

HOW TO ROBOT-PROOF YOUR JOB



Advancements in automation are gradually creating a new world. And that under-construction world is abuzz with two kinds of reactions.



Fearing the takeover of humanity by machines



Taking it as a huge opportunity for magnanimous leaps by mankind into the future

IS THERE A THREAT?

Automation is predicted to threaten **800 million**₁ jobs across the world (by 2030)



India may lose **640,000**₂ low-skilled positions by 2021 owing to automation

India's IT services industry is expected to see a decline in its workforce by **14%**₂ by 2021

Experts believe that there is a **50%**₃ chance of AI outperforming humans in all tasks in 45 years

HERE'S THE GOOD NEWS!



AI will generate additional **2.3 million**₄ jobs by 2025 exceeding the 1.8 million it is expected to replace

Most of the jobs **(60 percent)**₅ contain activities that can be automated, however, the degree of automation potential varies from 9% and upwards

AI expansion is expected to generate **\$2.9 trillion**₄ in business value and recover 6.2 billion hours of worker productivity in 2021

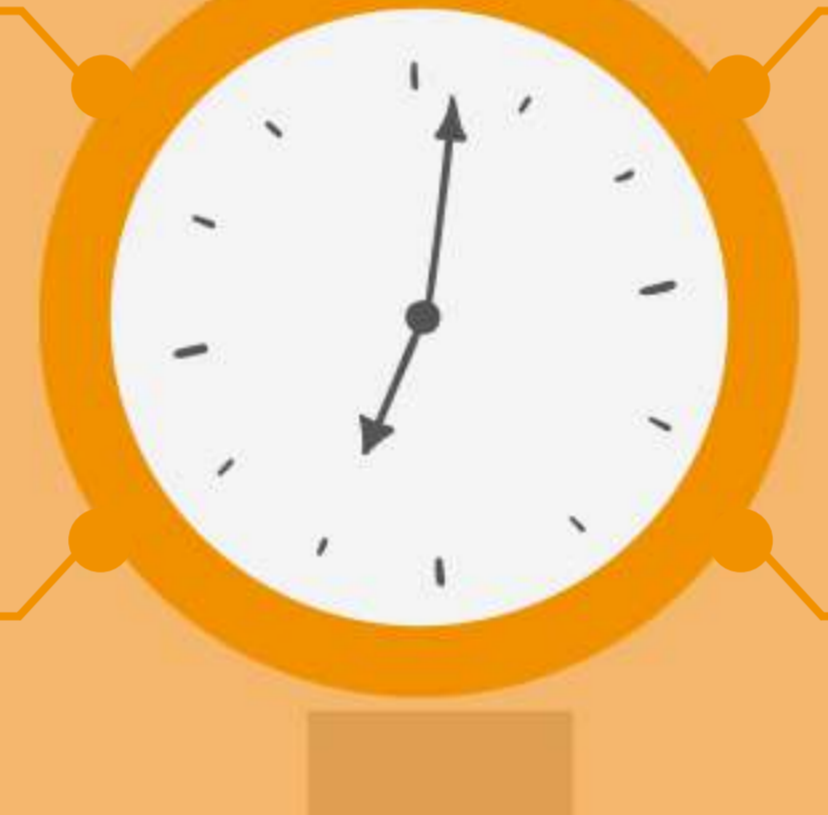
In India, mid to high-skilled jobs are set to see **160,000**₂ jobs likely to be created by 2021

It is expected that by 2020, Industrial Revolution 4.0₆ will usher in the era of advanced robotics and autonomous technology, artificial intelligence and machine learning.

While some jobs will disappear, some will be replaced by altogether new profiles that don't even exist today.

UPSKILLING – THE NEED OF THE HOUR

Constant learning and skill-building mandatory to stay competitive and relevant



By 2020, average salaries in the robotics sector will increase by at least **60%**₈

An estimated **2 million jobs**₇ are expected to be created by 2020

Still, more than **one-third**₈ of the available jobs in robotics will remain vacant due to shortages of skilled workers



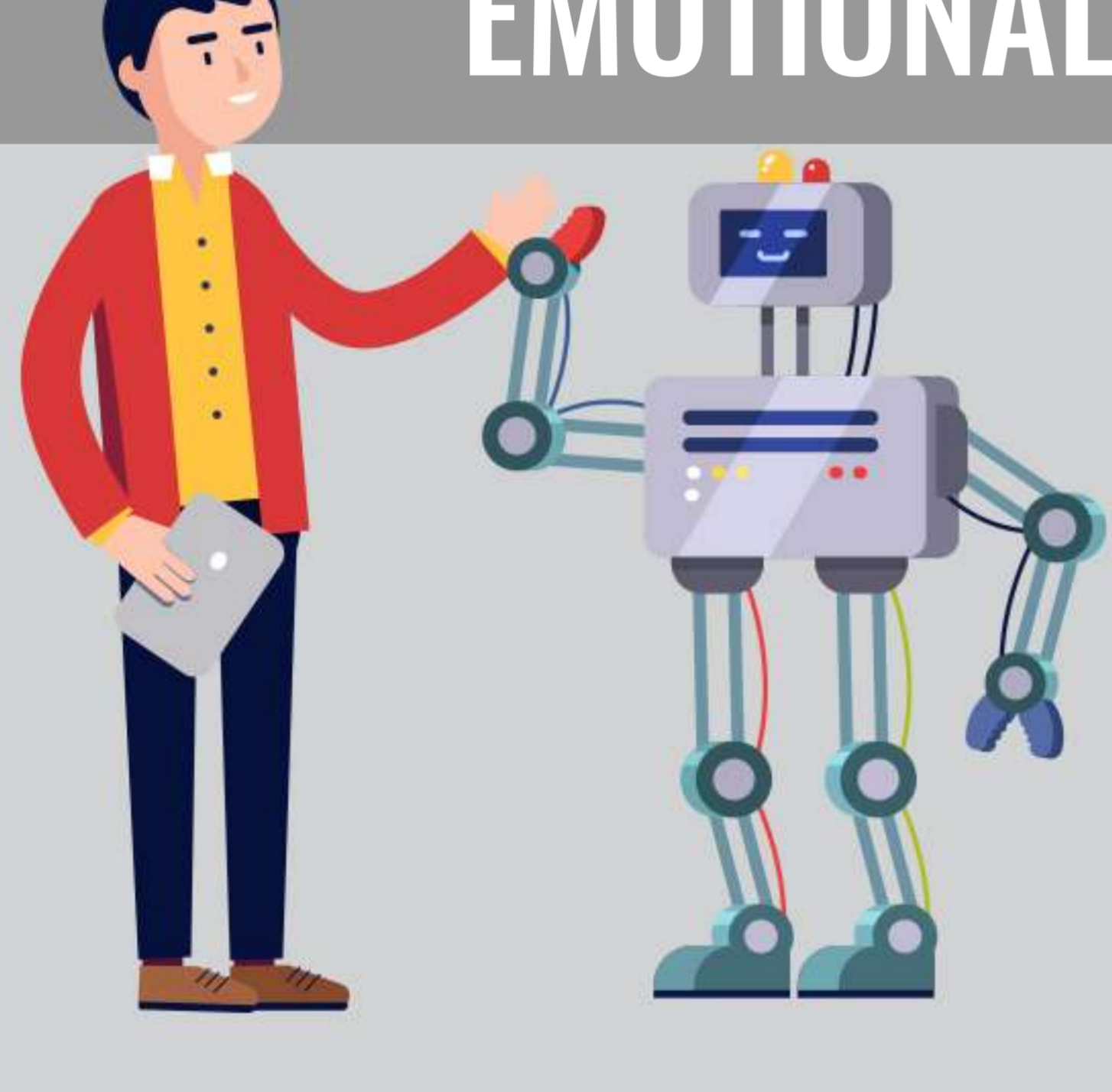
WHEN A ROBOT CANNOT REPLACE YOU

- ✓ When you use your experience-based intuitive gut, situational EQ, casual modelling, creative thinking and analytical thinking to solve complex novel problems
- ✓ When you exercise creative thinking and unprecedented or non-reinforced innovation constantly
- ✓ By 2019, 30% or more of the world's leading companies, will employ a chief robotics officer
- ✓ 9%₁₀ of India's 600 million estimated workforce would be deployed in new jobs that do not exist today, while 37%₁₀ would be in jobs that have radically changed skill sets



Several governments around the world are in the process of drafting or implementing specific legislations surrounding robots and safety, security and privacy.

AUTOMATION CRAVING EMOTIONAL INTELLIGENCE



Machines may need human help while dealing with people/ customers when there is:

- ✓ Confusion arising from unheard/ unfed situations
- ✓ Confusion arising from NLP limitations for anything unheard ever before
- ✓ Inability to decipher sarcasm, humor or bewilderment
- ✓ Generation of trust and co-operation becomes difficult

While scientists are working on all the above to make machines as much human-like as possible, the cognitive intelligence will take some time to build upon.

**According to the World Economic Forum₁₁, by 2020, over one-third of skills (35%) that are considered important in today's workforce will have changed. Out of the top 10 skills predicted by 2020, emotional intelligence is ranked #6.*

THE KEY TO SUCCESS - COLLABORATION AND EFFECTIVE CO-EXISTENCE

People make better decisions when human cognition is augmented by machine intelligence

Automation takes over the iterative tasks and allows us to focus on tasks that require creativity, emotions and strategic thinking

By 2018, **almost one-third of robotic deployments**₈ will be smarter, with robots working safely alongside humans



The future comprises of hybrid teams where machines will be in constant learning and evolution mode while humans will be continuing with their strategic value-adds.

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