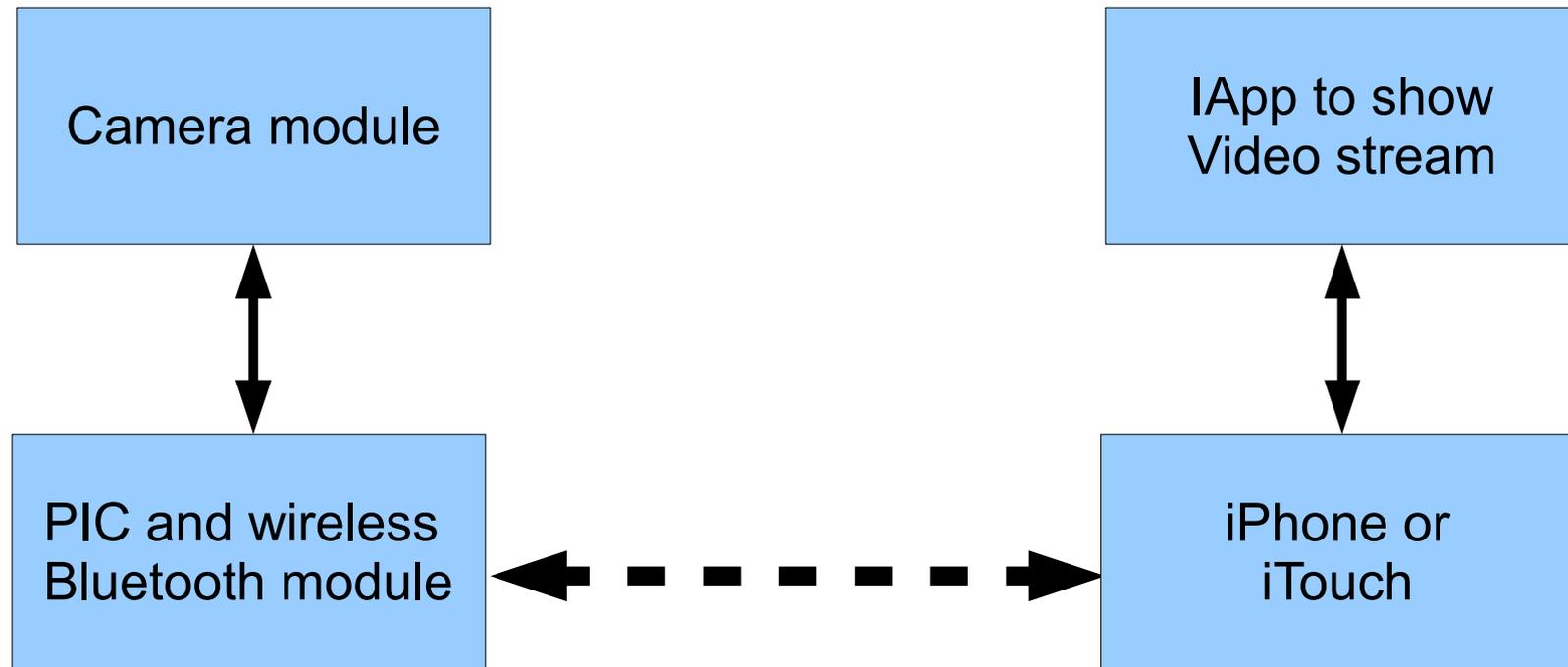
Capstone Visual Product Development

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# Overview

- Develop iPhone app to receive low frame rate video via Bluetooth interface
  - iPhone or iTouch
  - PIC with Bluetooth transmitter
  - Small camera modules
  - Optional tasks with fiber optic lighting and video transmission from lens

# Block Diagram



# Project Goals

- Develop wireless transmission hardware and application
  - Review reference designs
  - Understand nature of video signals
  - Design prototype hardware to demonstrate use of wireless modules
  - Wire test components, cameras, etc.
  - Test system

# Project Status

This project is a new development effort

- Research bluetooth modules
- Develop prototype design
- Develop iApp
- Test prototype design hardware

# Functional Positions

- Hardware Engineer
  - Design hardware architecture
  - Wiring for PIC, camera, etc.
- Software Engineer
  - Design and develop iApp
  - Develop PIC code as may be necessary
- Optional fiber optics engineer
  - Develop fiber optic lens and lighting concepts