



YING WU COLLEGE OF COMPUTING

About the YWCC Capstone Program

The Ying Wu College of Computing (YWCC) Capstone Project is a required course for all undergraduate students in computer science, information technology and information systems. During their senior year, Capstone Students have the opportunity to work on a real-world software or IT project posed by a company - the Capstone Sponsor. Working in teams of 2-4 students over the course of a semester, Capstone Students apply the knowledge and expertise they've acquired in the classroom. The goal of the Capstone Project is to provide the Capstone Students with problem-solving skills, hands-on software development opportunities and real-world learning experiences. The Capstone Project is supervised by the NJIT Capstone Instructor and a Company Representative assigned by the Capstone Sponsor.

We respectfully request that all of our Capstone Sponsors make a nominal financial contribution to the YWCC Capstone Program. The minimum recommended contribution is \$1,000 for a small team. These contributions are tax-deductible and support a variety of activities integral to the YWCC Capstone Program.

Proprietary Information

Capstone Students are instructed to respect the confidential nature of all proprietary information made available to them through the Capstone Program. Company Representatives are responsible to disclose information as relevant and clearly identify it as propriety. They are also responsible to review Capstone Student presentations to make sure proprietary information is not made public. All Capstone Student inventions resulting from the Capstone Project, including data and software, that are intrinsic to and derived from a Capstone Sponsor's proprietary information shall belong solely (100%) to the Capstone Sponsor.

If, during the course of the Capstone Project, a Capstone Student and/or the Capstone Instructor invents technology that is non-intrinsic to nor derived from a Capstone Sponsor's propriety information, the intellectual property rights to the technology shall belong exclusively to NJIT in accordance with NJIT's official Intellectual Property Policy. If the Company Representative participated in the invention, the intellectual property rights to the technology shall be shared (50%-50%) by the Capstone Sponsor and NJIT.

Calendar of Activities and Events

The Company Representative is a partner, mentor and coach, conducting weekly communication and bi-weekly face-to-face meetings with our students. In addition, the Company Representative is expected to attend the following Capstone Program milestone events:

- Open House (mandatory attendance for all sponsors, on NJIT campus)
- Project Scope & Outline Presentations (scheduled at the convenience of Capstone Students and Company Representatives)
- First Prototype Presentations (scheduled at the convenience of Capstone Students and Company Representatives)
- Midterm Presentations (mandatory attendance for all sponsors, on NJIT campus)
- Second Prototype Presentations (scheduled at the convenience of Capstone Students and Company Representatives)
- Capstone Showcase & Final Presentations (mandatory attendance for all sponsors, on NJIT campus)
- QA Phase (scheduled at the convenience of Capstone Students and Company Representatives)

To submit a Capstone project, please visit http://fs7.formsite.com/eljabiri2/CCS_Capstone_Proposal/



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Capstone Sponsors and Sample Projects



Machine Learning for Capacity Planning
of Computer Systems

Automated Roll Call System



Case Medical

Case Medical RFID



WatchRx
Health. Dignity. Independence.

Predictive Analytics

Panasonic

Internet of Things (IoT)
Cloud Business Analysis

VIACOM

HSS Streaming Platform



Online Giving Platform

AvePoint®
CRM Integration

Sponsorship Benefits

Our Capstone Program:

1. Allows Capstone Sponsors to interact directly with a highly-trained talent pool and develop personal relationships to facilitate future engagement.
2. Presents a variety of marketing opportunities for our Capstone Sponsors through the activities and events listed above.
3. Is a very useful platform for testing new ideas and developing proofs of concept.

About the Ying Wu College of Computing (YWCC)

As the only college of its kind in New Jersey, the Ying Wu College of Computing (YWCC) builds on decades of dedicated computing education and research. YWCC is the largest computing program in the New York City region and graduates approximately 750 computing professionals each year, yet our classes remain small, averaging about 30 students.

Our faculty are engaged in cutting-edge research in areas ranging from networking and computer security to big data analytics, to bioinformatics, gaming and virtual reality. Our students have access to mobile devices, high-end workstations, game development software, robots, and networking equipment – both wired and wireless. Our students are groomed for a wide range of employment options, and most will end up working at the best companies, often before graduation.

For more information, please contact Dina Anello, Director of External Relations, Ying Wu College of Computing at danello@njit.edu, 973.596.5332 or visit <http://capstoneshowcase.com/projects>.