



Building Work Ready Graduates through Industry Collaborative Partnerships and Networks: Strategies for Curriculum Design and Faculty Development (CSIS & ENG)

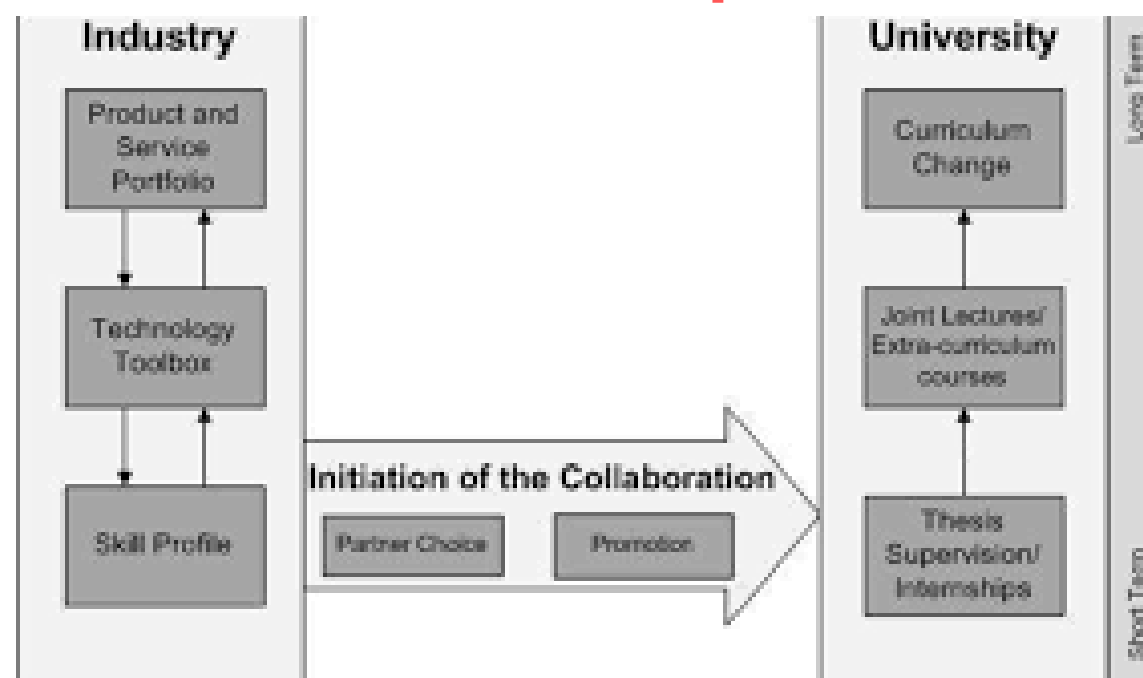
We discuss **benefits** and **drawbacks** of the industry collaborative partnerships and networks. We also share **successful models** and **tactics**, and offer **practical advice**:

Industry Collaborative Partnerships

Work ready graduates requires **active** industry collaborative partnership that includes:

- Industry
- University
- Students

Project-based or Experiential Learning Models



Industry Partners 2022/2023

42 Industry at Career Fair
66 for Internship Placements

Courses:

- 12 for Software Engineering
- 7 for Cloud Computing
- 3 for Web Technologies
- 3 for Technology & Ethics
- 8 for Capstone Projects



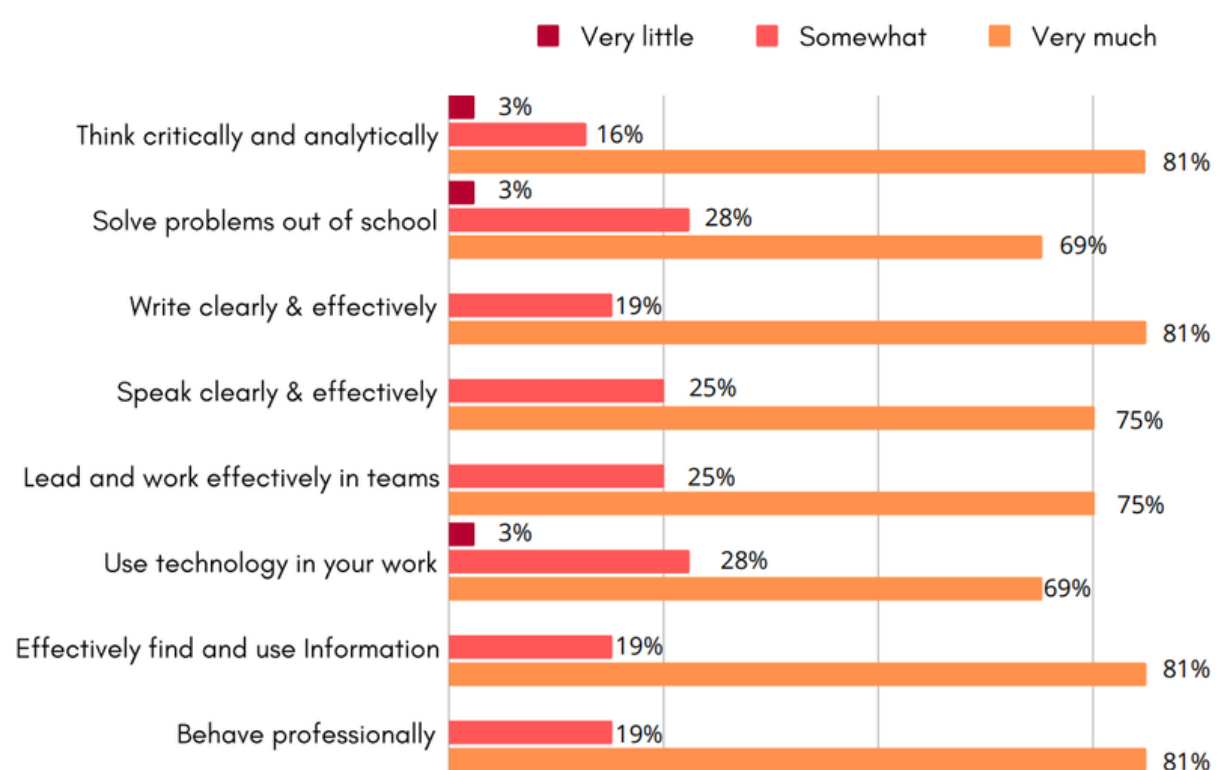
CSIS & ENG Approach

- **Short-term course collaboration:** invited guests/speakers
 - **Long-term course collaboration:** industry-driven project ideas, multiple engagements in a semester or academic year
1. Capstone projects
 2. Internships and Employment (Career Services)
 3. Research collaborations
 4. Curricula review



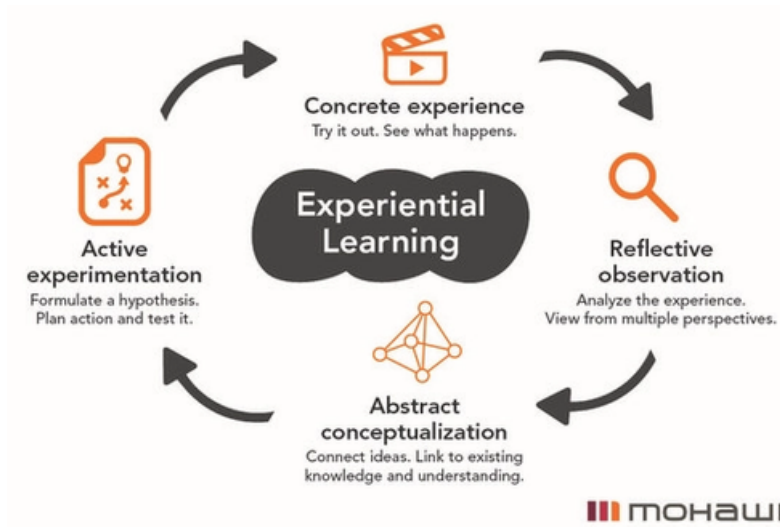
Engineering Partnership Example

- Green house Farm partnership in Dawhenya: Maths, CS, CE, ME, EE, ElecE (Research), CaRINE (info for research).
- Encourage students to venture into Agriculture



CSIS Partnership Example

Experiential Learning research grant:
SE, CC, PM (CE) -167 students



SOFTWARE ENGINEERING PROJECT PRESENTATION

We are inviting the Ashesi Community and beyond to come witness various teams present on solutions to industry problems using various Software Engineering methodologies and technologies.

- Software Engineering
- May 10, 2022 | 11:15 am - 11:35 am
 - RB100 | Ashesi University
 - May 12, 2022 | 9:00 am - 14:45
 - 217 | Ashesi University
 - May 13, 2022 | 9:00 am - 13:30
 - 218 | Ashesi University

- Sample Projects
- African Markets and Securities
 - Blockchain Voting System
 - Ashesi-as-a-Living-Lab 2

Ashesi ODIP Munchies 100 SPORTS

Benefits

1. Class of 2019 engineering cohort, six months after the completion of their national service, out of 48 engineering graduates, 32 (67% of the class) responses were received, and the responses showed **93.75% placement** (employment, graduate school, entrepreneurship).
2. Co-review of CSIS & ENG curricula.
3. Cross/Interdepartmental research and project, integration into curriculum.



Drawbacks

1. Legal limitations - Non-Disclosure Agreements and Intellectual Properties
2. Moderating conflicting interests (different technologies and approaches).

