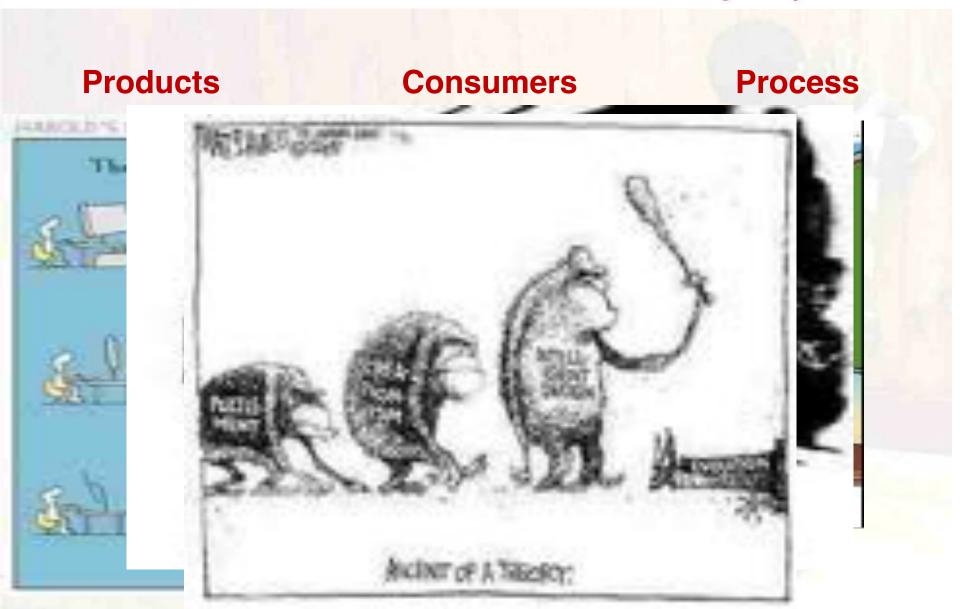




When we think Design & Innovation .... We think evolution of ....







## Across decades Geopolitical events have shaped the influence on

Industry growth, Product Design

thereby influencing

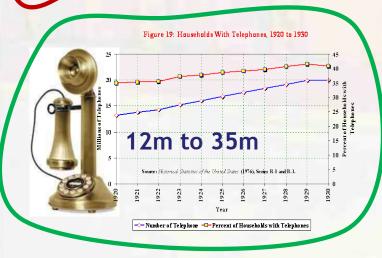
life style and Consumerism







Model T sales - 3L in 1918, 1.9 Million in 1928







Period of sustained economic growth before the great depression.

Break from tradition -1<sup>st</sup> feel of modernity.

#### **Focus on**

- 1) Mass production Making technology affordable to Mass market.
- Setting up infrastructure for electricity and telephone



# Cold War Period – Golden 50s, Swinging 60s, Hippie 70s

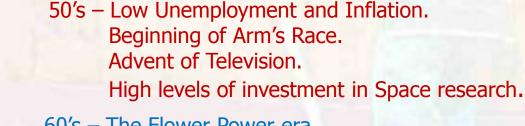


















### Product & Services Design Influences ...



# Post Cold War Period – Turbulent 80s, Global 90s



#### Product & Services Design Influences ...

# Goody | APPLIANCES

# 3<sup>rd</sup> Millennium ( 2000 ~ 2010)













2000s - Rise of Global Terrorism.

Digital Era.

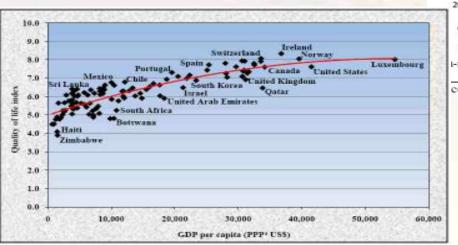
Social networking integrates the globe. Death of distance in communication. Collaborative product development. Birth of Product Ecosystems. Standardization of hardware.( USB)

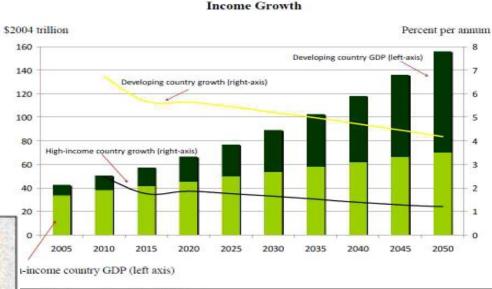


#### **1.MANAGING COMPLEXITY**

Increasing Income levels & Quality of life amidst crisis.







ce: Mensbrugghe et al. (2009)

Ambitious & Demanding.
Able to deal with situations and progress



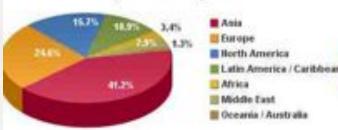
#### 2.GLOBAL CONNECTIVITY

Mobile internet , real time information ...

#### **3.MEGACITY CONSUMER**

New Global middle class is born —Tech savvy, highly mobile, transnational

#### World Internet Users by World Regions



Source: Internet World Stats - www.internetworldstats.com/stats.htm I\_596,270,108 Internet users for March 31, 2009 Copyright © 2009, Miniwatts Marketing Group







Well Informed and Aware



#### **4.BLENDED REALITY**

Convergence – TV, internet , wireless , GPS

2009





Seeks multi functional use in a product, Instant Gratification.



#### **5.GREEN & CLEAN SUSTAINIBILITY**

Environment control, Go green, clean /alternate technologies

Similar to Toyota's top-selling Prius petrol-electric hybrid, the car has a distinctive exterior styling that will allow drivers to telegraph their green credentials to other motorists.





Culturally rooted,
Committed to Green
cause

Impact of this change...



### Pace of technology has quickened, with reach and access increasing







13 YEARS



4 YEARS

Years it took to reach a market audience of 50 Million



3 YEARS



1.5 YEARS

### Impact of this change ....



# The pace of product introductions across sectors has also intensified



Avg. Launches – **50 in Last 1 Year** Variants on Aesthetics,
Speed, Mileage Launch of
GLOBAL Brands



New Product Launch **every 3 Months** Variants on
Aesthetics, Consumer
Interface, 3G Enabled, GPS



New Product Launch **every Month** Variants on Aesthetics,
Technology, Consumer
Convenience, Response Time

### Impact of this change ....



# The pace of product introductions across sectors has also intensified



New Product Launch **every 6 months** Variants on Aesthetics,
Technology, Consumer
Convenience



New Product Launch **every Month** Variants / Brand
Extensions / Sizes
Fragrances / shape



New Product Launch **every Month** Variants / Colors / Size
/ Design / Technology / Shape

## Given this backdrop ....



What are the imperatives for businesses

What are the key Challenges & Opportunities?

### Key Challenges ...



Need for Greater Variety and differentiation More frequent and faster Product launches

Shorter Product Life cycles & Cost recovery periods

Develop products for Nonusers

Communication

Business Model Innovation

Brands are finding it increasingly difficult to stay relevant, Noticed and be recalled by Consumers



# Constantly Innovate

To differentiate

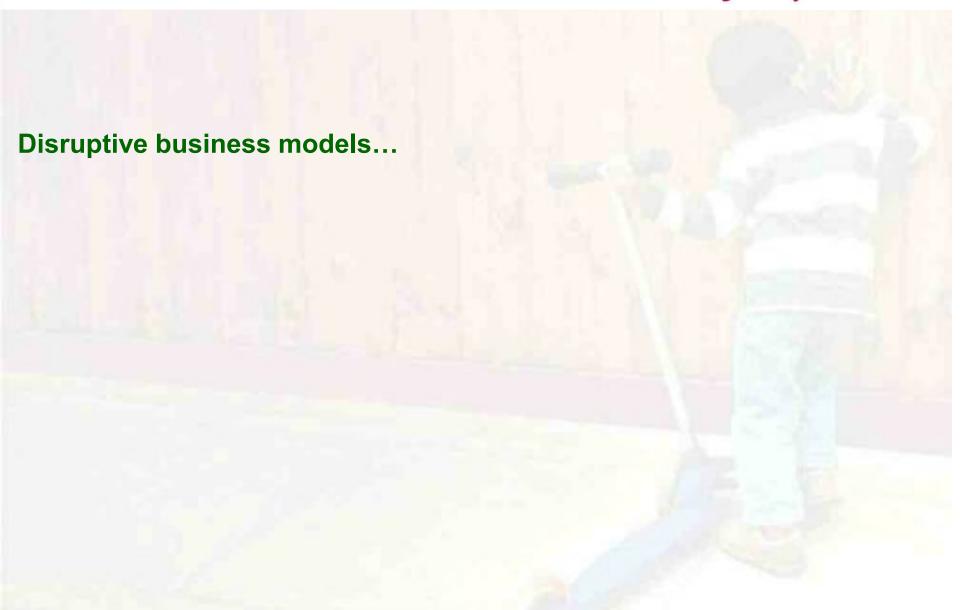
in Products Processes Services

Communication

**Business Models** 

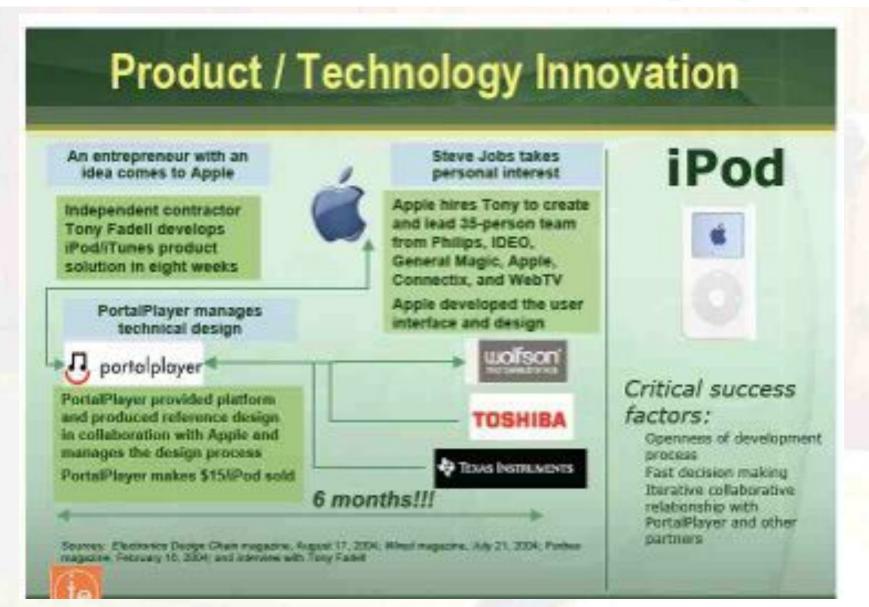
### NPD Process Innovation –





# Open Innovation: Business Model innovation – Apple iPod





Open Innovation : Business Model innovation – Apple iPod







Business models to build product eco systems

# Building Ecosystem around product ideas – Case study of Internet TV Apps eco system



Unlike Connected TV which allows net connections through inbuilt Widgets, Android OS based Smart TV allows "Full browsing" and "Unlimited Applications" portability









# Building Ecosystem around product ideas – Case study of Internet TV Apps eco system



This is providing a platform for business model innovations in the TV landscape







Download / View content







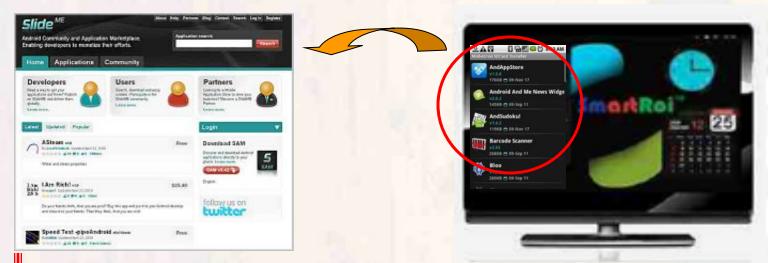


TV the "Digital hub" within a household

# Building Ecosystem around product ideas – Case study of Internet TV Apps eco system



Like Smart phones, Internet TV is providing opportunity for "After Sale" cash flow.



Provide platform for uploading new applications

Direct internet traffic to specified application development sites

- Provide platform for developers and users
- Profit sharing model (Mobiles) .. Click based or Usage based or on sale basis

#### Besides Application market, scope exists for business tie up's with

- a) Gaming sites b) VOD serving company c) Internet Service providers
- e) Banks / Financial advisory firms /Stock brokers etc..



# Business Model Innovation for the Bottom of the Pyramid – Godrej Chotukool

Wall Street Journal review







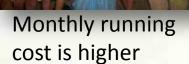




Unaffordable to buy existing solution

"I want to own a cooling device with a price band of Rs 2500-3000"

"Electricity Bill should not exceed more than Rs. 50pm"





Space is a constraint

"wants product which occupies less space and is movable"



# **Product Needs Insights**



Projected Lifestyle

Sleek Good Looking



3 etter

Better Livelyhood Raising Living Standards



Closer to community
Livelihood by selling
Chotukool Income generating
asset

Offer Convenience.
Should ease of stress of food wastage.
Easy to Operate.

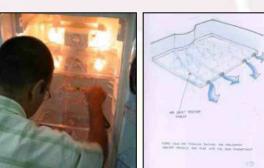


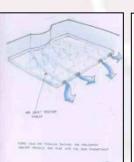


- Engage experts , Collaborate and seek
- Insights from different quarters.
- Bring new technologies.
- •Ideate, Experiment, Adapt, Execute

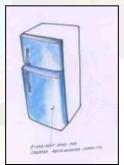


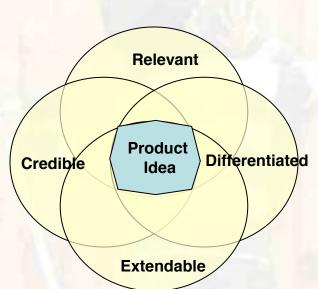
















about solid state
Thermoelectric
cooling

Affordable Robust Simple

Easy to use
Easy to service
Easy to make



### Chotukool

promoting unique entrepreneurial NGO channel

just right solution for BOP that meets daily needs





Closer to community
Livelihood by selling
Chotukool Income generating
asset

Prices @ Rs. 3250 Meet the daily needs Works on 12V



#### Innovate on distribution channel to widen reach

#### Thanks to postmen, 'ChotuKool' households

Share E

Kamaal Salved

Tags : Godrej, ChotuKool, Anand, Bardoli, Sharuch,

Kiweda

Posted: Wed Dec 21 2011, 0308 hrs

Surati

The ubiquitous village post office has a new job. Postmen are now delivering refrigerators to rural homes. In a unique marketing proposition, Godrej has tied up with the Indian Postal department to sell small capacity refrigerators to village homes. The company signed a memorandum of understanding with director of postal service (Gujarat circle), a few months back, to sell the "ChotuKool", a small refrigerator worth Rs 3790 to capture the rural market.

In the last one month Surat region of postal department had sold around 33 refrigerators only in Jankhvav village in the district.

Interestingly the Chotulicol refrigerator is of 43 litres capacity to fulfil daily necessities, with no compressor, "It runs on an electronic chip. It needs just 230 volt AC supply and can even run on an inverter. It is made from unbreakable plastic body weighing 8.9 kilogram and opens from the top," said Chirag Shah, an associate manager with Godrej.

Godrej
ties up with
Indian Postal
Services to sell
Chotukool







# Business Model Innovation having a Social Impact HUL Pureit

### Case study of HUL Pureit – Social Impact of Disruptive Innovation





#### **Social Context**

Diarrhea is the main cause of death for children <5 in India

Awareness for diarrhea as a public health issue is very low, focus on is on "high awareness" diseases such as AIDS even though diarrhea kills more people than AIDS in India

### Case study of HUL Pureit – Social Impact of Disruptive Innovation



# Effective solutions available from price points of Rs 6000 onwards. Designing affordable product key to addressing societal need(2003)

Key Alternatives	Remarks

Candle filters (Clay / Ceramic)

Not effective beyond sediment filtration.

Filtration through muslin cloth

Only filters the dirt thus ineffective for purifying for other contaminants and disease causing pathogens. It requires daily

cleaning

**Boiling water** 

Time consuming, Requires cooling thereafter. High chances of Re

infection. Not Fuel efficient.

UV System/Reverse Osmosis Require Power. Are very expensive. Require extensive distribution network for installation and servicing

### Case study of HUL Pureit – Social Impact of Disruptive Innovation



# 3 pronged approach undertaken – Product Innovation, Brand Promotion & Channel Innovation







High decibel awarness campaign

Pureit -18 ltrs (Rs 2000)

Chlorine tablet as cost effective filtration device. Product designed to overcome issues with Chlorine residue

Network Innovation -Tapping the retail network Urban

**Kitchen** 

**Applianc** 

es

NGO

HUL

FMCG Channel

Rural

Project Shakti

### **Conclusions – Food for thought**



### Voices across the Globe

The Debate Zone: Will Asia become the center for innovation in the 21st century?

#### Mckinsey digital - Debate

Asia is using technology to build new models for delivering goods and services to its vast lowincome populations. Many of those models will lead to powerful innovations for global markets.

The US relies on market forces to spur innovation, but it's starting to lag behind nations that make innovation a national priority with policies that support research and education.

### Students Poll – US Colleges

Approximately 74 percent of Chinese students and 86 percent of Indian students said their home countries' economies will grow faster in the future than they have in the past decade.

Most foreign students said innovation will occur faster over the next 25 years in India and China than in the United States.



All men dream, but not equally. Those who dream by night in the dusty recesses of their minds, wake in the day to find that it was vanity: but the dreamers of the day are dangerous men, for they may act on their dreams with open eyes, to make them possible.

T.E. Lawrence