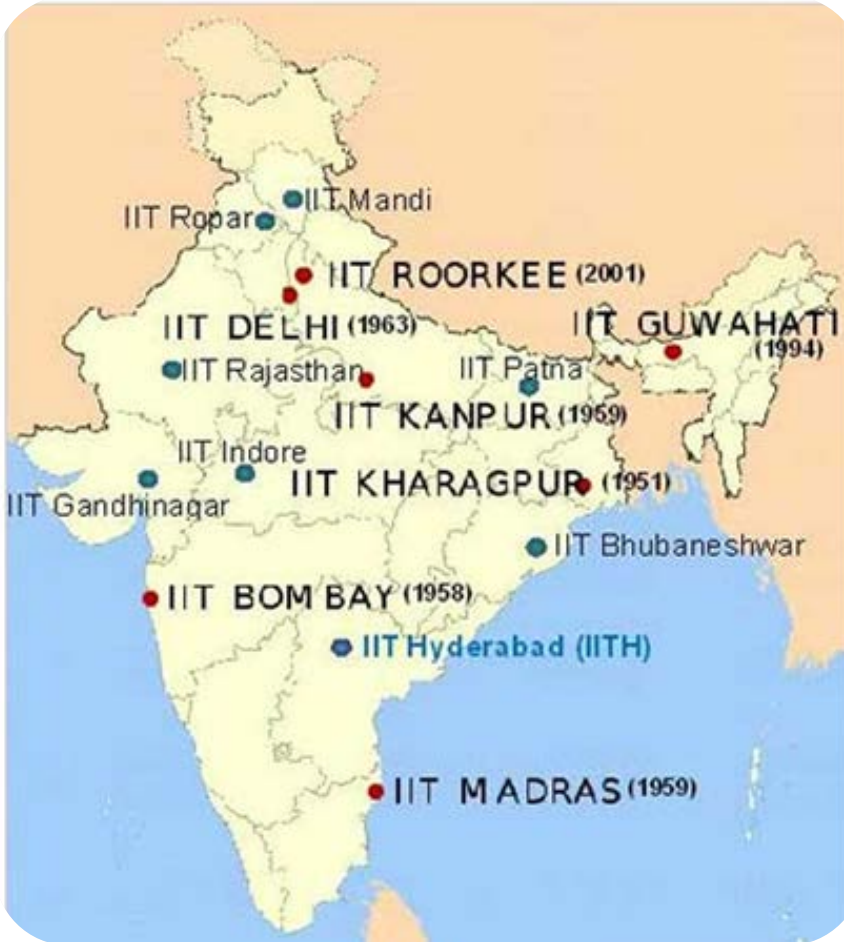


IN THE RIGHT DIRECTION TO INDIA...
*Indian Institutes of Technology (IITs) –
Finnish Consortium Cooperation*

Kit Srinivasan

7.5.2015

Understanding India's Elite – The IITs



- 16 in a consortia
- Autonomous
- India -Top 10 &
- Asia – Top 50
- Technology & Eng.
- Centrally funded
- National Research Infrastructures
- Strong Industry-Alumni Links

The path to IIT Cooperation.....



Sep. 2013

*Visit of Indian
Delegation to
Finland*

April 2014

*Aalto Delegation
Visit to IIT
Bombay*

Oct. 2014

*Signing of MoU
16 IITs & 12 Finnish
Univ. Consortia*

Progress of IT-Finnish Cooperation

- Committed contact persons
- CIMO – India funding for educational cooperation
- Erasmus+ - Global Mobility Funding
- Joint seminar on 'Health' (Autumn 2015)
- Research seminar on 'Energy' (Early 2016)
- Independent bilateral cooperations
- Diverse research projects

Consortia - The recipe to IIT cooperation



JICA –FRIENDSHIP Project

Project on "Future Researchers at Indian Institute of Technology Hyderabad to Enhance Network Development with Scholarship of Japan"



RESEARCH THEMES CURRENT PROJECTS IRISH CONSORTIUM INDIAN CONSORTIUM FUNDING RESEARCH IN IRELAND

- *Consortia*
- *Ministries*
- *Industries*
- *Alumni*
- *Joint Funding*
- *Thematic Research*
- *Doctoral Education*
- *PhD/Post Doc. Mobility*
- *Stipends/Scholarships*

Largest India-UK ICT research collaboration gets £10 million funding boost that could benefit millions

In a move to strengthen its global presence, the Indian Institute of Technology, Bombay, will set up a Centre for Urban Science and Progress in New York as part of a global consortium that includes New York University, City University of New York and Carnegie Mellon University in the US, Canada's University of Toronto and the UK's University of Warwick.

Why India needs Nordic Cooperation?

- **Grand societal challenges**
- **Access to global research infrastructures**
- High standards of research and education
- Great success in promoting innovation
- Nordic interests in 'developing technology transfer'
- Better utilization of RDI funds
- **Capacity building in research & education**
- Move towards National/International qualifications framework
- Strong, value added and 'meaningful relationships'
- **Access third-party funding such as the EU**

India's offering...

- **2010-2020 – India's Decade of Innovation**
- **12th Five Year Plan (2012-2017)**
 - comprehensive RDI National Fund
 - policy guidelines for science & technology
- **National Innovation Council**
- **High demand for education**
 - 40 million university places by 2030
 - 500 million in educational sector
 - >500 universities and 25,000 colleges
- More than 250 global firms – R & D centers

Ways to go forward.....

- **Closer Institutional Engagements**
- Long term multi dimensional relationships
- **Research collaboration in STEM**
- Meeting needs of '**next generation**' students & **early stage researchers**
- **Developing research capacity of private/autonomous institutions**
- Expertise in Digital learning technologies
- **Entrepreneurship education/links with Industry**
- Conferences, policy dialogues, networks

THANK YOU!

Sources;

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- Visit of Aalto University: Welcome (Devang Khakhar, Director, IIT Bombay, April 2014)
- Kakodkar committee's report "Taking IITs to Excellence and Greater Relevance" (2011)