Integration of Intellectual Property Rights into Engineering Curriculum

Sertaç Köksaldı
Istanbul Technical University
Arçelik A.Ş.

International Workshop
Istanbul, 21 February 2008

arçelik

IPR and Engineers

- To protect their creative work
- To avoid infringement of third party IPR

arçelik

IPR in Engineering Curriculum

- Not included in the current curriculum
- Non systematic approaches
- Introductory level seminars to İTÜ and ODTÜ Mechanical Engineering seniors since 2003

arçelik

Proposed Course Content

Level A	What is IPR?
Basics	Basics of copyright, trademarks, patents, designs.
	What are the opportunities and threats?
	How to find related information and expertise?
	Introduction to patent searching.
	Patents and Product Development
	Non-disclosure agreements, confidentiality
	Know-how protection
Level B	Lifetime of a patent, procedural aspects
Advanced	Patent searching
	Reading and understanding a patent
	Preparing a report of patents in a selected field.

arçelik

Course Organization

	To whom?	When?	How?	Duration	Who will teach?
Level A Basics	All engineering students	Sophomore year	Stand alone seminar	3 hours	TPI staff Faculty of Law schools Attorneys at Law Patent attorneys
Level B Advanced	All engineering students	Senior year	Integrated into the design project	6 hours seminar	Patent attorneys TPI examiners

Proposed Organisation

- A project that was led by Turkish Patent Institute (TPI)
- In phase I, a university from each of the following cities: İstanbul, Ankara, İzmir, Kocaeli, Bursa, Gaziantep, Kayseri, Adana
- Mechanical Engineering Departments
- TPI arranges the external experts
- Travel and accommodation sponsored by TPI
- For a two year time frame budget is 200,000 €
- Performance measurement through a survey to be completed by seniors after the project

References

- High S.M. And Rossler P.E. (2005), Legal studies curriculum for technical professionals, Proceedings of the 2005 American Society for Engineering Education Annual Conference and Exposition, American Society for Engineering Education, 2005.
- Koksaldı S., Intellectual Property in Engineering Education, paper presented at the 1st National Engineering Congress, Foça, Turkey, 21 May, 2004.
- Sheppard K. And Gallois B. (2002), Implementation of Technogenesis in the undergraduate engineering curriculum, Proceedings of the 2002 ASEE/SEFI/TUB Colloquium, American Society for Engineering Education, 2002.
- Soetendorp R., Roach J., McLaughlen R. And Childs B. (2006), Integrating a key but not core topic into the engineering curriculum, paper presented at the 9th International conference on Engineering education, San Juan, Puerto Rico, 23-28 June, 2006.

arçelik

Thank you...