



IRA A. FULTON SCHOOLS OF ENGINEERING

Leading engineering discovery and innovative education for global impact on quality of life.

Developing Convenient & Flexible Graduate Programs for a Global Workforce

Global Outreach and Extended Education

Octavio Heredia, Associate Director

Amy Wolsey, Senior Coordinator

Outline

- Introduction to ASU + Fulton Engineering
- Partnerships with a Global Workforce
- Custom Program: Design, Delivery + Demand
- Student Feedback + Faculty Evaluation
- Sustainability

Arizona State University

- Established in 1885
- 4 campuses in the Phoenix area + ASU Online
- Current enrollment 73,000+



Ira A. Fulton Schools of Engineering

- Established in 1954
- Over 200 full-time faculty
- Current enrollment 8,700 students
 - 5,900 undergraduates
 - 2,800 graduates



Ira A. Fulton Schools of Engineering

- 20+ years distance education delivery
- Complete online delivery of engineering graduate degrees since 2003
 - 12 graduate programs
 - 3 graduate certificates
 - Non-credit professional + custom programs

Partnerships with a Global Workforce

- Software Engineering
- Systems Engineering Certification
- Semi-conductor Packaging
- Higher Engineering Education Alliance Program (HEEAP) –
- Master of Engineering

Intel Vietnam Partnership

Problem statement: Need for quality higher education to the engineering workforce at Intel Vietnam

Solution: Develop an integrated graduate engineering education program to meet the needs of industry and working professionals.

Design of Custom Program

- Identified Need
- Collaboration with leadership
- Match curriculum with needs of organization and students
- Assess skills/background of workforce
- Identify obstacles
 - English
 - distance learning classroom
- Recruit students
- Begin application process

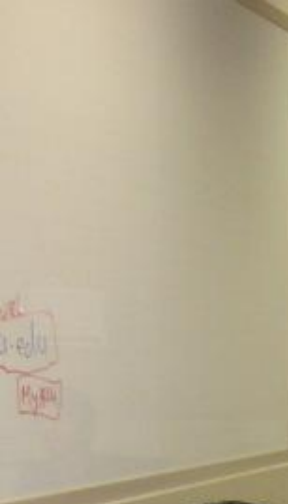
Implementation

- Address concerns for distance learning
 - Orientation, sample classroom
 - Varied methods of delivery
- Schedule / time difference
- Faculty Advisor
- On-site Support



ASU
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WRITING
ASU



Delivery Methods

- Videoconference, site-to-site
- Webcast, live
- On-demand video

Student Support Services

- Foster community
- Faculty office hours
- Study groups
- Group projects partnered with ASU students

Student Feedback + Faculty Evaluation

- Interdisciplinary focus
- Students with different fields of study/focus
- Diverse student population b/w US and VN
- Meeting team members through technology
- Interaction with industry professionals



Sustainability

- Sustaining corporate partnerships
- Partnership in Vietnam, Pilot Program
- Expansion opportunities
- Proven model for collaboration with other industry partners



Octavio Heredia

octavio.heredia@asu.edu

480.965.9273

Amy Wolsey

amy.wolsey@asu.edu

480.965.1878