

# STRATEGY-STARTUP's-SUSTAINABILITY

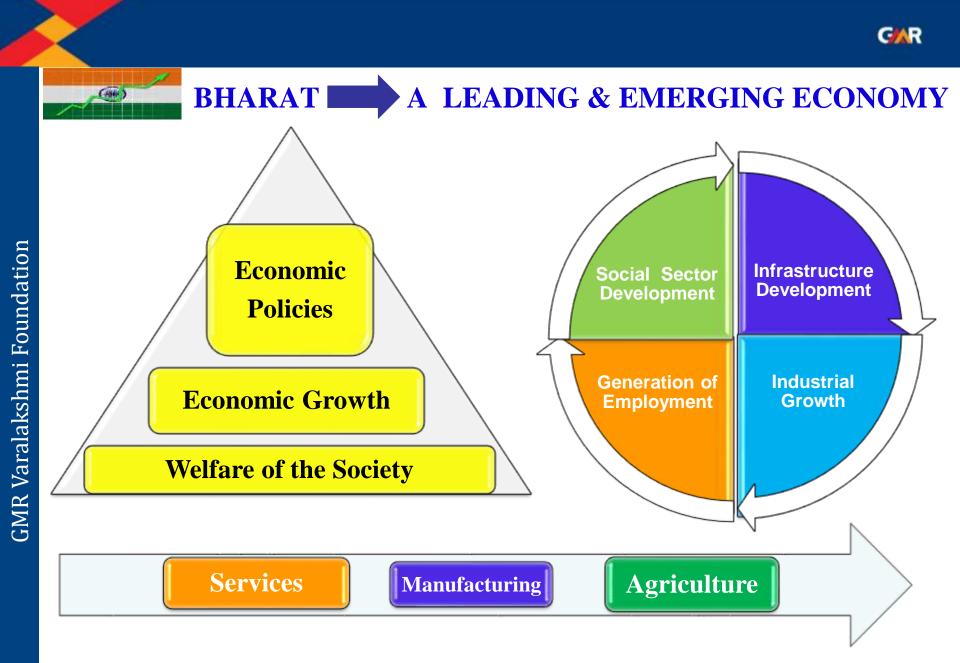
Modionimics -2: Post Covid-19 Atmanirbhar Make in India Business Opportunities (Enablement - Employment - Economic Growth)

> Dr E S RAO Independent Director GMR Infra Ltd and DAIL Former Chairman BoG MDI & ILD and IFCI Group 23<sup>rd</sup> Nov 2021



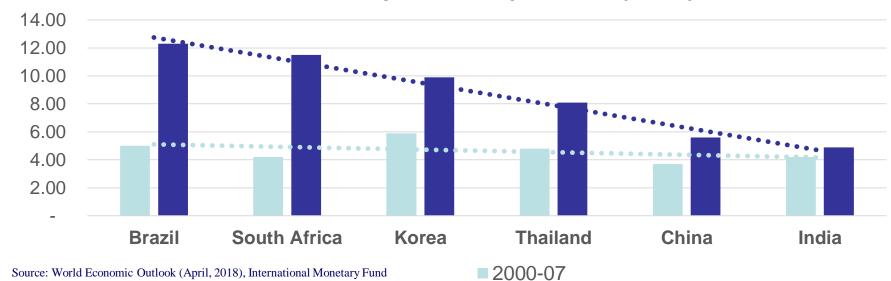
# **Elements For Discussion**

► Indian Economy, Infrastructure and Industry > Policy, Regulation and Capital Formation Strategy & Innovation Case Studies : Power, Telecom, Legislative J&K, Cinema ► Innovative Startup's Case Studies : Education, Real Estate, Cinema and Agriculture Digital Economy-Technologies, Data Analytics & AI AI Case Studies : Agri Case Study and Hon'ble PM Speeches Skill Development: Re-Imaging and Re-Engineering



### **INDIA v/s OTHER EMERGING ECONOMIES - CAPTIAL to GROWTH**

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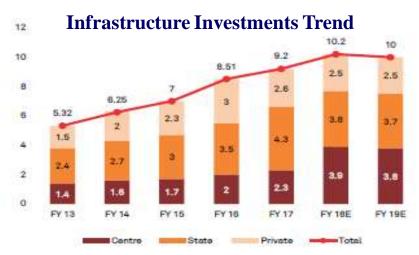


### **Incremental Capital to Output Ratio (ICOR)**

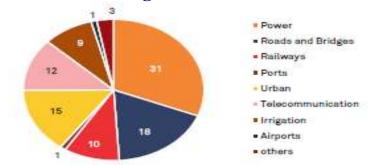
- □ The Indian economy has witnessed low capital infusion in comparison to other emerging economies. The Incremental Capital to Output Ratio (ICOR) is on the lower side and also rate of growth of ICOR is lowest amongst the emerging economies under comparison.
- □ A DFI can successfully channelize the investments and household savings to propel the 'investment driven growth' conceptualised in the Economic Survey, 2019.

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## INFRASTRUCTURE INVESTMENT PATTERN & SEGMENTS IN INDIA



Infra Spending as % to GDP 10 8.108.108.108  $6.50_{5.905.70}_{4.70}_{4.70}_{4.905.10}_{4.905.$  Sector wise % Share in Infrastructure Investments during Fiscals 2013-2019



Source: Appraisal documents for five-year plans, CRIS estimates (Investments mentioned are at current prices)

- Power, Roads & Bridges, Telecommunications, Railways, Irrigation and Urban accounted for ~85% of the infrastructure investment in India during FY 2013-2019.
- NIP (2020-25) Rs 111 Lakh Crore Infra development along with private sector participation

Source: National Accounts Statistics, 2018; National Transport Development Policy Committee (2014)

# **Indian Story : Traditional Industry & Infrastructure**

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- Tourism &

**Hospitality** 

(Followed 60 years of 12 Five Year Economic Plans of India )

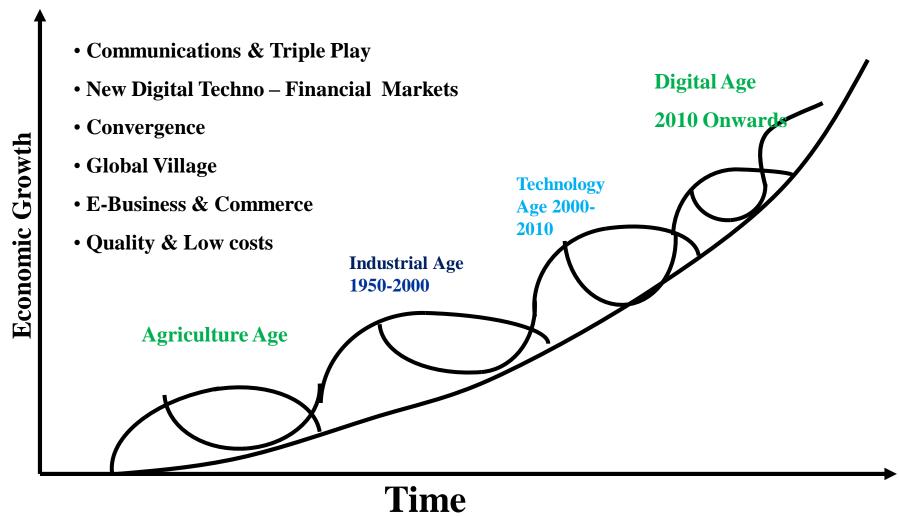


- Electronics

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- Chemical
- Pharma

### **INDIA MARCHING TOWARDS DIGITAL AGE & NEW ECONOMY**



Humility | Entrepreneurship | Teamwork and Relationships | Deliver the Promise | Learning | Social Responsibility | Respect for Individual

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# HON'BLE PM'S VISION - 5 PILLARS FOR \$5 TRILLION ECONOMY

ECONOMY	<ul> <li>A DFI along with FI's to be a partner &amp; catalyst for Inclusive (Rural &amp; Urban) Economic Growth by enhancing 3 components of GDP - Industry, Services and Agri Sectors</li> </ul>	
INFRASTRUCTURE	<ul> <li>A strong DFI with capabilities to Design, Develop and Financing of Infrastructure &amp; Core Industry Sectors from Physical to Digita 5G with sector specific conducive Infra Policies &amp; Regulations</li> </ul>	
SYSTEMS	<ul> <li>Along with DFI and other FI's an Institutional Framework Mechanism &amp; Management System to be laid down in line with the Regulations</li> </ul>	
VIBRANT DEMOGRAPHY	<ul> <li>DFI &amp; FI's to facilitate for provision &amp; provide the Infra services with inclusiveness across the country</li> </ul>	
DEMAND	<ul> <li>To ensure a Affordable, Accessible and Quality of Service to create Elasticity of Demand is created for the Infra services and shall be used by citizens of India</li> </ul>	



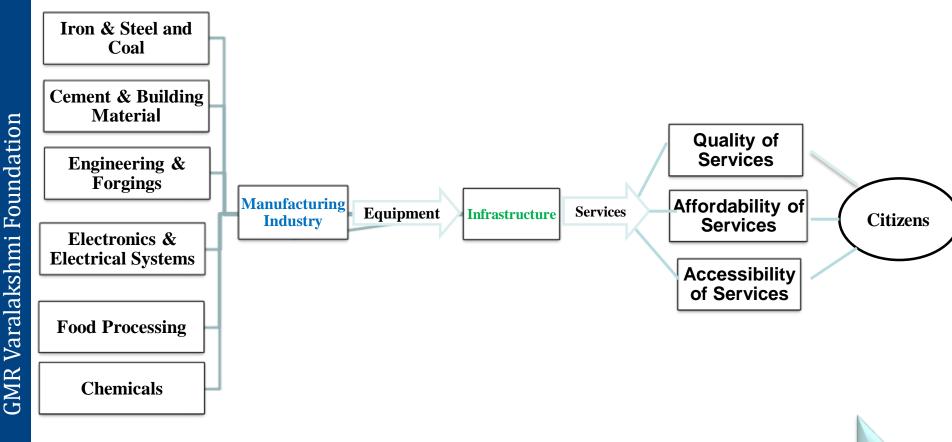
# **KEY FOR ACHIEVING US\$ 5 TRILLION ECONOMY AND MAKE IN** INDIA **DEVELOPMENT & FINANCING OF** INTEGRATED **INFRA & CORE INDUSTRY SECTORS DEVELOPMENT FINANCIAL INSTITUTION**

NBIF WAS FORMED WITH NBIF ACT 2021

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### NEED FOR INTEGRATION OF INFRASTRUCTURE & CORE INDUSTRY ECOSYSTEM FOR SUSTAINABILITY

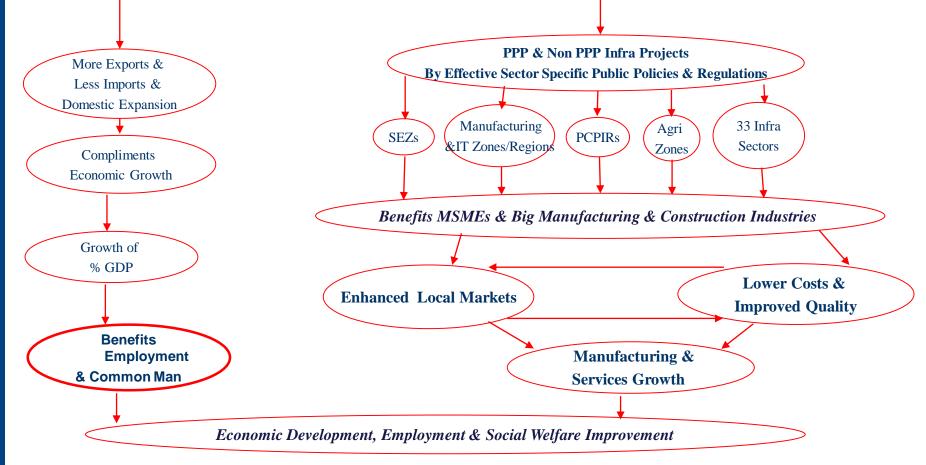


# DEVELOPMENT FINANCE : A CATALYST FOR CAPITAL FORMATION & EMPLOYMENT CREATION

# INDIAN INFRASTRUCTURE & INDUSTRY ECOSYSTEM

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**INTEGRATED INDIAN INFRA & INDUSTRY ECO-SYSTEM FOR DEVELOPMENT & GROWTH** 

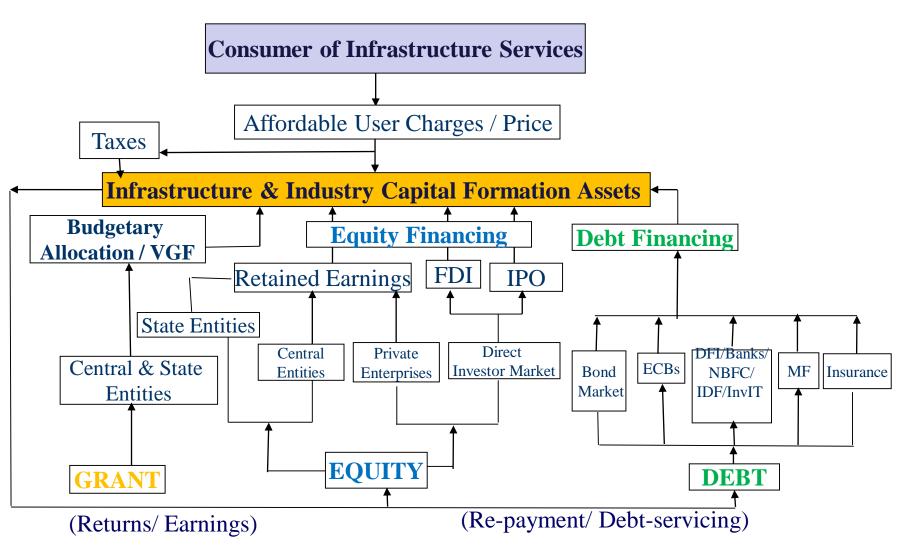


IMPACT : Capital Formation, Employment Creation, Cheaper & Quality Products & Services, Boosting Consumption, Lowers CAD

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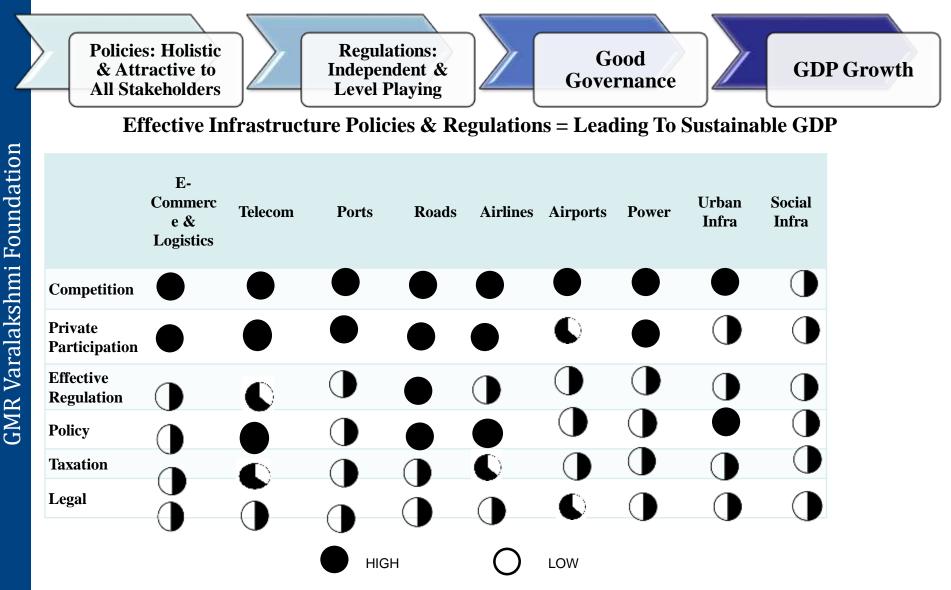


### **INFRASTRUCTURE & INDUSTRY FINANCING NETWORK = CAPITAL FORMATION**





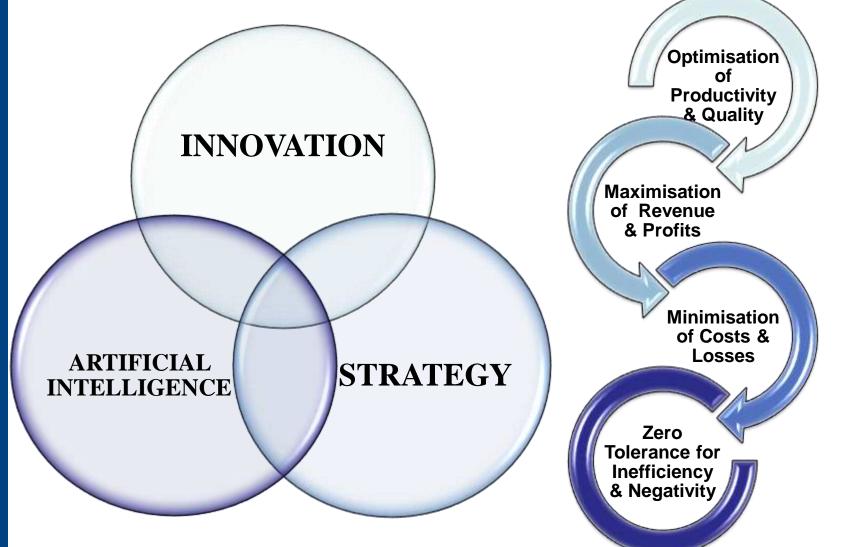
### SECTOR SPECIFIC POLICIES & REGULATIONS FOR SUSTAINABLE GROWTH



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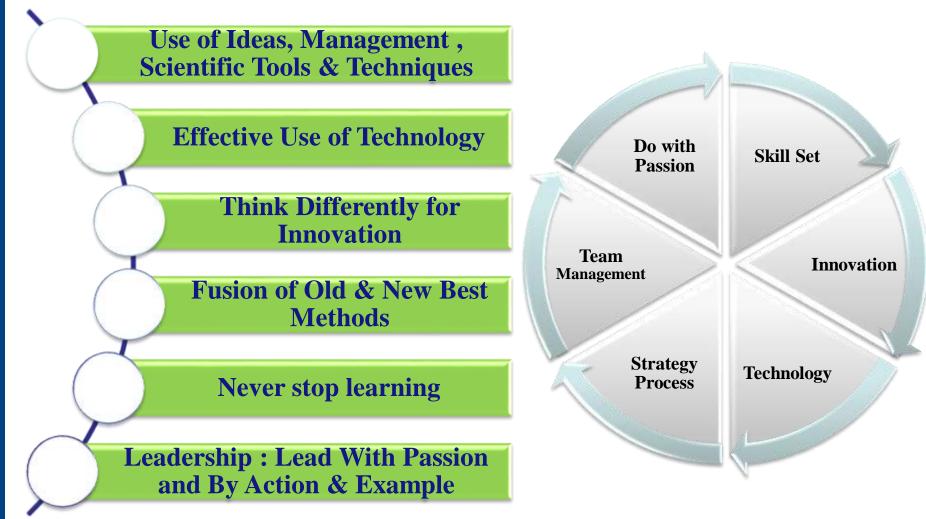
# **BUSINESS ECOSYSTEM & STRATEGY**

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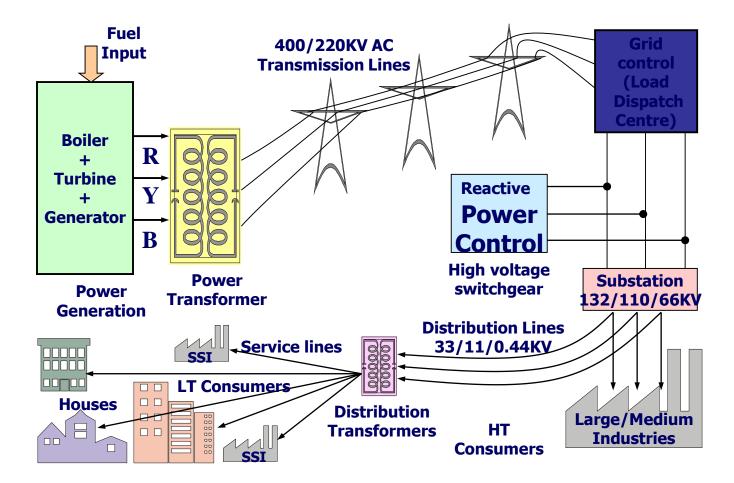




# **STRATEGY & INNOVATION – CRUCIAL COMPONENT OF LEADERSHIP MANAGEMENT**



### CASE 1: POWER GENERATION, TRANSMISSION & DISTRIBUTION SYSTEM



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# **CASE 1 : THERMAL POWER PLANT BIDDING STRATEGY**

Forgo ROE<14% first 5 years – 2 part tariff

Reduce the secondary fuel to 3 times a year for **Plant re-starting** 

Use the Vendor Credit Finance in first 3 years for Low Finance Cost

**Optimisation of Station Heat Rate & Auxiliary Consumption** 

**Enhanced DSCR and IRR to get Optimised Tariff to bid** 

**Improved Levelised Tariff and won the Power Plant bid** 

**Optimising EPC Contract into 4 parts to Minimise** Taxes



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### BACKGROUND

- Strong Players
- Coal based **Tariff Bid**

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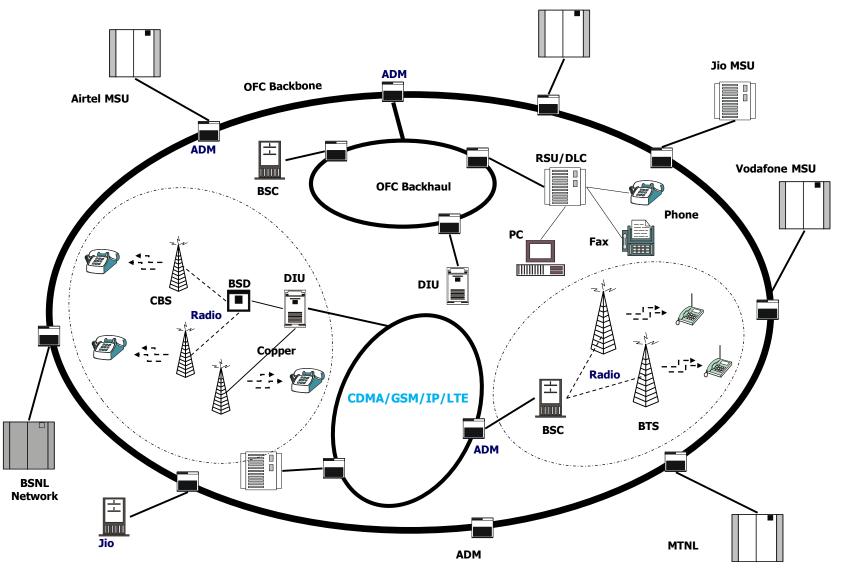
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### **CASE 2:INDIAN DIGITAL TELECOM INTEGRATED NETWORK ARCHITECTURE**



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### **CASE-2 : STRATEGY – DIGITAL TELECOM SERVICE BUSINESS**

**Blended PCM/TDM Network with IP Network** 

Higher Compression – Lower B/W per channel (32 IP to 16 TDM)

Used Satellite C+ transponder (with no echo than C ) instead of OFC STM/SDH

Innovated with a Gateway solution SS7 developed by Vocaltech Israel

ASR – 90% on IP and 35% on TDM ; Revenue Advantage – 2 to 5 times for IP

Resulted in lower Capex & Opex Cost Rs. 7/min against competition Rs. 27/min

Garnered 38% market share and reached 4 digit (in crore) revenue in 2 years



### BACKGROUND

- 3 Strong Competitors
- Using PCM / TDM / SDH / STM technologies

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# **Case -3 : Political Innovation & Strategy**

Skillset: Advance Detailed Planning & Execution for repeal of J&K Article 370 & Sec 35A with minute Demographic Data Base Analysis

Team: A Passionate & Experienced multidisciplinary team work of *Legal* +*Defense*+ *Intelligence* + *Parliamentary Affairs* 

Innovation: Re-organization of J&K state to 2 UT's to gain the confidence of the 3 regions citizens

Strategy: *First introduced the bill in RS* with the discretionary powers of RS Chairman where Opposition is divided and unaware. Then introduced in LS where there is super majority and passed the bill easily



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# **Case -4 : Cinema Innovation & Strategy**

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Cinema Innovation – Independent Biopic Movies are more Successful than and Non-Independent movies

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# **Case - 4: Strategy & Innovative Cinema**

Major Film Costs : Cast ( Hero & Heroine), Director and Others

Select & Fit the Cost to Story & Script

**Understanding Public & Viewer Psyche** 

Finalising the Budget of the Project – Low Cost plus Innovation and 'Selling Rights' translates to Higher Returns

Innovation – Scenery Foot Hill of Everest (Evadee Subramanyan), Biopic (Mahanati), Technology (Bahubali), Jai Bhim



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### BACKGROUND

- Strong Telugu Media Market
- High Competition

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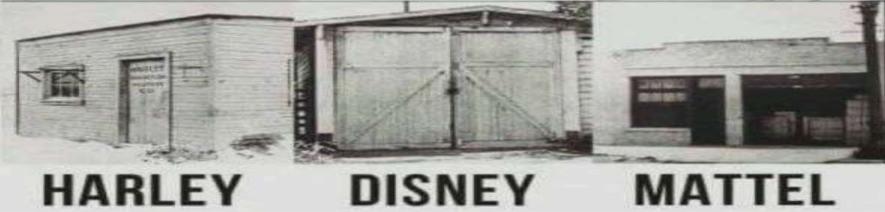
# **Great Start Up's Humble Origin**

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# Where it all started



# APPLE GOOGLE AMAZON



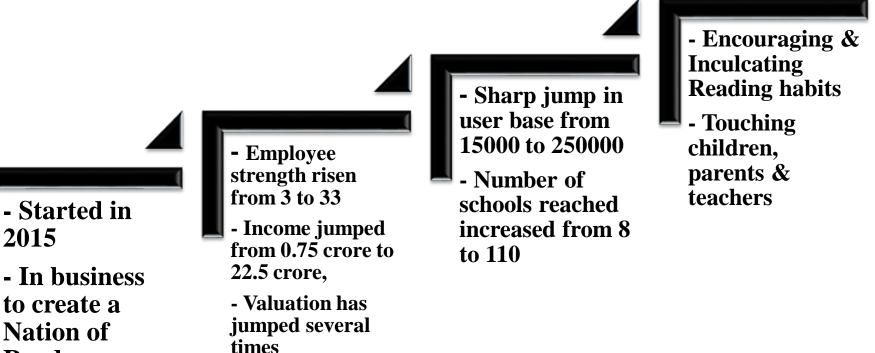
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# **5 YEAR OLD START-UP : EDUCATION**



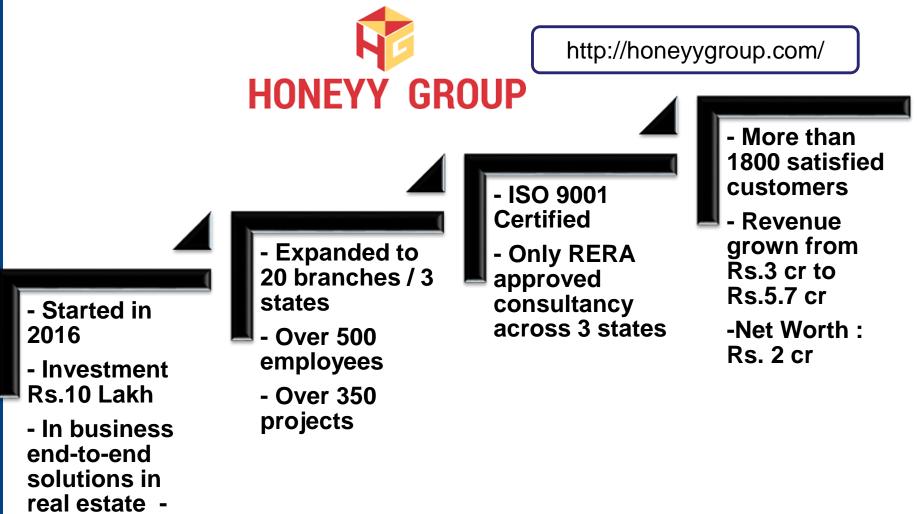
https://www.stones2milesto nes.com/



Readers



# **5 YEAR OLD START-UP : REAL ESTATE MARKETING**

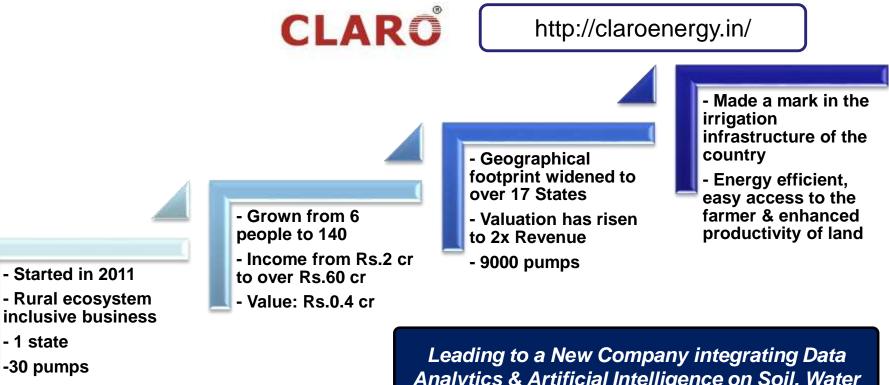


sales &

consultancy



# 8 YEAR OLD START-UP : AGRI & SOLAR ECOSYSTEM



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Analytics & Artificial Intelligence on Soil, Water & Pumps

# **INDIAN LEADERS ON DIGITAL INDIA**



"Digital India is an enterprise for India's transformation on a scale that is perhaps unmatched in human history."

Shri Narendra Modi Hon'ble Prime Minister of India

"Digital India is more for the poor and the underprivileged. It aims to bridge the gap between the digital haves and have-nots by using technology for the citizen."



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Shri Ravi Shankar Prasad Hon'ble Union Minister for Electronics and IT & Law and Justice

# **INDUSTRY LEADERS ON DIGITAL INDIA**



"The new trifecta of a bank account, digital identity and smartphone for everyone will drive economic change."

Nandan Nilekani Co-founder of Infosys & First Chairman of UIDAI

"Everything that's happening in marketing is digitised. Everything that's happening in finance is digitised. So Pretty much every function in every industry, has a huge element that's driven by information technology. Its no longer discreet." Satya Nadella

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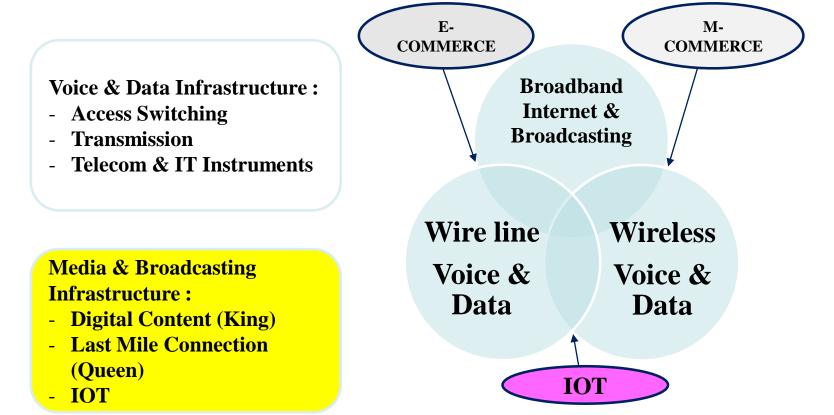
"We've learned that that when we solve for a place like India, we solve for everyone around the world. #Digital Unlocked"

CEO, Microsoft

Sundar Pichai CEO, Google



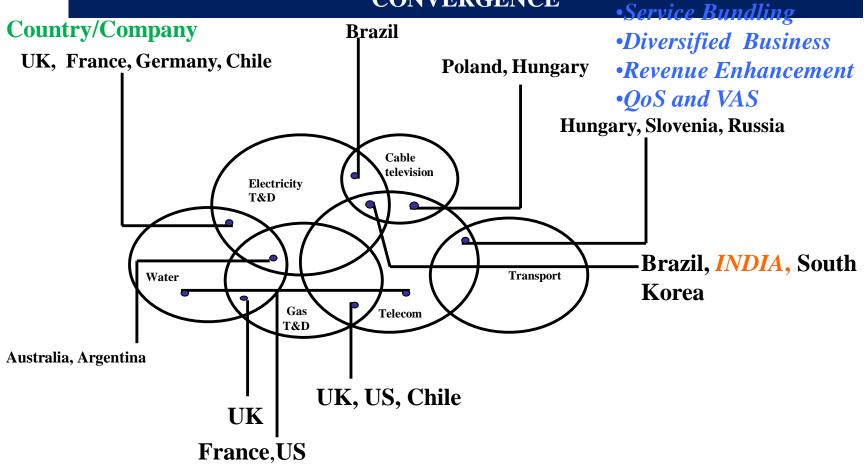
### DIGITAL AND TELECOM TECHNOLOGIES AIDING NEW BUSINESS MODELS



The Telecom & IT Infra will compliment businesses opportunities in E&M-Commerce, Media, Logistics, Banking, Fin Tech and AI in a big way in the Next 5 Years in India



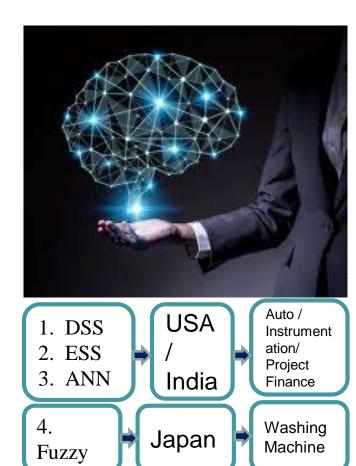
### M&A LEADING TO HOMOGENEOUS & HETEROGENEOUS CONVERGENCE



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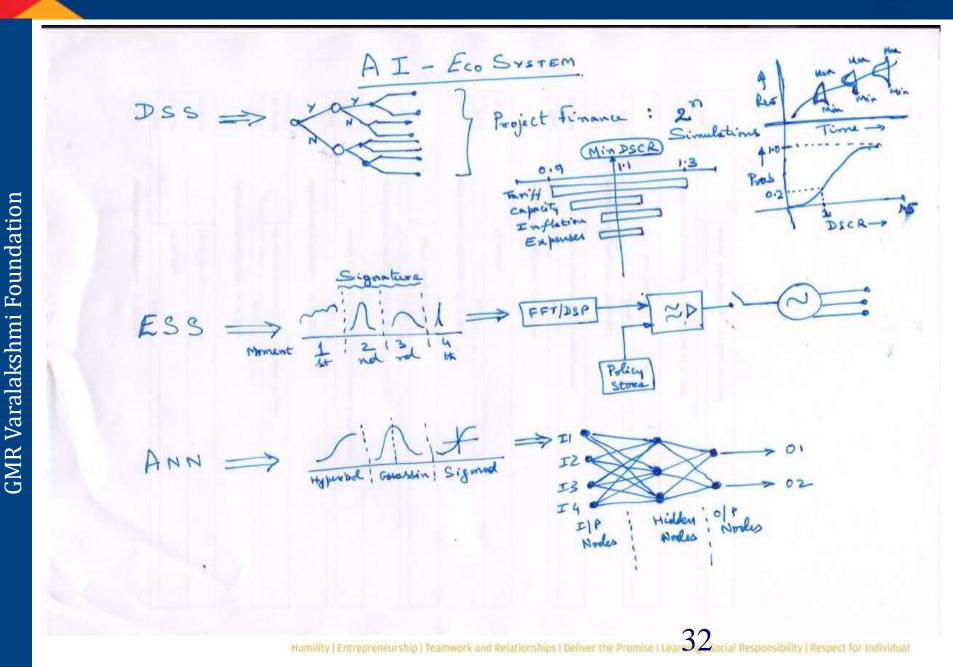


- Science & Medicine: Prediction, Diagnosis
- Manufacturing: Process modeling, FME & C analysis
- Marketing & Sales: Market analysis, customer classification
- Finance: Portfolio & Investments analysis
- Banking & Insurance: Credit, Risk and Treasury
- Elections: Predictions & Game Theory Simulations
- Power Sector Grid: LDC Computing Algorithm



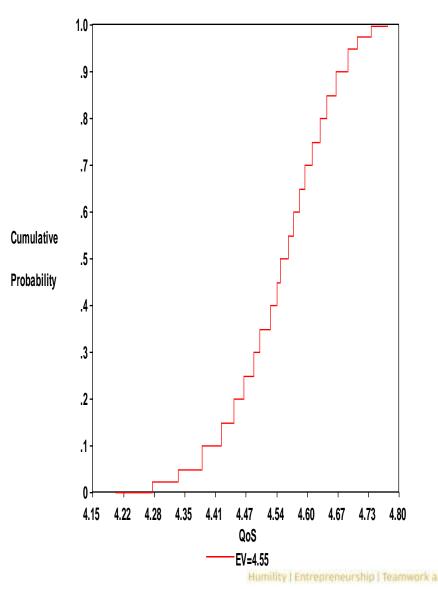
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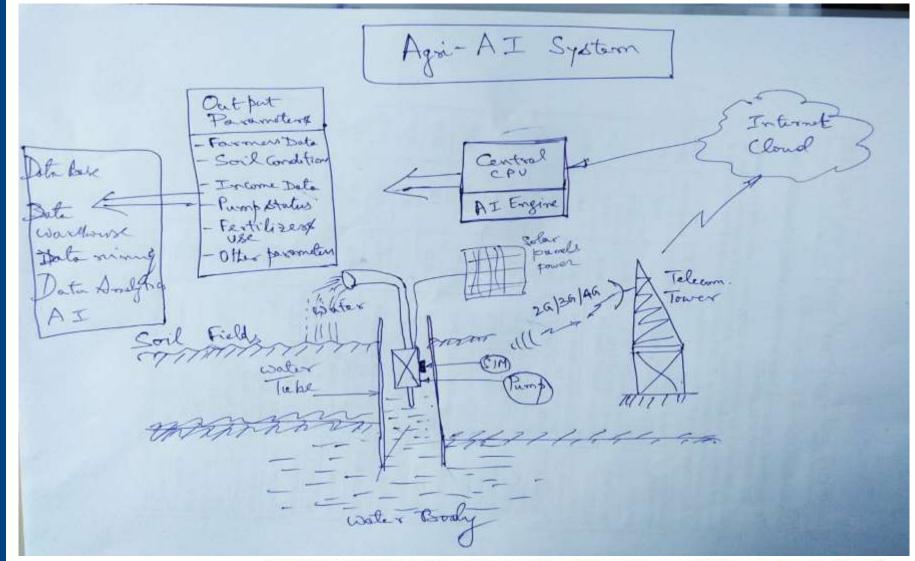
### Stochastic Verses Deterministic for Accuracy of Decision Making



S.No.	Output	Units	Deterministic	Probabilistic
	Parameter		Method	Method
1	Traffic	Mn Minutes	835	840
2	Revenue	Rs. Crores	1461	1400
3	EBITDA	Rs. Crores	184	181
4	LCC	Rs. Crores	260	215
5	Capex	Rs. Crores	128	127
6	Opex	Rs.Crores	1276	1503
7	QoS	No.	4.55	4.55
8	NEI	No.	3.87	3.8
9	Availability	No.	.99950	.99945
10	Bandwidth E1s	No.	323	329

# **ARTIFICIAL INTELLIGENCE IN AGRICULTURE**

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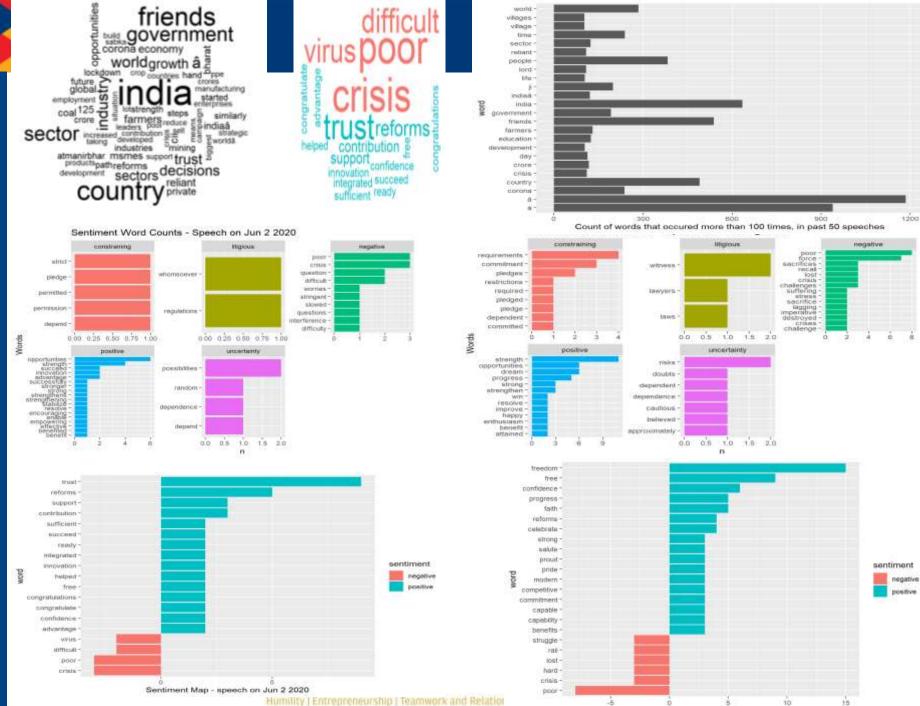
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Sentiment Map - Speech on 15 Aug

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Humility | Entrepreneurship | Teamwork and Relation

# Skill Development For 21st Century Vision & Mission Of Make In India

# **Technology :**

- Make use of 2/3/4/5 G Digital Communication with IOT devices eco-system to connect Services & Products to enhance Productivity and QoS
- Effective IT Platforms & Applications using *Deep Machine Learning & AI* for making the good Policies & Regulations
- Digital Technology & AI to be used for above for productivity but Not To REPLACE Human Resources

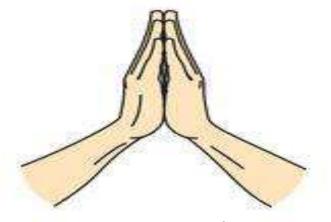
# **Standards :**

- Move fast to implement Industry 4.0 Standards effectively using Digital & IoT Technologies for Smart Infra and Industry Operations
- ➤ The New Industry 4.0 Standards with 4&5 G, IoT's with AI & Machine Learning enhances the exports & domestic requirements with smart & quality production

### **Skill Set Re-Imaging & Re-Engineering :**

- Skill Development & Talent programmes to be re-designed to meet the *Post Covid-19 Make In India* new order of life
- Have more Skill Development Centres in Rural and Sub-Urban areas to have more *Inclusive participation by all*





# **THANK YOU** (Always Committed for the Inclusive Development)