

National Measures of Innovation

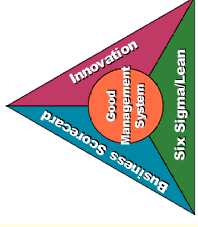
in the 21st Century

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National Measures of Innovation



- Purpose (Why to innovate?)
 - To create new high paying jobs
 - To improve quality of life
 - To improve national security
 - To maintain competitive edge
 - To reduce national debt

Analysis for National Measures of Innovation

Sample Outputs

1. Higher paying jobs
2. GDP growth rate
3. Export/Import > 1
4. Reduced poverty
5. Happier population
6. Reduced crime, prisoners, and unemployment

Sample Activities

- Government involvement in promoting innovation,
- Provides support to accelerate innovation to realize national targets
- Streamline regulations and requirements
- Organizations institutionalize innovation
- Monitor the innovation performance
- Adjust the national activities to achieve innovation objectives
- Continue to raise awareness to innovation at all levels

Sample Inputs

Basic research (\$) Large Corp. R&D/ Innovation funding

Innovation Education in schools and colleges

Start ups older than one year

Employee fun/happiness at work

Business innovation (% profitable growth)

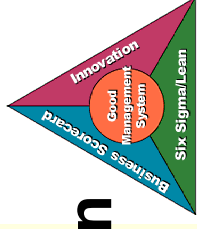
National Innovation Targets Achieved?

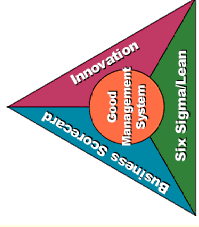
No

Feedback/Analysis/ Acceleration

National Innovation Index Review, and remedial actions

Continue Yes

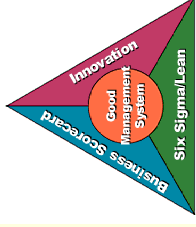




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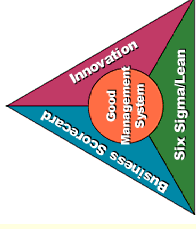
Input	Activities	Outputs
<p>Basic research (\$) Large Corp. R&D/ Innovation funding</p> <p>Innovation Education in schools and colleges</p> <p># Start ups older than one year</p> <p>Employee fun/happiness at work</p> <p>Business innovation (% profitable growth)</p>	<p>Government involvement in promoting innovation</p> <p>Government support to accelerate innovation to realize national targets</p> <p>Streamline regulations and requirements</p> <p>Organizations institutionalize innovation</p> <p>Monitor the innovation performance</p> <p>Adjust the national activities to achieve innovation objectives</p> <p>Continue to raise awareness to innovation at all levels</p>	<ol style="list-style-type: none"> 1. Higher paying jobs 2. GDP growth rate 3. Export/Import 4. Reduced poverty 5. Happier people 6. Reduced crime, prisoners, and unemployment

National Measures of Innovation



1. Research, Innovation, and Development Funding (RID)
2. Extent of innovation education in schools and colleges (ISC)
3. Number of Start ups per year (SPY)
4. Employee Fun Index (EFI)
5. National Awareness to Innovate at all levels (NAI)
6. Creative resources for children (CRC)
7. New Fundamental and Platform innovations (NFP)
8. Government Innovation Award Reach (GIA)
9. Business Innovation Index (BII)
10. Total New / Lost Job Wages Ratio (NLR)
11. Per Capita GDP Growth (PCG)
12. Export/Import Ratio (EIR)
13. Quality of Life Index (QLI)

About Praveen Gupta



Praveen Gupta, president of Accelper Consulting (www.accelper.com), has worked or consulted with more than 100 organizations worldwide including Motorola, Molex, AT&T Bell Laboratories, Dentsply, Abbott Laboratories, Experian, Superior Essex and many others. He has conducted seminars in Singapore, Canada, England, Mexico, Eastern Europe and several cities in the U.S. Praveen has done pioneering work on Business Scorecard, Six Sigma, Innovation and Process Management since 1981. He has authored monthly columns in several magazines, including QualityDigest.com and realinnovation.com, articles, and books.

His books include *Business Innovation in the 21st Century* (BookSurge), *Six Sigma Business Scorecard* (McGraw Hill), and *Improving Healthcare Quality and Cost with Six Sigma* (Pearson Publishing)

Praveen is a Master Six Sigma Black Belt, CQE, CSQE, CSSBB and PE and an ASQ Fellow. Praveen holds MSEE from IT, Chicago. Praveen teaches Operations Management at DePaul University, and Business Innovation at Illinois Institute of Technology, Chicago. He can be reached at praveen@accelper.com.

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Accelper Consulting is a Management Consulting firm helping clients in implementing Six Sigma, Innovation, and Quality and Process Management.