IBM Support to Education

February 25, 2024

Written for the IEEE Teaching Excellence Hub, Resources Section

An update to https://teaching.ieee.org/wp-content/uploads/IBM-Resources.pdf

For decades major technology companies have supported university education. This started with hardware donations for research and classrooms, and now, with a more software-oriented society, this has grown to offer schools access to important technologies such as Hybrid Cloud, AI, high-performance software, and educational courses for faculty and students in leading-edge computer applications.

IBM has several formats of university support. For a general summary, see https://skillsbuild.org/ which is an IBM website.

IBM has a range of educational material students can take advantage of. These are also available to non-profit official student organizations as well as faculty, A brief summary, with links, follows.

1) Mostly free, self-paced courses, many that issue digital credentials upon successful completion.

https://skillsbuild.org/college-students

2) Free software licenses and downloads for registered and approved universities. Full commercial versions of hundreds of products, though not necessarily the most powerful versions. Your department chair, provost, or dean must certify first.

https://www.ibm.com/academic/home

3) Security Learning Academy

https://www.ibm.com/training/security

4) Developer site with courses, project recipes, community forums, specific hardware, and software and device interfacing tips

https://developer.ibm.com/

5) Institute for Business Value, which can be a good source for use cases.

https://www.ibm.com/thought-leadership/institute-business-value

6) Call For Code. IBM is the founding partner.

https://callforcode.org/

7) IBM Research, a treasure of state-of-the-art technology

https://research.ibm.com/

8) Don't forget IEEE's own Engineering Projects In Community Service

https://epics.ieee.org/

9) If you have an AI startup, this fund demonstrates IBM's continued commitment to the effective and responsible deployment of AI.

https://newsroom.ibm.com/2023-11-07-IBM-Launches-500-Million-Enterprise-AI-Venture-Fund

https://thealliance.ai/

10) IBM and Universities Advancing Quantum Education

https://newsroom.ibm.com/2023-12-13-IBM-and-Top-Universities-to-Advance-Quantum-Education-for-40,000-Students-in-Japan,-South-Korea,-and-the-United-States

11) Cognitive Class, which is from IBM

https://cognitiveclass.ai/

12) Guest Lectures, a searchable data base for topics from IBM experts. Delivered virtually, though in some cases in-person can be arranged.

https://www.ibm.com/academic/lectures

13) IBM sustainability accelerator, designed to involve students and faculty in helping vulnerable communities by supporting two-year projects.

https://www.ibm.com/impact/initiatives/ibm-sustainability-accelerator