Pathway in Enterprise Systems Engineering (PENS)

PENS Project Internship Model for IT Students

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Staff Hiring

Usually newly hired staff are given a period of 3-6 months in order to be   productive in the company.

This period could be shortened depending on each person.

Not only IT skills are delivered. Team work, communication , Institution rules etc.

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Aim

The internship Model assists Palestinian education institutions programs in providing skill development that is relevant and useful, and it aligns graduates and their skills with industry needs, through internship experiences.

Need

Usually Academic institutions do not afford to provide enough practical training and to some degree even coping up with latest innovations in technology comes a bit late.

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University Curricula

Most of the work students do at the university is a graded work governed by the university curricula and making changes or amendment sometimes not easy and takes time due to bureaucratic reasons.

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Final year

Near graduation, students are given few weeks of training at Palestinian software companies.

However, this training is not enough and they should get involved earlier in order to grasp know-how that is usually delivered to them in a short period of time.

Internship Model

Students should be exposed to training at an earlier stage.

Thinking of training should be a joint venture by the university and the IT company

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How

We think that the model is composed of the following :

1- IT company staff can be involved in both the theoretical and practical delivery of courses.

2- Selected students can be hosted for an agreed period of time at the IT company.

Memorandum

A memorandum of understanding can be signed between the university and the IT company for cooperation in selected topics and with a definition of tasks for each institution.

IT company may recommend certain topics in the curricula ?

Implementation

Example : Pathways in Enterprise Systems

Mostly taught over a 16-week period/Semester

Let us assume a 3-hour meeting each week.

Exclude exams, around 40-hours during the semester

Teaching at the University Premises

IT company to deliver around 3 hours/sessions of Theoretical lectures

IT company staff can share know-how in the practical labs .. Another 2 hours.

This involvement is a suggestion only and can be adjusted in the memorandum

At IT company premises

Host as many students possible at the company

They are given training and can be exposed to practical know-how

This hosting can be done outside teaching hours of the course.

Other Considerations

Involve as many as IT company as possible and the diverse contributions can be more helpful to enrich the courses.

University should be flexible to handle special considerations for each **course including evaluation/grading issues**

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Concerns

IT companies will lose interest over a long period of time.

Students are not adhering to training schedules and do not attend to the IT company.

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Thank you for your attention!

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