Jobs and Skills: The Imperative to reinvent and disrupt

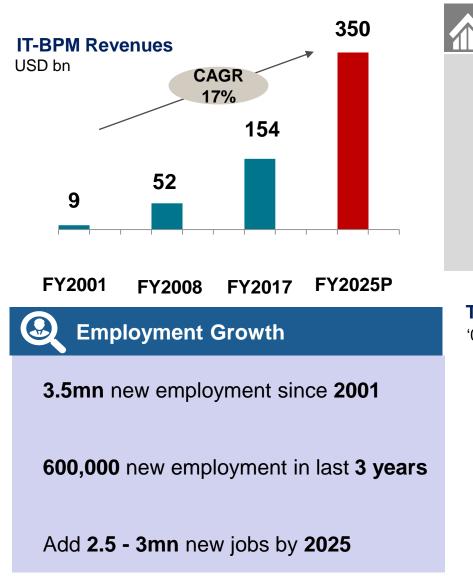
18 May 2017

High Impact Sector of India

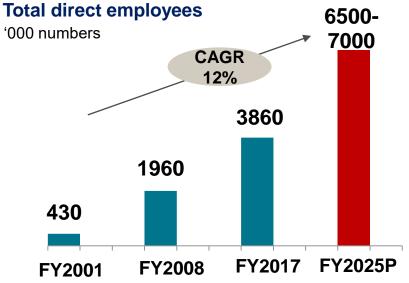
3.9 mn	\$154 bn
Largest private sector employer	Growth sector – 3 sub sectors with revenues of over \$ 20 bn
1/4 th Share in total services and merchandise exports	Created technology brand for India globally

Multiple Inflection Points for the sector

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Alarming Scenario Projected: Bitter truth or Bizarre Fiction?

Automation, slowing growth push IT lay-offs



Layoff time: Techies branded non-performers to cut costs IT to layoff up to 200,000 engineers for next 3 years

IT and the story of pink slips IT layoffs: Are slow growth and automation responsible for mass job cuts in the sector?

A warning from IT

Protectionism & automation make skilling India vital

Why being a techie in India is no longer cool

IT jobs crisis: Automation, skill standards, ageism all play a part

continue for 1-2 yrs

TECH CHECK A double whammy of automation as well as lack of key skills among those fired may result in many of the them being unemployed for a while

Experts See Bleak Future Layoffs in Indian IT may for Sacked IT Employees

Layoff Crisis in IT may be **Bigger than 2008 Recession**

Key Facts

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- Reports of mass layoffs in the sector are categorically rejected. NASSCOM and top industry leaders have said this and reiterate it.
- 2 Hiring continues across the sector. FY 2017 saw 1,70,000 added; Q4 FY 2017 alone saw gross hiring of over 50,000 by top 5 companies;
- 3
- Performance linked workforce realignment impacting 0.5 3% of the talent pool remains key competitive strategy. No change in current year.
- Industry will remain a major net hirer in FY 2018; There is a continuing
 gentle deceleration in net hiring growth rate (but with a growing base) as industry focuses on innovation, enhanced efficiencies and lower attrition
- 5

Emphasis shifting from scale to skills. In demand: technical competencies (especially in new technologies) & soft skills; Automation cannibalizing some jobs and creating new ones, net impact positive due to growth

6 Industry investing heavily in reskilling its workforce; half the workforce covered by reskilling. NASSCOM creating collaborative skilling platform

7 Huge untapped opportunity ahead – this can be the next growth wave for the sector – companies and employees – need to tackle skilling challenge

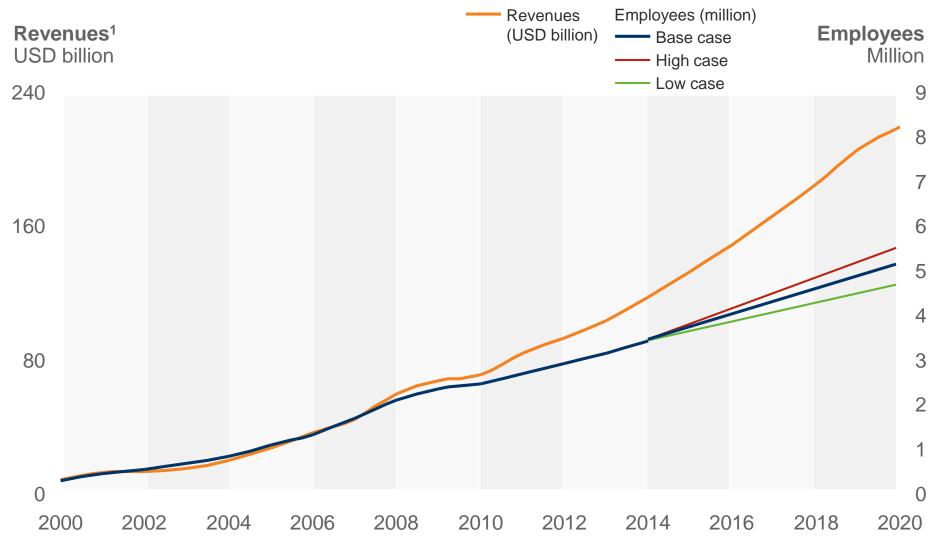
FY 2017 Indian IT-BPM Skills Landscape



TALENT POOL		HIRING MODELS	
3.9 million	Largest private sector employer	4-5%	Contract employees
~1.7 lakh	Net addition	~40%	Lateral hires
~12 million	Indirect Employment	>130+	Nationalities employed

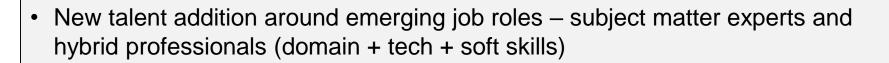
RISE OF TECHNOLOGISTS		IMPROVING PERFORMANCE METRICS	
~30%	Tech talent in BPM; technical career tracks in companies	~10%	Increase in utilization in 5 years
~10%	Hires are domain experts	~9%	Growth in revenue/employee in 5 years
~5%	Hires among end-users are tech	~5%	Decrease in industry attrition

Decoupling of revenue and headcount likely to accelerate over next few years



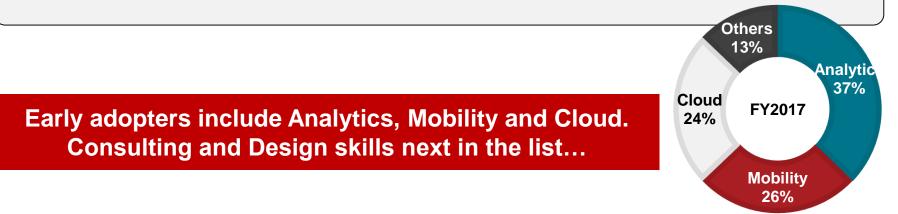
1 Includes revenues (domestic and export) from software products and services, BPM, ER&D and IT hardware

Over 50% of employees from leading companies already trained in Digital technologies



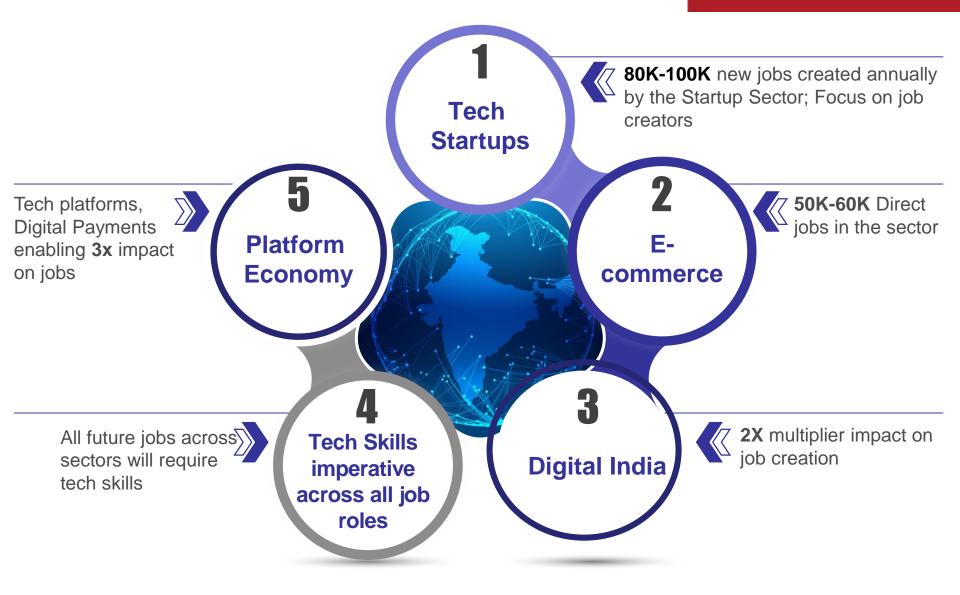
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- **New job roles:** Cybersecurity, mobile app development, new user interfaces, social media, data scientists, platform engineering
- **New skills:** Big data analytics, cloud & cybersecurity services, IoT, service delivery automation, robotics, Al/machine learning/NLP, etc
- **Subject matter experts**: Graphic designers, humanities, sociology, security, finance, payments

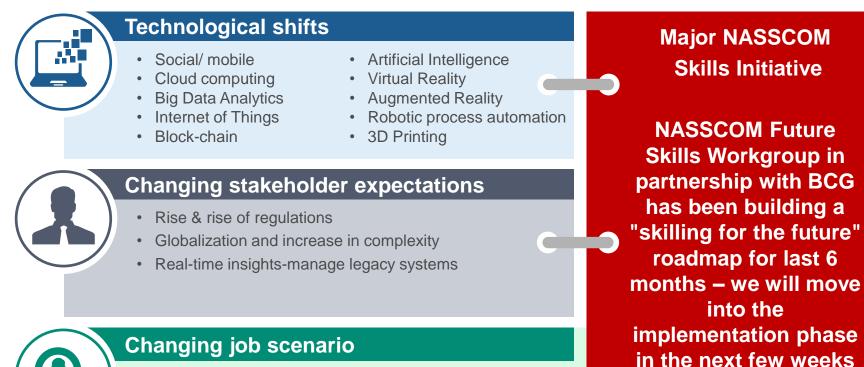


Technology as Enabler creating new job opportunities

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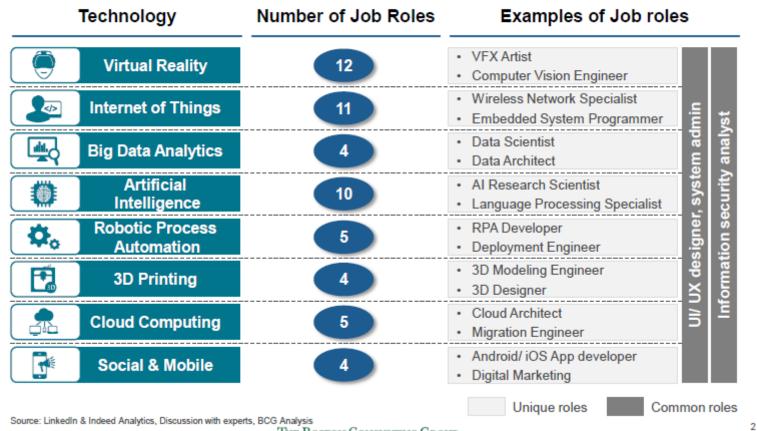


...however Employees and Employers will need to prepare themselves to adapt to the changing job environment



- New areas of work are opening up (as technology embeds itself more deeply within different industries)
- Existing service lines are being transformed through increasing intelligent automation
- ~50-60% jobs would require new skills

55 new job roles identified across 8 technologies



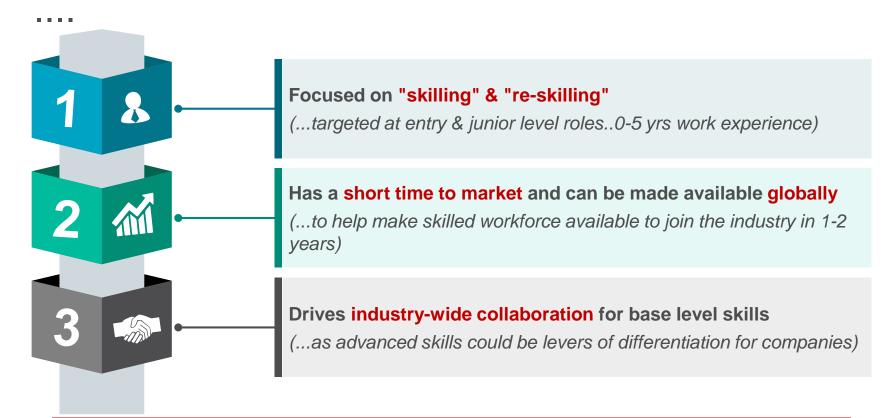
THE ROOTON CONSTRUCTION CROWN

Source: NASSCOM

NASSCOM Skills Initiative

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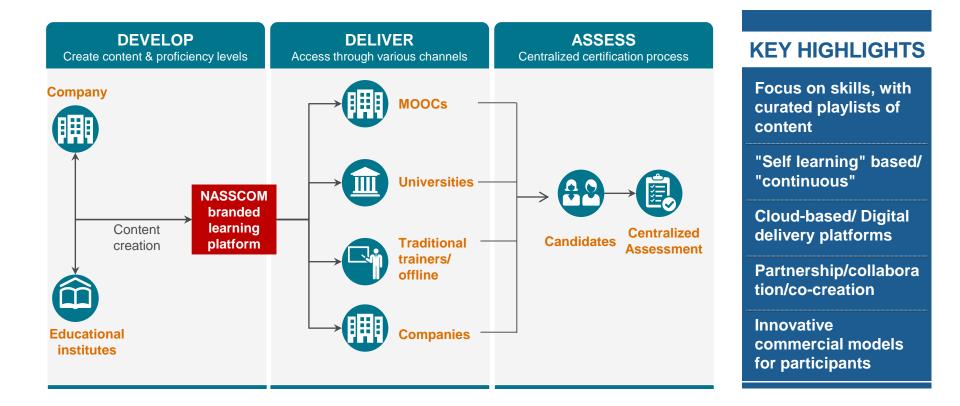
A collaborative learning ecosystem being put in place jointly by NASSCOM and Member firms...



This skilling/ re-skilling initiative will translate into **1.5-2M** people working on next-gen technologies in India within 4-5 years



.... that is primed for the future



The initiative is backed by member firms including TCS, Infosys, Accenture, Genpact, Google, Quatrro, NIIT, and ITC Infotech

Learning the Right Lessons from Two Major Recent Episodes in the Sector



Episode	Wrong Lesson	Right Lesson
Rumours of "Mass Layoffs" in IT Sector	"How can we stop workforce realignment by resort to regulation, employee activism, etc." (Impact: Decline in competitiveness, potential loss of existing jobs)	Focus on new age skills that are in demand globally – continuously refresh skills and fill the growing global skill gap (Impact: Accelerated growth, greater value add & revenues)
Recent Cyber Security Incident from "WannaCry"	"It did not have much impact in the country - we are safe and secure and don't need to act"	This is a low cost wake-up call. We need to urgently focus on cyber security: skills, technologies, practices and research. If not, we will be badly hit sooner or later

Learning the right lessons is essential for continued global growth and domestic security

Skills are the New Currency

Change is happening at an unprecedented scale and the lifecycle of skills is shorter than ever. Reskill or Perish is the mantra for the future – for both companies and employees

"If you have the right skills, you will not be looking for a job, the job will be looking for you"



Thank you