ROBOT READY

Preparing for an AI and robotic future requires investments in education and innovation. The Economist Intelligence Unit (EIU) has compiled an Automation Readiness Index (www.automationreadiness.eiu.com)—a 25-country comparison of government-led efforts to shape outcomes of technological progress. Here's a look at a few of EIU's findings, and some observations from the consulting firm McKinsey & Co. (For more on the rise of the robot, check out this month's feature articles.)

81% of global automatable manufacturing hours and

49% of automatable labor value are in **developing countries**

2015 McKinsey Report

AUTOMATION READINESS INDEX

1. South Korea
2. Germany
3. Singapore
4. Japan
5. Canada
6. Estonia
7. France
8. U.K.
9. U.S.
10. Australia
11. Italy
12. China
13. UAE
14. Malaysia
15. Turkey
16. Russia
17. Argentina
18. India
19. Brazil
20. Colombia
21. Saudi Arabia
22. South Africa
23. Mexico
24. Vietnam
25. Indonesia

75% of businesses globally expect to "**actively implement" AI** in their internal processes or products by 2020

Innovation requires significant **investment in R&D**

Top 3 innovation environments

1. Japan
2. South Korea
3. Germany

Innovation leaders earmark **R&D funding for AI/robotics**

Education leaders provide students with a grounding in technical skills, like **computational thinking**

Top 3 AI/robotics education policies

1. South Korea
2. Estonia
3. Singapore

Future jobs will require a significant increase in **digitally skilled labor**

64% of working hours spent on **manufacturing-related activities globally are automatable** with currently demonstrated technology

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