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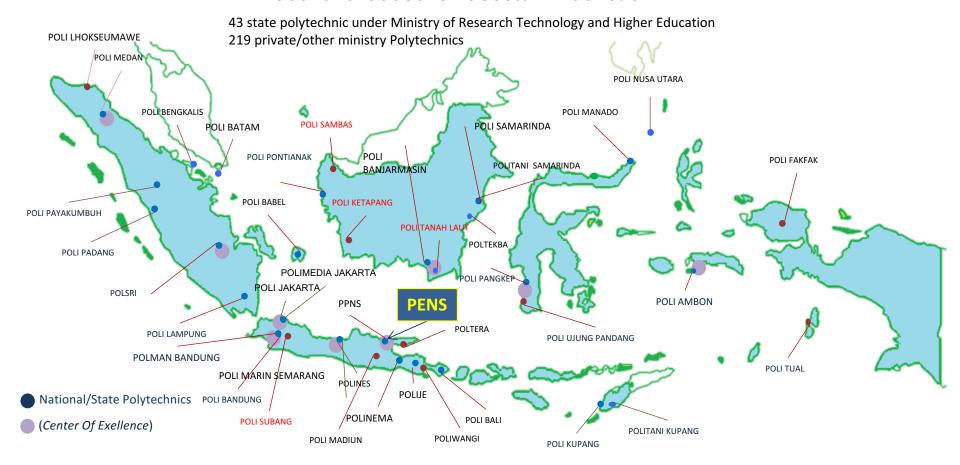




12-14 December 2017 • Asian Development Bank, Manila, Philippines

Vocational Higher Education Development

Guarantee the development and supply of vocational education access in Indonesia





7th International Skills Forum

Anticipating and Preparing for Emerging Skills and Jobs



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PENS Education Development phase

Politeknik Elektronika & Telekomunikasi, in short: PET (1988 to 1992), by Grant from Japanese Government

Electronic Dept

Telecommunication Dept

Politeknik Elektronika Surabaya, (1992 to 1996) Politeknik Elektronika Negeri Surabaya (PENS) (1996)

Electronic Dept

Telecommunication Dept

Electrical Dept

1st phase 1988-1998 Strengthening D3 program Strengthening
Education: by 2nd
Grant from Japanese
Government

Opening D4 program

2nd phase 1999-2008

Strengthening D4

program

Applied Master program 2012

- Electrical Eng.
- Informatic & Computer Eng.

Proposing Applied Doctoral program 2020

3rd phase 2009-2018 Graduate program National/Int ernational recognition



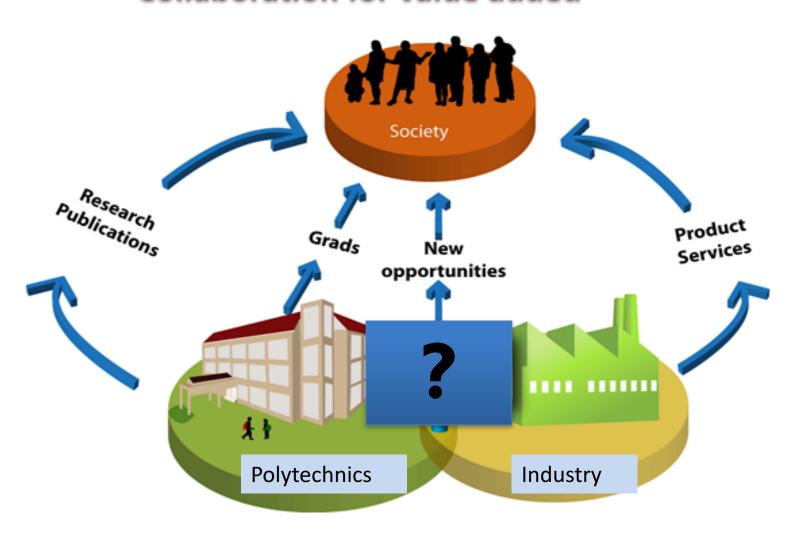
Continuous Industrial/Institutional networking program





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Collaboration for value added







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Important factor of Vocational Education: Strengthening Industrial Networking

Synchronization to close the gap

Polytechnics/ college



- Recruitment program
- Internship program
- Joint research program
- Teaching factory*
- Tracer study*
- Lecture guest*
- Curriculum collaboration*



*partially supported by ADB

Industrial/employer/ market demands





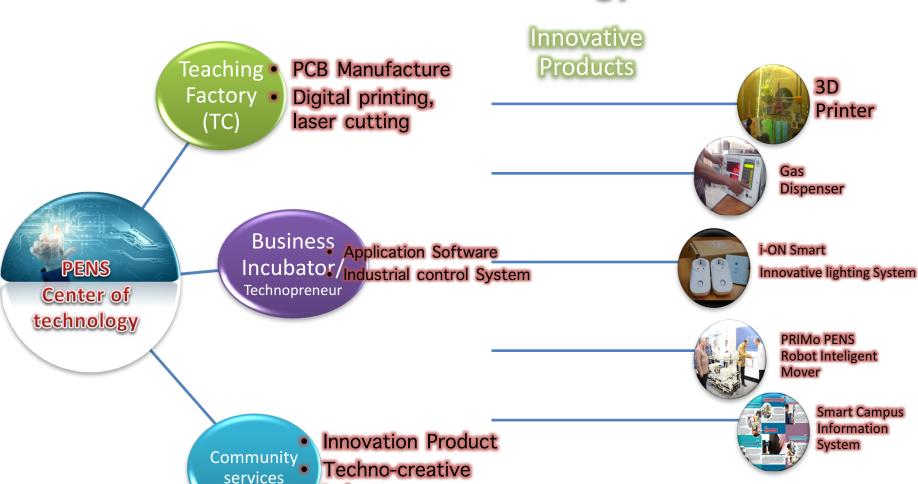
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PENS Center of technology

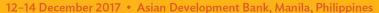


Industry



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Anticipating and Preparing for Emerging Skills and Jobs





COT Hand over by ADB President & DG of DGLSA MORTHE At PENS, on February 2017

Opening meeting and discussion



3D Printing



PCB Manufacture



Ion Smart Appliance control



Launc of CoT



Door stop by Pers







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Conclusion



Impact

• Polytechnic education contributes to national socio economic development

Outcome

- Good and potential networking with stake holder
- Increased good facility and equipment for students experiments
- Holistic and integrated education system
- Good governance of business incubator

Output

- Increased Third party involvement in CoT
- Good competitiveness of students
- Competence student

obstacle

- Still need an additional equipment for best product
- Long way procurement process