| **Group** 13 | *Spring 2024 Design Challenge* |
| --- | --- |
| **Major:** | **Team members:** |
| *ITC* | *David Kajuna* |
| *CEG* | *Joshua Andrews* |
| *CS* | *Jason Bynum* |
| *ITC*  *CS* | *John Armlovich*  *Kennedy Eziolise* |

**Design Standards**

| *Stand. No* | Standard |
| --- | --- |
| 10 | IEEE 802.11bb-23/0277rl: Standards on Light Communication, Volker Jungnickel, Lennert Bober, Tuncer Baykas, Nikola Serfimovski, San-Kyu Lim, 13-March-2023 |
| 20 | Python PEP: 8, Title: Style Guide for Python Code, Author: Guido van Rossum, 01-Aug-2013 |
| 30 | Federal Inf. Process. Stds. (NIST FIPS) - 197-upd1, May 9, 2023 |
| 40 | ISO/IEC 9899:2024, April 1, 2023 |
| 50 | FIPS PUB 180-4: Secure Hash Standard (SHS), August 4, 2015 |
| 60 | HTTPS |
| 70 | Information technology — Computer graphics and image processing — Portable Network Graphics (PNG): Functional specification. ISO/IEC 15948:2003 (E) |
| 80 | ANSI Z136 Laser Diode stds. |
| 90 | IETF RFC8017 RSA Cryptography Specifications |

Definitions:

IEEE (Institute of Electrical and Electronics Engineers): Professional association for fields relating to electrical engineering.

PEP (Python Enhancement Proposal): Design document for Python that defines and documents new features and processes.

ISO (International Organization For Standardization): Organization that develops and publishes international standards.

IEC (International Electrotechnical Commission): The leading organization for the preparation and publication of international standards for all electrical, electronic, and related technologies.

FIPS (Federal Information Processing Standards): Organization that develops computer standards for non-military U.S. government agencies.

NIST (National Institute of Standards and Technology): Federal organization that regulates standard practices related to fields of physical science.

SHS (Secure Hash Standard): Standard to specify hash algorithms used to generate a digest of messages.

PUB (Publication): Formal documentation.

ANSI (American National Standards Institute): Organization that regulates information usage and transmission.

IETF (Internet Engineering Task Force): Organization that creates standards for internet protocols.

RFC (Request for Comments): Publication in a series from the principal technical development and standards-setting requirements for the internet.