# http://cs.armstrong.edu/rasheed/Web/images/Armstrong_logo.jpg

# **Weekly Project Status Report**

**Project Name:** Code Hoping Authentication System **2 Points**

**Team Members**: Schmid Tosha, Bonsignori Evan, Brown Darryle, Schnibben David, Norris Tyler

**Report Period**: 10/17 – 10/24/2017

**Preparer Name**: Evan Bonsignori

**Task Title**: Initial Meeting and Project Discussion

**This Week Milestones**

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| --- | --- | --- | --- |
| Milestones | Planned date for completion | Actual date of completion | Comments and Accomplishments |
| Change Bit Representation from custom “bits” to java primitives | 10/24 | 10/19 | Long = 64 bits, int = 32 bits, and short = 16 bits |
| Complete XTEA algorithm implementations | 10/24 | 10/20 | Encrypt and Decrypt given key in XTEA class initialization object and passed 64-bit block in encrypt/decrypt methods |
| Implement CTR mode and complete authentication protocol | 10/24 | 10/20 | Select random IV+i and match on Reader’s end. Return IV+256 if match on record |
| Create GUI and Controller Class. | 10/31 | 10/21 | Demonstrates authentication protocol by adding up to 5 readers and up to 10 linked transmitters |
| View Reader values and Transmitter values. Can change Transmitter Values. | 10/31 | 10/21 | Upon clicking on a TX or RD in ListView, values are displayed |
| Polish project. Clean code and add comments. | 10/31 | 10/21 | GitHub repository reflects changes |
| Validate XTEA and CTR mode with text cases | 10/31 | Pending |  |

**Accomplishments:**

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| **- Everything listed in Milestones, would be redundant to type out here** |

**weekly Planning**

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| **-*Meet With team to discuss documentation***  ***- Validate project logic with tests*** |

*Note: Individual weekly report must be submitted by each student in the group. Reports will be collected by the instructor during the project’s group discussion.*