

'A New Kid on the Block' - GSEP

GEDC – Top Tips Session
Nov. 9, 2016



Graduate School of Engineering Practice
Seoul National University

Who?



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- DOB: March, this year
- Name: Graduate School of Engineering Practice (GSEP)
- Parents: SNU CoE and Korean Industries

A Big Problem in Korean Industries

- **Industries are NOT satisfied with their engineers**
 - Weak engineering fundamentals
 - A survey in '15: 92% agree that it retrograded
 - Weak industry-ready knowledge
 - 'H' Univ. Ch.E.: Compulsory credits decreased from 96 ('75, 160 credits) to 36 ('14, 140 credits)
 - Weak problem identification and solving skills

Countermeasures by CoE



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- Started from **industry voices**
- **Re-education** of engineers
- **M. Eng.** degree without thesis
- **Project-based** curriculum
- **Full-time** enrollment, but **flexible**
- **Industry-oriented** education
- **First** of its kind in Korea

A Few Details

- **Project-based and tailored curriculum**
 - 2 advisors: academic advisor and project advisor
- **Team teaching**
 - Mathematics, Physics, Chemistry, Engineering Project Management, Smart Industrial Systems, ...
- **Utilization of knowledge and specialties of the institutions in cooperation**
 - (ex) EDRC* for plant engineering, IPMA** for project management
- **Intensive program**
 - '27 + 9' credits, most of 27 are encouraged to be completed in the first 2 semesters
 - Boot Camps in summer (Suzhou, China) and winter (Korea)

* EDRC: Engineering Development Research Center
**IPMA: International Project Management Association