Jugaad Innovation: A Frugal, Flexible, and Inclusive Way to Grow

Jaideep Prabhu

UNCSTD, Geneva January 23, 2017



Unique Features of Indian Innovators



Flexible

Inclusive



Thinking Outside the (Ice) Box





Source: http://gizmodo.com



Thinking Outside the (Hot) Box







Jugaad Innovation

The art of overcoming harsh constraints by improvising an effective solution using limited resources

Gambiarra or jeitinho in Brazil

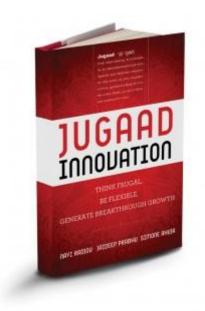
Kanju in Africa

Jiejian Chuangxin in China

DIY in the US

Systeme D in France



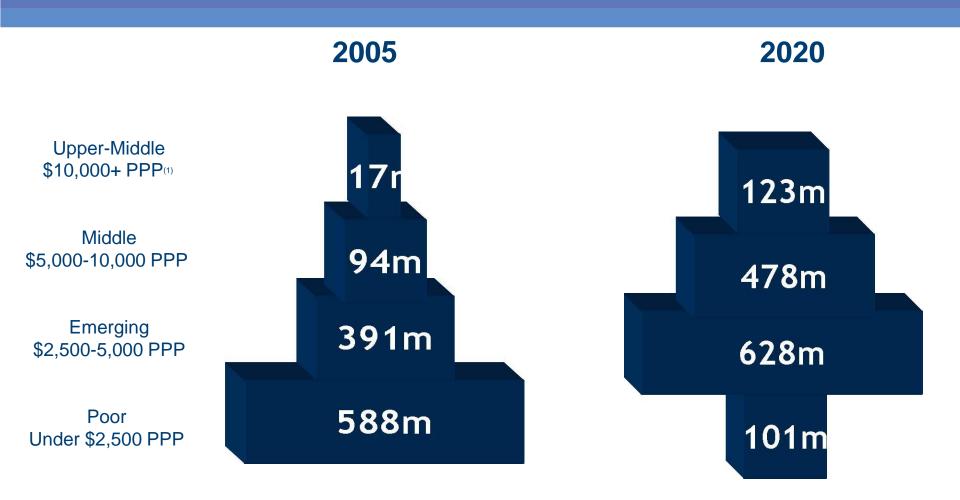


Why Does India Need Jugaad?

- Upwards of 40% of Indians:
- Are unbanked
- Are off the electricity grid
- Have limited access to healthcare and education



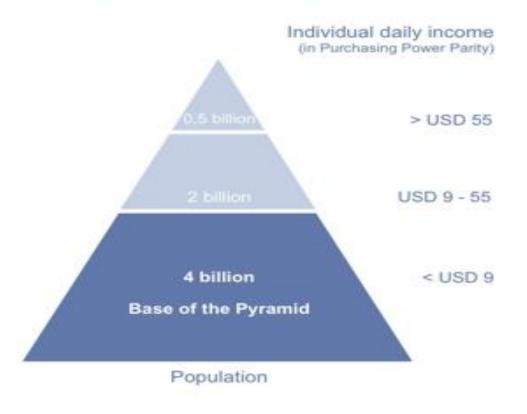
Changing Class Structure





Why Does the World Need Jugaad?

The World Economic Pyramid



Source: World Resources Institute

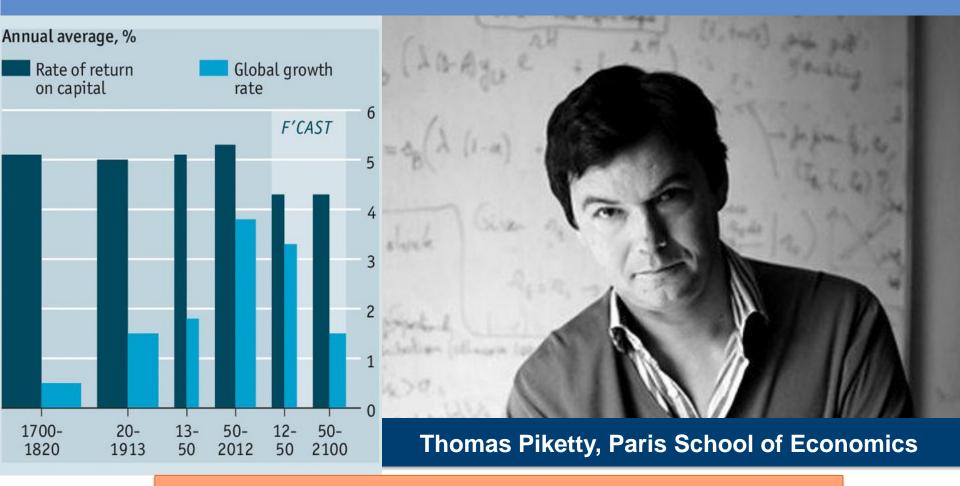


Why Does the World Need Jugaad?

BOP market—\$5 trillion TOTAL BY INCOME SEGMENT

BOP3000	
BOP2500	
BOP2000	
BOP1500	
BOP1000	
BOP500	

Why Does the West Need Jugaad?



The West must learn to do « better with less »!



Social Entrepreneurs



Mansukh Bhai and the MittiCool Fridge





Dr Mohan's Mobile Diabetes Clinic



Source: http://www.drvmohan.com/



Source: http://www.worlddiabetesfoundation.org/composite-2731.htm





Harish Hande and SELCO

SELCO



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SELCO SOLAR

Posted On: April 16, 200 Posted In:

SELCO Solar Pvt. Ltd, a social enterprise established in 1995, provides sustainable energy solutions and services to under-served households and businesses. It was conceived in an effort to dispel three myths associated with sustainable technology and the rural sector as a target customer base:

- 1) Poor people cannot afford sustainable technologies;
- 2) Poor people cannot maintain sustainable technologies;
- 3) Social ventures cannot be run as commercial entities.

SELCO aims to empower its customer by providing a complete package of product, service and consumer financing through grameena banks, cooperative societies, commerical banks and micro-finance institutions.



SEARCH THIS SITE:

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Course Information: SELCO Case Study #126 Logged in as: honorstudent

Logged into Classroom:

Faculty:

Dr. J. Prabhu

Learners:

- B. Donahue
- J. Kibira
- S. Ahuja A. Betker







Devi Shetty: Frugal Surgeon





Large Domestic Organisations



Tata and the Nano





Source:http://www.examiner.com/road-driver-in-national/world-s-cheapest-car-the-tata-nano

Tata "Swach" Water Filter





Aakash Tablet







World's largest NGO: employs 100,000 people, reaches 126 million people in over 11 countries

Diversified: health, education, finance and social enterprise

Covers 80% of its costs through own revenues

Best practices from business; constantly learning



Bangladesh and Social Businesses

The home of social businesses

Grameen, BRAC and Asa: three of the world's largest microfinance organisations

Generate surpluses but plough these back into scaling their social mission



Multinationals & Inclusive Innovation



GE and Affordable Innovation

ECG machine designed specifically for India's rural markets

Portable, light, battery operated, reliable, cheap



Launched in China, and now in the US after having got FDA approval



Siemens: Foetal Heart Monitor





The Nokia 1100

Specifically for emerging markets:

Dustproof keypad and front face Built-in flashlight

Over 200 million sold since late 2003



World's best selling handset and consumer electronics device



M-Pesa and Mobile Payments





Selling Solar Lighting Solutions



Photo: M-KOPA



Inclusive Innovation in the West



Ebon Upton and the Raspberry Pi

"Design intended to inspire schoolchildren and adults to program"

Demand for Raspberry Pi, the British \$35 computer, "crashes website"







Source: The Guardian

Prabhu Subramanian and CoLearnr







3D Printing: Increasingly Affordable







what do YOU want to m







Photos: EMBRACE



Challenges of Inclusive Innovation

Small organisations are inherently frugal and agile but lack resources to scale

Large organisations have the resources to scale but are wasteful and slow



Solutions for Inclusive Innovation

Partnerships between small and large, local and global are needed

Governments and public institutions like UNCTAD and UNCSTD can be cheerleaders and match-makers





Frugal, flexible, and inclusive innovation can help the world achieve the SGDs

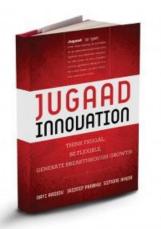
The West can gain by engaging with counterparts in the developing world

Large and small, North and South, can work together improve lives everywhere



Thank You!







Foreword by PAUL POLMAN, CEO, Unilever





