

Internationalization of Informatics Education

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Where innovation starts

Internationalization

Too few informatics students graduating to satisfy job market

Cannot fill our own jobs

Gives a need to attract from elsewhere

Do not expect financial gain

PhD students

- **At most Dutch universities: 4 year jobs**
- **In informatics: more than half from other countries, with Master degree**

PDEng students

- **3TU has 11 programmes**
- **2 year jobs, ‘super-engineer’**
- **3 in IT domain: USI, ICT and Software Technology**
- **More than 75% foreign, with Master degree**

Bachelor Master

- **Most Dutch informatics master programmes are 2 year**
- **Many English language enabling internationalization**
- **Open website**
- **Set up scholarship programme paid for by local industry:
TU/e scholarship foundation**

Partner Universities

- **Search for preferred partners**
- **India is important in software**

Indian universities and institutes

- **IIT Delhi Bombay Guwahati**
- **IIIT Hyderabad Bangalore**
- **IISc Bangalore**
- **TIFR Mumbai**
- **Manipal University**
- **Vellore IT**

Manipal University

- **Medical**
- **MIT**
- **Private**



Dual degree program

- **M.Tech. Software Engineering MU**
- +
- **M.Sc. Computer Science and Engineering TU/e**

- **First year Manipal, second Eindhoven, plus three year contract in industry**

First batch

- 26 August 2008



Companies

- Philips
- Capgemini
- Cordys
- ASML
- Océ

Key Points

- **For companies: skilled personnel knowing both cultures**
- **For MU: status, upgrade**
- **For TU/e: more students, internationalization**

Universities in India

- **Comparable to Europe**
- **A bit old-fashioned**
- **Not so much contact with industry**
- **Most Bachelors go to industry through campus placement, to TCS Infosys Wipro etc.**
- **Selection at all levels through tests (GATE), fixed quota**

Student teacher

- **Work hard, not much free time**
- **Campus with all facilities**
- **Authority but interaction**
- **Teachers also go to industry**

Other remarks

- **Family ties**
- **Solution driven, follow recipe, precise**
- **Salaries in software industry are high**

Conclusion

- **Europe can take part of the outflow of students from developing countries to USA**
- **This takes long-term investment**
- **In an outsourcing relation, professionals who know both cultures are important**