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An Experience on Problem Based Learning in an Engineering Faculty

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Abstract: In 2001, Engineering Faculty of Dokuz Eylül University has started to change its undergraduate education in a radical way. As being among the first examples in the world, the Departments of Electrical and Electronics, Geological and Geophysics Engineering in 2002 and Mining Engineering Department in 2003 have adopted the so-called "modular-staged problem based active learning system". The system is based on real engineering problems which values teamwork and the integration of information from different disciplines and it places the student at the center of the learning process. The faculty has learned many things and it needs to learn many other things on how to write a real world engineering scenario, to facilitate the construction of learning environment that the students must do by themselves, to assess students' performances in a compatible way to the implemented education system, to evaluate educational programs for continuous improvement and to integrate educational activities with research done in the departments for mutual benefits of students and faculty staff.

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