Unnat Maharashtra Abhiyan

Aligning Higher Education with the Development Agenda
New Knowledge, New Professions, New Jobs

1 Extends Unnat Bharat Abhiyan
2 Prepared by Milind Sohoni, CTARA, IIT Bombay
The Key Questions

- Where will jobs come from?
- How will we fix basic services?
- Who will strengthen small enterprises?

Solution  The New University

- A regional resource for people to analyse their problems
- A site for regional research and new professions.
- New curricula, new research and new engagements.
The development challenge

- Year-round access to DW-74%.
- droughts, chulhas, public transport, small manufacturing etc.
- missing: institutions, community and private sector- knowledge
District-wise Urban water Availability and Jobs

Better Amenities ⇒ More jobs
New Knowledge, New Professions ⇒ Better Amenities

Conclusion: New jobs will begin in the development sectors!

New and hard applied research. Student and faculty Interest.
New Mechanisms. Understanding how is value created!
What does GoM Expect from UMA
The basic argument

Better Outcomes
Water, Public Transport, SME, Energy

⇒
Need for Knowledge, New Practices, New Research
New Job Profiles, Avenues for Professionals.

⇒
The role of University and Higher Education
Knowledge Structures. Key Areas.

⇒
Mechanisms for a Partnership
Can Universities help?

A unique and welcome GR(15/6/2015) from Water Supply Dept.

- Every new PWS must undergo 3rd-party assessments.
- Every CEO-ZP to identify college to perform these assessment. 1% of capital costs to be paid.
- Selected college must form an inter-disciplinary cell, prepare success criteria, advise on good practices!

<table>
<thead>
<tr>
<th>District</th>
<th>Palghar</th>
<th>Thane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of schemes</td>
<td>19</td>
<td>12</td>
</tr>
<tr>
<td>Sanctioned amount</td>
<td>Rs. 28.2 Cr.</td>
<td>Rs. 6.4 Cr.</td>
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<tr>
<td>Major Issues (Design)</td>
<td>7/19</td>
<td>9/12</td>
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</tbody>
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Learnings

- Bad practices and issues identified. New research generated.
- Rs. 34 lakhs to colleges but...Positive returns already for GoM.
The Unnat Maharashtra Abhiyan (13/01/2016)

Objectives

- Align teaching and research in engineering with state’s development agenda. **Understand value and outcomes.**
- Mechanism for select regional colleges to access funds and data.
- Support the **Right To Know** for communities.

Features

- **Project Areas.** Water, Sanitation, Electricity and Energy, Public transport, rural and household enterprises.
- **Programs.** e.g., Jalyukta Shivar, Thakkar Bappa.
- **At the college.** Technology and Development Cell.
- **Nodal Agency.** District Collector, DPC and District Innovation and departmental M&E funds.
- **Mentored by CTARA at IIT Bombay**
More GRs

- Planning, 7th April, 2016. Source of funds.
- HTE, 15th June, 2016. Topics and guidelines.
- Planning, 20th July 2016. Images from MRSAC for govt. projects.
- Planning, 22nd July 2016. IIT Bombay as 3rd party overall evaluation of programs and projects.

The Future

- Planning. DPO as nodal office for UMA. Periodic clarity on funds.
- GAD/Planning. Support for UMA in 3rd party assessments.
- UMA as a network of trusted institutions

Needed

Reform. Field-work, social context, inter-disciplinary, curriculum and R&D reform. Trust.
The Big Picture - What used to be

People: State, district, taluka, GP, CEO, Collector

serve

Government Companies

support

University

employees

What we now need...

People: State, district, taluka, GP, CEO, Collector

serve

Government Companies

support

advise, plan, assess

University

employees

new job descriptions
knowledge products
UMA work in pictures

Plastic road (KBP Satara)  Cleaning of Krishna River (BVP Pune)  Irrigation at Sinnar (CTARA, IIT-B)

Solar Dryers (SSVPS Dhule)  Camlin Pencil Sorter (PVPIT Budhgaon)
Thank You