This form is an application for the Summer 2014 professional development course for Connecticut teachers. The 6-week course will provide comprehensive instruction in the Mobile Computer Science Principles (Mobile CSP), an innovative curriculum for introducing 11th and 12th grade students to the study of computer science. Teachers will learn *App Inventor for Android*, a visual programming language that is used for writing apps for Android smart phones and tablets.

The Mobile CSP project is a collaborative research project between Trinity College, the Connecticut Computer Science Teachers Association (CT-CSTA), and the Hartford Public Schools. It is funded by the National Science Foundation (NSF) under its *Computing Education for the 21st Century* program. The project’s goal is to introduce computer science education into Hartford-area schools. The main activity of the project is a teacher training and professional development effort that began in summer of 2013.

Teachers who are accepted for the course will be provided with a stipend of $1000/week for the professional development and will be expected to teach the Mobile CSP course in their schools during the 2014-2015 academic year, and, if possible, for the 2015-2016 academic year. Funds are available to support 10 teachers during the 2014-2015 academic year. NSF funding will cover mobile devices used for instruction. It will also cover a visiting teacher’s aide, who will assist and support teachers in the classroom during the school year. Funds are also available to participating schools for project showcase and outreach activities. The research will focus on evaluating the effectiveness of the Mobile CSP curriculum and its impact on student learning.

The summer course will be held at Trinity College and will run full time, Monday through Friday, from July 7, 2013 to August 15, 2014.
Eligibility
The professional development course is open to all certified high school teachers in Connecticut, especially teachers in Hartford and the greater Hartford area. It is open to teachers in all disciplines. STEM (Science, Technology, Engineering, and Mathematics) disciplines are especially encouraged to apply. No prior computer science knowledge or computer programming experience is required.

An important criterion of eligibility is an agreement from the teacher’s principal that the Mobile CSP course will be offered for 11th and 12th graders in the teacher’s school during the 2014-2015 and, if possible, the 2015-2016 academic years.

Application Process
Please fill out the attached application form and include with it a signed recommendation from the principal of your school. The principal’s recommendation must include a commitment to teach the Mobile CSP course during the 2014-2015 and, if possible, the 2015-2016 academic years.

Applications will be accepted until the March 16, 2014 deadline. Applications will be reviewed by the selection committee, which is made up of the project directors (Professor Ralph Morelli, Trinity College; Dr. Chinma Uche, Computer Science Teachers Association of CT; Dr. Sandra Inga, Hartford Schools; Mr. Ralph Minaya, Hartford Schools)

Acceptances will be sent out by April 14, 2014.

Return completed applications to:
Mobile CSP
 c/o Trishan de Lanerolle
Department of Computer Science
Trinity College
300 Summit Street
Hartford, CT 06106

Contact Information (For any questions):
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Teacher Application Form
Due: March 16, 2014
(All Fields are required)

Name:                      Phone number:
Email:
School:
Address:
STEM or other Discipline:
CT Certification:
Courses Taught in the Last two Years:

Prior computer science or programming experience (Note: prior experience is not required):

Please explain briefly why you wish to participate in this project (Attach another page, if necessary).

How many students would you expect to take this course at your school?

Recruitment Plan: Please describe how students at your school would be recruited for this course. Note that one of the goals of the project is to attract students from underrepresented groups, which is defined by the NSF to include girls, African Americans, Hispanic Americans, and the disabled.

Statement: I understand that in submitting this application I am committing to participate in a research project funded by the National Science Foundation. As part of that commitment I will attend the six (6) week, full-time summer 2014 Mobile CSP Professional Development course, during the dates July 7, 2013 through August 15, 2014. I will teach the Mobile CSP course in my school during the 2014-2015 academic year and, if possible, during the 2015-2016 academic year. I will assist with and participate in the various evaluation and assessment activities required by the project.

Signed: ________________________________ Date: ____________________
Principal’s Application Form

Name:                                                                       Phone number:

Email:

Please confirm that _________________________ is a certified teacher at your school.

Name of Course: **Mobile Computer Science Principles**

Course Description: This course provides an introduction to basic principles of computer science (CS), including programming in App Inventor, a graphical programming language for Android mobile devices. This is a projects-based course. Students will learn CS principles by building socially useful mobile apps and reflecting on the impacts of their work. This course involves a strong writing component. Students will maintain a portfolio of their work, which will include several performance tasks in the areas of programming, data analysis, and the impact of computing technology. This is an AP-level course. Prerequisite: Algebra 1. It is also recommended that the student has completed Geometry.

Expected enrollment:

Has this course been incorporated into your school’s academic schedule for 2014-2015? If so, please provide its schedule – e.g, MWF 10:00 – 11:30. If not, please explain when and how the course will be scheduled.

Please describe briefly why you wish to incorporate this course into your school’s curriculum and how it will benefit your school’s STEM initiative.

**Statement:** I understand that in submitting this application we are committing to participate in a research project funded by the National Science Foundation. As part of that commitment, we will offer a Mobile CSP course in our school as an elective for 11th and 12th graders during the 2014-2015 and, if possible, the 2015-2016 academic years. I agree to allow the project leaders to have periodic access to the classroom for the purposes of supporting the classroom teacher and conducting the evaluations and assessments required by the project. I will assist the project leaders in obtaining the necessary parental and student permissions required for the project.

Signed: ________________________________              Date: ___________________