



TNGIM-2015

Entrepreneurship and Skill Development

Nurturing job-Creators

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Education in TN has exploded

- Large Number of Engineering Colleges and Engineering Graduates
 - Over 1.5 million per year in India
 - A large percentage from Rural Areas
- Challenge
 - Quality is still a serious problem
 - Teaching Quality
 - Lack of Motivation amongst students
 - Requires 1 to 3 years of job-experience to become useful
 - But motivated students can do much better
 - Need a sense of empowerment



Need to feel empowered

- Robotics course being provided by a IITM start-up
 - An ordinary science graduate is able to start **building a robot in a day**
 - In five to seven days, can become master of embedded systems
 - **Suddenly there is a motivation to learn**
- A class XII graduate employed in a village BPO
 - Can do a job done by much better trained counterpart in urban areas
 - Suddenly feels that he / she is not inferior to others
 - Pace of **learning enhances sharply**
 - Start thinking about development of a village
 - **Why not a rural BPO in each village: costs less, churns less, empowers**



Entrepreneurship Empowers

- Best IIT graduates are no longer going abroad
 - Are also not looking for high-paying jobs in financial sectors
- Instead becoming an **entrepreneur**
 - Or work in a start-up
 - **Technology based start-up**
 - Very rapid learning
 - Long hours of work
 - Can do technological wonders
 - Employs and train youth
 - Peer impact & Exponential growth of creativity
 - Indigenous Production



So what does the start-up ecosystem need

- Dreams and vision and Government commitment towards such vision
 - Facilitate and Felicitate Dreamers and Innovators
- Visions like
 - 50% of vehicles in India would be Electric Vehicle by 2030
 - India has no oil: Phase out petrol / diesel based vehicle rapidly
 - No road tax for EV for three years and higher road-tax for other vehicles
 - Volume game: All new buses to be EV
 - Will monitor every drop of water that will be pumped out of Ground
 - And water seeping into ground: So as to raise water-table
 - Monitor quality of waste water at each inlet by every industry / community
 - Monitor amount and quality of water delivered to each home
- **Start-up eco-system will bring in new technology and build a new industry**



Finally

- Nurture entrepreneurial eco-system
 - Bring in more start-up risk capital: groups like Chennai angels doing great job
 - Get inspector raj to back-off from young budding entrepreneurs
 - Need lower interest working capital and capital Investment
 - Stronger Industry-Academia interaction