Social Entrepreneurship
The Power of Partnership: Govt, Industry & Academia

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The Innovation Cycle at Intel

Create tangible impact to people

Robust education system to foster creativity

Create an R&D system to nurture smart ideas
Innovation in Emerging Economies
-Social Entrepreneurship & Incubation at Intel India

Technology: Develop Tomorrow’s Solution

Invent

Invest

Accelerate Innovation

Discover

Money: Secure Tomorrow’s Platforms

Knowledge: Expand Tomorrow’s Wisdom

Health

Education

Sustainability

The Missing Link

Grass root Solutions: Needs in search of ideas

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Intel India   Department of Science & Technology (DST) Government of India
Indo-US Science & technology Forum (IUSSTF)

Partnership In India

Intel Innovation Scholarships
- Intel+UC Berkeley Biz Plan competition
- Focus School
- Intel Innovation Series

CORPORATE SOCIAL RESPONSIBILITY (CSR)

Intel’s Leadership Forums

Segment

Investments

IMPACT

Students

Faculty & Schools

Government

SPIN OFF

Intel Innovation Scholarships

MAN AV SUBODH
Case Study: Aravind Eye Hospital

Largely rural district of Theni in Tamilnadu
Main hospital connected by WiLD links to 5 rural Vision Centers
Links are between 10-20 kms with repeaters at 10 km for longer links
Main hospital uses a 42m tower while rural Vision Centers have rooftop / pole mounted WiFi routers
Hospital and vision centers use commercial video conferencing software for remote consultation
Sustained link speeds of 2Mbps+ makes video conferencing possible
Not much WiFi interference observed in the area
Vision Center Economics

Vision center setup cost: $4000 (once)
Cost of Link: $1000 (once), towers $2000 (approx)
Operating Cost: $150/month
Average revenue per center: ~$450/month

Break even
- Assuming $10000 capital cost per center
- About 2.5 years

9 vision centers operational; 13 under construction, 50 more planned next 2 years
Partnership vision

Technology that transforms the way we educate, work and live
Social Entrepreneurship Framework - Intel India Example

A. Pre-Explore
Social problem/need that technology can help address which doesn’t have an adequate solution, not necessarily constrained to Intel based solutions

B. Exploration
1) NGOs / Community
2) Business
3) Incubators &
4) Academia

C. Steering Committee
Is this
• Making business sense
• Social sense
• Unique/Innovative

D. Further nurturing “Mentoring”
• Conceptual Clarity – what are we looking for
• Pool of ideas that can be put to the steering committee for consideration
• Ideas that can be taken forward for commitment by Intel / sharing with others
• Fine tune idea by rapid prototyping and business plan creation – feedback to the steering committee

E. Disposition to Intel
• Develop within Comsol framework using seed funding + resources
• Move to Ideas to Reality funnel

F. Disposition to ecosystem
• University incubator or Academia
• Venture Capital (Intel/Others) –
• Government

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<tr>
<th>Program</th>
<th>Objectives</th>
<th>Current Focus</th>
<th>Future Directions</th>
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<tbody>
<tr>
<td>Curriculum</td>
<td>Curriculum not aligned to industry requirements</td>
<td>Multi Core, VLSI Programs</td>
<td>Enable next generation delivery systems to make the initiative scalable &amp; align with biz</td>
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<td>~ 550 Tech schools WW enabled</td>
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<tr>
<td>Research</td>
<td>Limited pipeline &amp; incentives to start local R&amp;D</td>
<td>Research Grants Academic Forums &amp; Scholarships ~ 150 schools</td>
<td>Focused Research, IP Creation &amp; PPP models</td>
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<tr>
<td>Technology Entreprene’ship</td>
<td>Tremendous Potential for Innovation</td>
<td>Develop the ecosystem on Tech Entrepreneurship</td>
<td>Create potential for strong economic Impact. Align with social themes</td>
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<td>Pipeline</td>
<td>Weak Pipeline of Employable or Industry Ready students</td>
<td>PhD fellowships &amp; programs for Semiconductor Industry</td>
<td>Realign programs in student segment to industry employability at large</td>
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Focus: * Innovation * Citizenship * Industry Leadership