DATE: April 5, 2016

TO: Randall Hunnum, Chair

College Council Curriculum Committee

FROM: Curriculum Subcommittee

Asm Delowar Hossain (Chair), Tasha Rhodes, Christopher Blair

RE: Final Report for New Course Proposal (15-14), CET 4925 Internet of Things

**COURSE TITLE AND NUMBER:** CET 4925 Internet of Things

**CREDIT HOURS:** 2 Class hours, 2 Lab Hours, 3 Credits

**PRE/COREQUISITES:** CET 4711

**Catalog Description**

Introduction to the architecture of Internet of Things (IoT) and the basics of key technologies for developing an IoT system, including physical computing, communication and connectivity. A variety of IoT implementations and applications are introduced. Students use some of the technologies with experimental hardware platforms to implement a prototype IoT system.

**Strengths**

This elective course provides CET B.Tech students with an introduction to the emerging and rapidly growing technology field, Internet of Things (IoT). It introduces the basics of key technologies used for implementing an IoT system and overviews a stack of enabling technologies for a variety of IoT applications. Students will have the opportunity to use the latest hardware and software tools to design and develop a prototype IoT system.

**Weaknesses**

None.

**Issues and Concerns Discussed**

1. Catalog description and course outline
2. Outcome assessment measures
3. Consultation with other departments

**Subcommittee activities**

The subcommittee discussed the proposal with the proposers and suggested modifications. Upon completion of the modifications, subcommittee met with the proposers (Prof. Zia and Prof. Li), Provost Bonne August, Associate Provost Pamela Brown, Kim Cardascia, and Dean Hom. The proposers were advised to consult with the affected departments regarding the course content. Additionally, minor editorial changes were advised. A revised version was submitted on March 30, 2015; it reflects necessary modifications.