Agenda

• Introduction
• Education and Research Network
• Auroville Community Network
• Concluding remarks
Introduction

- Campus networks economically provide internet, intranet and intercom to meet specific needs

- National Knowledge Network (NKN)
  - Enable scientists, researchers and students from different backgrounds and diverse geographies to collaborate
  - Provisioned by GoI
  - Connected 1438 organizations.

- 100 Mbps connection sanctioned to Auroville Foundation on trial basis for 2 years – TBR 2018
Fibre: 14.8 Km
Buildings connected: 17
Switches: 12
LIU: 23
Servers: 4
Splicing machine: 1
Network Center: 1
Test Lab: 1

Capital outlay: Rs 108 lakhs
Sources:
- AVF
- Aurovilians & Units
- Gift from SmartLink
- GOI grant
- NIC
- AVI

Planned for completion by Dec 2015

Anand Prasad
Chandresh
Dyuman
JV (Remote participation)
Manu
Ramakrishna
ERN

- High speed intranet
- Reliable, high speed internet with unlimited data volume
- Access to NKN services & applications such as
  - Nationwide class room
  - .edu/.ernet email
  - File server and VPN
  - Video and Audio conferencing
  - Virtual (digital) library
  - Collaborative research applications and services
- Sharing recurring expenses and contribution to repair/ replace/ upgrade for a self-sustained community service
Next steps
• Community-wide intranet
• Community services
Community Services

• Community wide telephony
• Tele-conferencing (Audio/ Video/ Web)
• Broadcast of AV Radio & TV, meetings, seminars and events
• Tele-services in education, health care and outreach
• File server with document management system and secure remote access for collaboration
• E-Surveillance of sensitive mobility arteries
• E-Governance
• Active digital archives
• Innovative services specially needed for Auroville
Surveillance Cameras

- Town Hall
  - a. Parking Areas
  - b. Central square

- SAIIER
- AVF
- Solar kitchen
- AV library road junction
- Integral Health Center
- Kalabhumi
- School campus junction
- Vikas Radial, Water Tower
- Savitri Bhavan junction

Apartments
- Mitra
- Citadyne
- Inspiration
- Invocation
- Arati
- Creativity
- Vikas
- Realization
- Luminosity
- Sanjana
- Maitreye II

- Surveillance Cameras
- Town Hall
  - a. Parking Areas
  - b. Central square
- SAIIER
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- AV library road junction
- Integral Health Center
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- School campus junction
- Vikas Radial, Water Tower
- Savitri Bhavan junction

Pilot project for homes

ACN – PHASE 1

- Pilot project for homes
- Planned roads
- Roads Cement
- Roads Mud
- Roads Tar
- Buildings Permanent
<table>
<thead>
<tr>
<th>Service</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Communications Center</td>
<td>Set up</td>
<td>Augment</td>
<td>Add standby systems</td>
</tr>
<tr>
<td>Network Centre</td>
<td>2 Servers with 5TB</td>
<td>Add 1 Server &amp; 5TB in 1+1 mode</td>
<td>Enhance storage as required</td>
</tr>
<tr>
<td>Telephony</td>
<td>In Admin Area</td>
<td>Entire ERN</td>
<td>Rest of Auroville</td>
</tr>
<tr>
<td>Surveillance</td>
<td>10 cameras in sensitive areas + monitoring system</td>
<td>Full coverage in central area</td>
<td>Other locations</td>
</tr>
<tr>
<td>AV Radio and TV</td>
<td>Broadcast Radio on intranet</td>
<td>Broadcast Radio on internet</td>
<td>TV</td>
</tr>
<tr>
<td>Telemedicine Centres</td>
<td>IHS</td>
<td>One more centre</td>
<td>2 centres in villages</td>
</tr>
<tr>
<td>Community Browsing Centres</td>
<td>Pilot</td>
<td>Set up 4 centres</td>
<td>Set up 6 more centres</td>
</tr>
<tr>
<td>Remote Participation</td>
<td>File Server +VPN</td>
<td>Audio conferencing</td>
<td>Video conferencing</td>
</tr>
<tr>
<td>Digital Archiving</td>
<td>Pilot study</td>
<td>Trials</td>
<td>Deploy</td>
</tr>
<tr>
<td>Apartment Blocks</td>
<td>Connect 10 blocks</td>
<td>Rest of the blocks</td>
<td>Community ICT centres</td>
</tr>
<tr>
<td>Houses and others</td>
<td>GPON pilot</td>
<td>40%</td>
<td>Rest of central area</td>
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Borderless Participation in Auroville via Tele-Collaboration

By the 50th Anniversary