DATE: April 9, 2019

TO: Phillip Anzalone, Chair

College Council Curriculum Committee

FROM: Curriculum Subcommittee

Mohammad Razani (Chair), Unurjargal Nyambuu, Zhou Zhang

RE: Final Report for New Course Proposal 18-05

**COURSE TITLE AND NUMBER:** CST 3601, Development of Advanced Mobile Applications

**CREDIT HOURS:** 3 credits, 2 class hours, 2 lab hours

**PREREQUISITES:** Prerequisites: CST2301Multimedia and Mobile Device

Programming, and

CST3513 Object-Oriented Programming in Java.

**Catalog Description**

This course focuses on developing advanced mobile applications for two of the major platforms: Android (Google) and iOS (Apple). These applications are supported by a cross-platform programming language.

**Rationale**

The proposed course is designed to teach the students the basics of developing iOS applications and then move into the creation of more complex applications for both platforms: Android and iOS. This new course is proposed based on the following considerations:

1. The current associate-level mobile course CST2301, Multimedia and Mobile Device Programming, is an introduction to the development of basic mobile applications for devices running Google's Android operating system. The new proposed course gives the student the means to develop mobile applications for the two major mobile platforms: Android and iOS. Students will develop advanced (more complex) applications alternating between these two operating systems.

2. The proposed course will cover the syntax and semantic of a cross-platform solution that abridges the differences of the technologies used in applications for both mobile platforms: iOS and Android.

**Strengths**

The new course will be offered as an elective in the BTech program. The course will introduce the advanced applications of both mobile platforms i.e. Android (Google), and iOS (Apple).

This course will provide the students in the major a good understanding of both platforms which is expected from the graduates of a computer program to know. The course is unique in that no other CUNY campuses offers a similar course.

**Weaknesses**

None

**Issues and Concerns Discussed**

The subcommittee met with the proposers and suggested some corrections to the proposal. The Proposers incorporated all of the requested corrections in the proposal and provided an updated version of the proposal to the subcommittee.

**Subcommittee Activities**

The subcommittee met with and provided written comments to the proposers outlining all of the proposed changes to the proposal. These were a collection of comments and questions raised by the subcommittee members. The subcommittee also met with Provost August, Associate Provost Brown, Dean Hom (conference call), Kim Cardascia, Department Chair Hong Li, and the proposer on April 2nd. Final revisions to the proposal were completed after additional suggestions were made at the meeting and posted on the CCCC website on April 4, 2019.