

Industrial Training Guidelines

CSCE 4950

This required course is intended to enrich the student learning experience by guaranteeing at least eight weeks of technical training before graduation.

Prerequisites: Junior standing.

Description

Each student is required to spend a minimum of eight weeks in some related computer training in Egypt or abroad. A report followed by discussion is submitted to a departmental committee for evaluation.

When Offered

Fall and Spring.

Expectations:

The intent of this training is for students to gain hands on experience working in a production or research like environment related to the domain of computing. The following expectations hold:

- The internship duration is a minimum of eight continuous weeks. In exceptional cases, and subject to approval of a strong petition, the internship may be split into no more than two four week durations. Petitions are submitted to the administrative affairs officer of the department.
- A report will be delivered to the course professor before the end of classes that includes as a minimum:
 - The name of the organization and department you worked for.
 - Preferably, two contact persons (name, and email) within the organization used as a reference for you.
 - **Details** on the type of work you underwent, and what you learnt throughout your training duration(s).
 - A formal letter from the organization (with the signature and email contact of your team lead) attesting to the type of tasks that were assigned to you, and your overall performance during the training duration.
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- Examples of higher end training include but are not limited to:

- Working for an organization in Egypt or worldwide on cutting edge computing projects, using state of the art technology.
- Working with a supervisor on a research project, being involved in the research aspect, and development activity, while eventually working on producing a publication.
- Examples of lower end training that may **not** be sufficient to pass or may lead to a lower end grade includes but are not limited to:
 - Working in an organization on a project with minimal or no impact.
 - Working with computing technologies that are vocational by nature and/or semi-obsolete and do not amount to a skillset of an aspiring Computer Scientist or Computer Engineer. This includes but is not limited to working as a technical support specialist, developing a trivial website, or simply helping configure a non-complex network.
- Working in startups on cutting edge technologies and innovative projects is also encouraged.
- Before engaging in their industrial training, students are strongly encouraged to submit a detailed description of the work they will be doing, along with a contact at the organization, to the department and obtain pre-approval of their training. Pre-approval does not imply a certain grade in the course, but only implies that the proposed training provisionally meets the minimum expectation.
- The department may be in touch with the contacts at the indicated organizations to verify or follow up on progress of students.
- Amongst many, the course professor in any semester will be responsible for:
 - Advising and assessing the minimum needed standard of industrial training proposals for students undergoing training in the future.
 - Assessing the satisfaction of completed training by students.

Please remember, training must be related to computing for it to be considered. It is your responsibility to plan early for your industrial training and to seek opportunities early on. Training that cannot be verified by us will not count. Bottom line, if you are not very proud of the training you received, it is probably on the low or nil end.

Good luck, and stay competitive!