The gap between Industry and Academia in Bangladesh

Answer from top 5 papers:

The gap between industry and academia for Computer Science (CSE) students in Bangladesh is a significant issue that affects employability and economic growth. This disconnect arises from a mismatch between the skills taught in academic institutions and those required by employers. Several key factors contribute to this gap, which can be addressed through targeted strategies.

Skills Mismatch

- **Curriculum Development**: Current academic programs often do not align with industry needs, leading to graduates lacking essential skills(Chowdhury & Habib, 2024).

- **Practical Experience**: Many students engage in assignments that do not reflect real-world applications, resulting in inadequate preparation for industry demands(Sumathipala & Abeywardhana, 2023).

Lack of Industry Awareness

- **Industry Perception**: Employers often lack awareness of the CSE discipline, which leads to job qualifications that do not consider CSE expertise(Tshukudu et al., 2022).

- **Communication Barriers**: There is insufficient interaction between academia and industry, preventing the sharing of knowledge and expectations(Sattar et al., 2019).

Proposed Solutions

- **Enhanced Collaboration**: Establishing partnerships between universities and industries can facilitate curriculum updates and internships, providing

students with practical experience([Kulkarni et al., 2023](#)).

- **Skill Development Platforms**: Initiatives like the UniHub can help students acquire necessary skills, such as interviewing and technical abilities, before entering the workforce([Sumathipala & Abeywardhana, 2023](#)).

Conversely, some argue that the rapid evolution of technology may outpace academic curricula, making it challenging for institutions to keep up with industry demands. This dynamic necessitates ongoing dialogue and adaptation between both sectors to ensure relevance and effectiveness.