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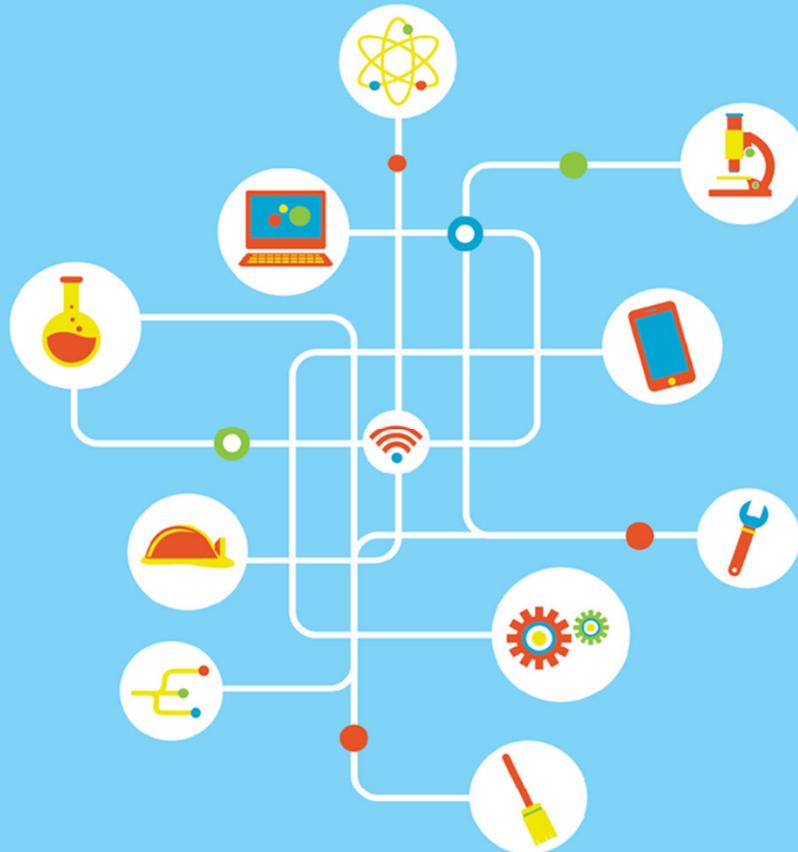
# 2016 ADB International Skills Forum Innovative Practices in Skills Development

19–21 September 2016 • ADB Headquarters, Manila, Philippines

**Managing Director: Coder Factory Academy**

**Raman Nambiar**

**21st September 2016**



# Mr Raman Nambiar Managing Director

## *Digital Literacy*

*[Session 9: Blended & e-learning  
to transform teaching & learning]*



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# Education Disruption

- Vocational focus
- Self directed learning
- Gauging success



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# Online learning

- MOOCS
- Online content generators
- Student retention
- Broadcasting



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# Create your future

- Program or be Programmed
- Is it really that hard?
- Not just roast chicken



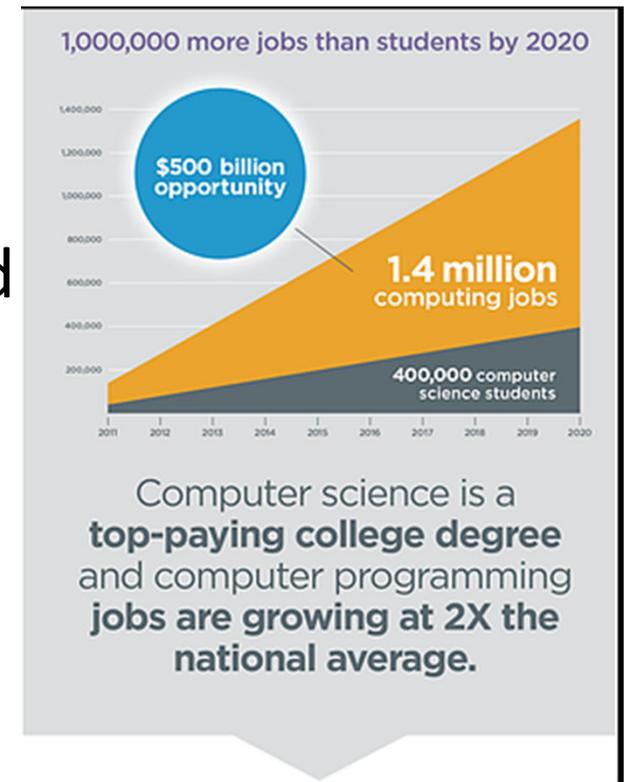
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# Industry demand

- Not enough graduates
- Graduates lack practical skills
- New languages every 6 months
- Emerging tech opportunities wasted



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# Other problems

- Gender imbalance
- Cultural imbalance
- Demographics



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# Boot camps

- Super intense 40+ hours per week
- Solve problems- practical skills
- Employability
- Code quality
- Industry Engagement

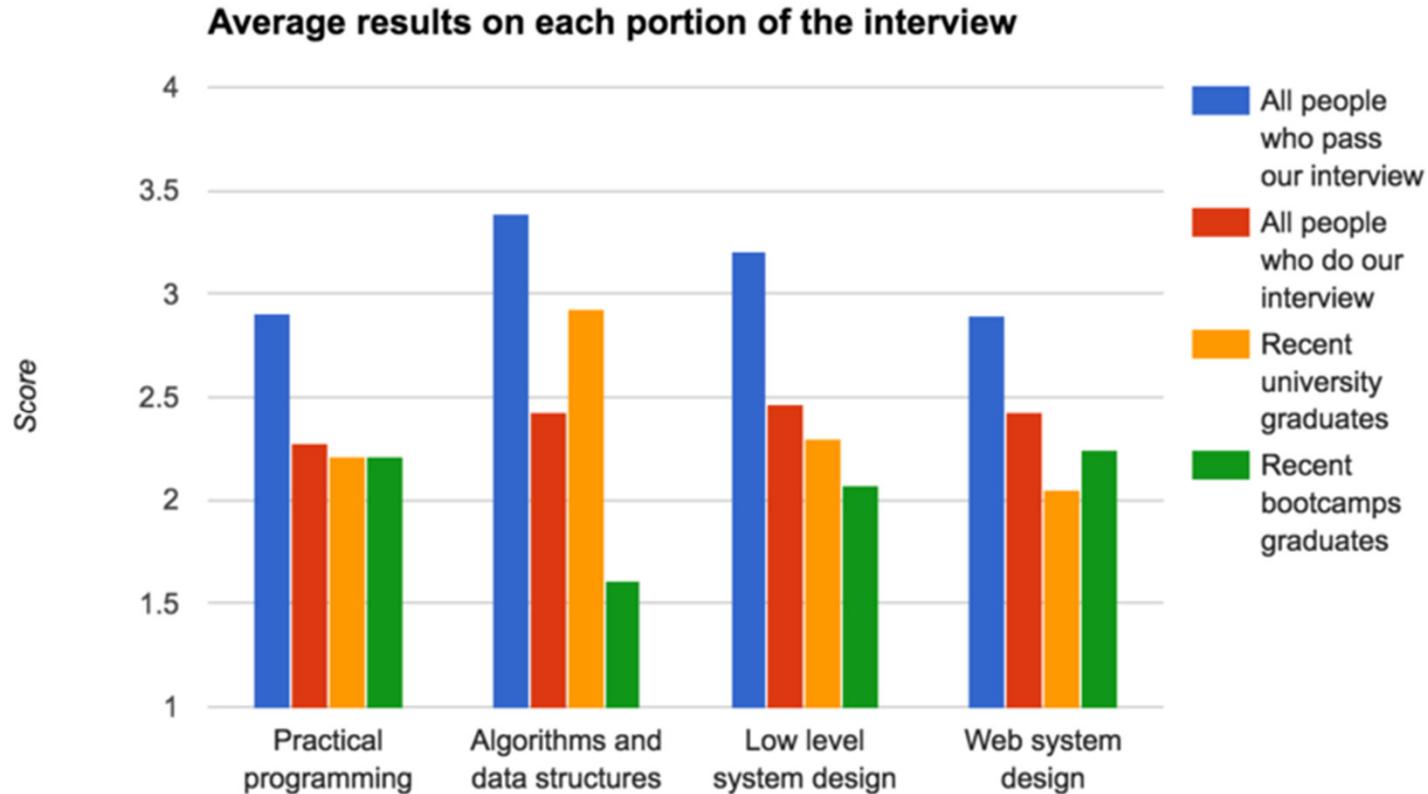


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# Boot camp results



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# Women in Tech

- Scholarships
- High school training
- Corporate sponsorships
- Industry engagement
- Community groups



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# Coding in schools

- Recognition of current problem solving approaches
- Collaboration with traditional STEM curriculum
- Use of tech and non tech resources to demonstrate logic
- Introduced at the primary level
- Myth of technical generation- can use tech but not create and apply problem solving aspects



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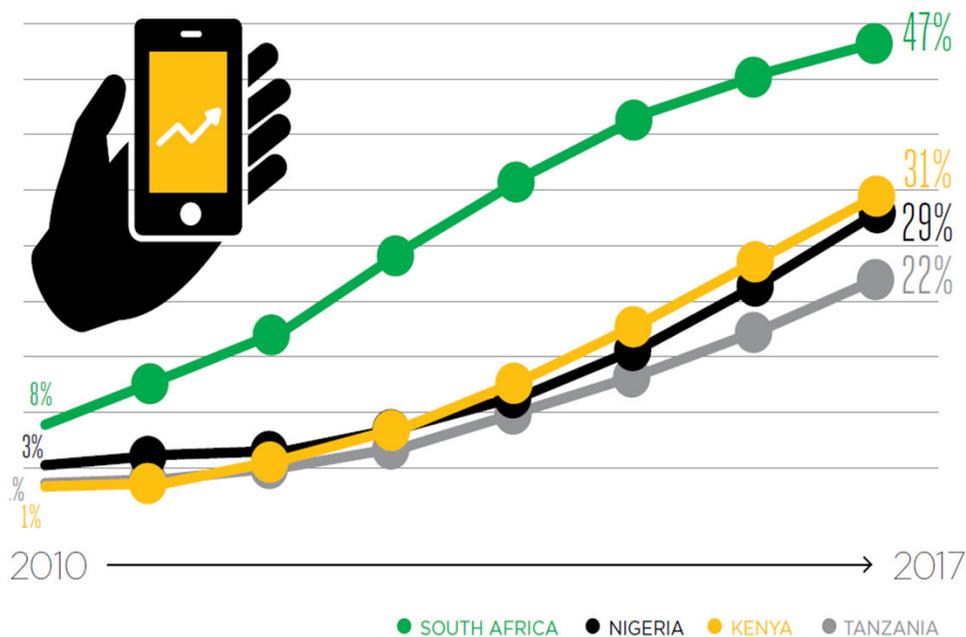
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# New world

## SMARTPHONE PENETRATION

SELECTED COUNTRIES SSA



Source: Strategy Analytics

Older native platforms being replaced by hybrid app development



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# New reality

- Cloud based technology
- Low cost monthly services
- Buffet of APIs



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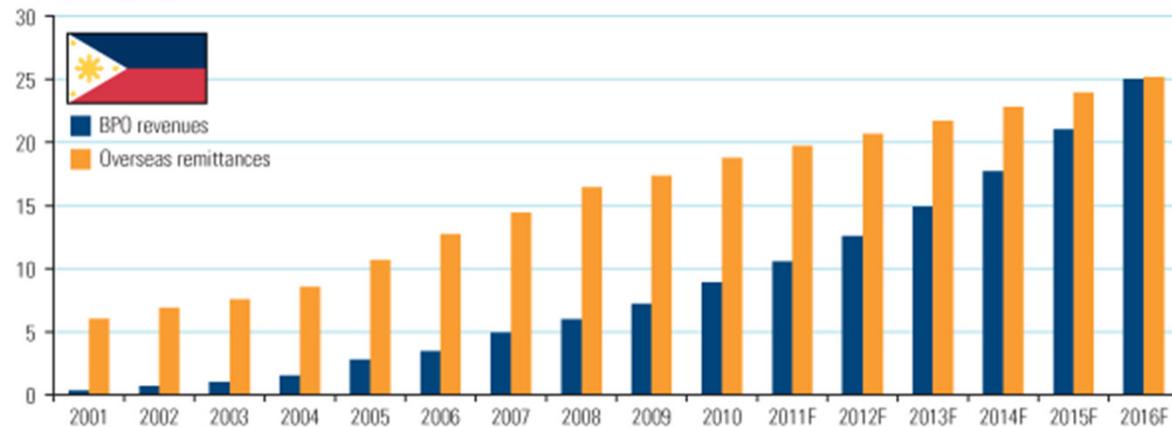


# Job opportunities

- Knowledge Process outsourcing growing globally at 23% per year

**The Philippines BPO and Overseas Remittances Should Each Grow to \$25 Billion**

In billions of dollars



Source: CLSA Asia-Pacific Markets, BSP, Business Processing Association of the Philippines (BPAP)

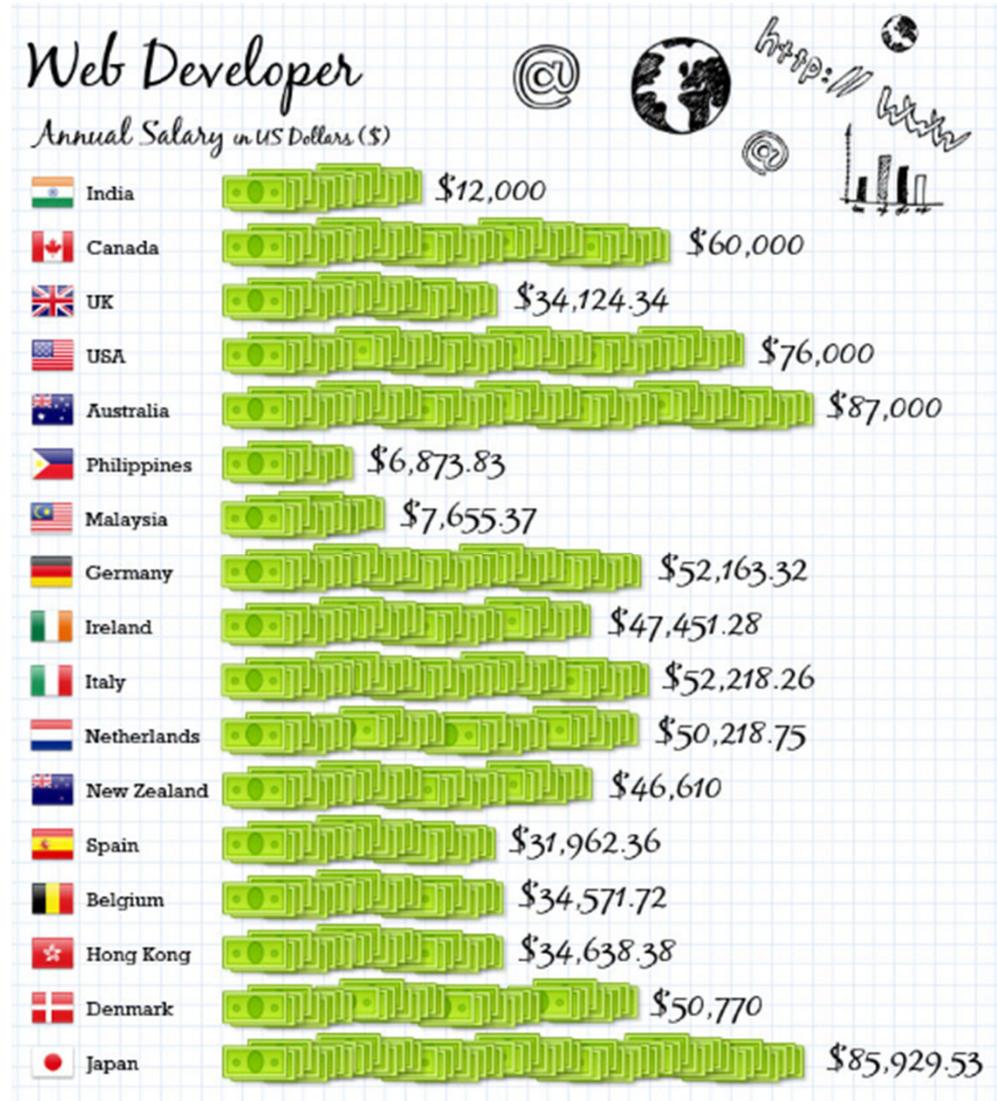


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# Jobs cont.



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# Jobs cont.

IT graduates no longer just in IT positions

IT skills now integrated with broader business

Figure 2.1: ICT occupations on LinkedIn – word cloud\*



\* Larger text indicates more frequently referenced words

Source: LinkedIn customised report (2016)



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# Jobs cont.

Table 2.4: Industries with the largest share of ICT job advertisements, 2015

1	Information technology and services	11	E-learning
2	Computer software	12	Financial services
3	Internet	13	Human resources
4	Electrical and electronic manufacturing	14	Computer games
5	Information services	15	Telecommunications
6	Staffing and recruiting	16	Military
7	Computer hardware	17	Banking
8	Computer and network security	18	Government administration
9	Consumer electronics	19	Accounting
10	Computer networking	20	Hospital & health care

Source: LinkedIn customised report (2016)



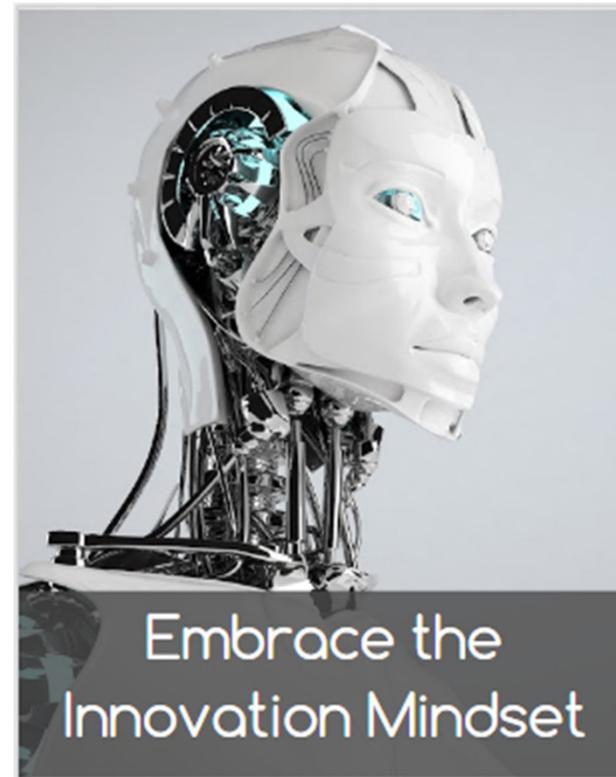
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# Corporate coders

- Sales
- Marketing
- Finance
- Human Resources
- Legal
  
- Hackathons
- Upskilling
- Communication



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# Stakeholders

## Government

Student loans

Teacher training in Digital curriculum

## Private Sector

Student loans

Sponsored digital curriculum

## Funding agencies

Niche areas of demand



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**Thank You**

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