

# Unnat Maharashtra Abhiyan <sup>1</sup>

*Aligning Higher Education with the Development Agenda*

*New Knowledge, New Professions, New Jobs<sup>2</sup>*



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<sup>1</sup>Extends Unnat Bharat Abhiyan

<sup>2</sup>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?**

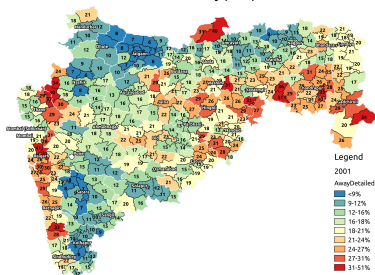
## Solution The New University

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

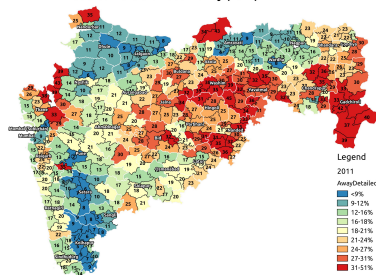


# The development challenge

Percentage of Rural Households with Primary Source more than 500m away (2001)



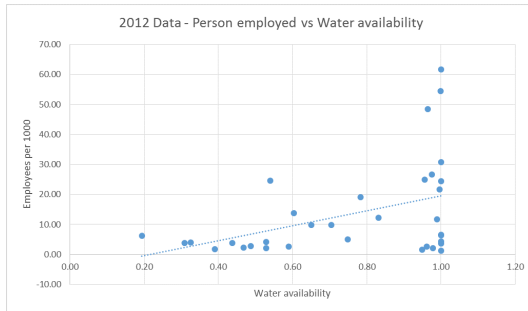
Percentage of Rural Households with Primary Source more than 500m away (2011)



## Other Metrics as well

- 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  $\Rightarrow$  More jobs

New Knowledge, New Professions  $\Rightarrow$  Better Amenities

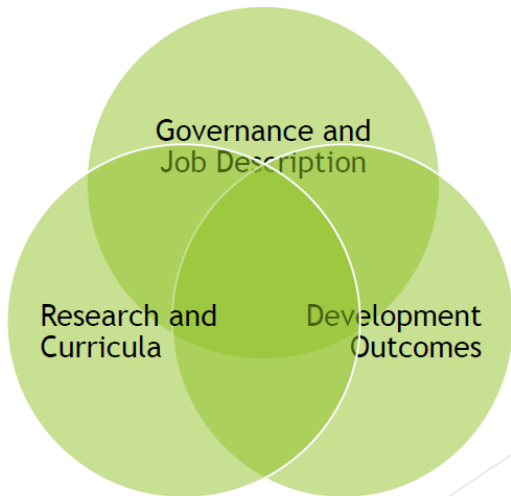
**Conclusion:** New jobs will begin in the development sectors!

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



# 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!

District	Palghar	Thane
Number of schemes	19	12
Sanctioned amount	Rs. 28.2 Cr.	Rs. 6.4 Cr.
Major Issues (Design)	7/19	9/12

## 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 husehold 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.

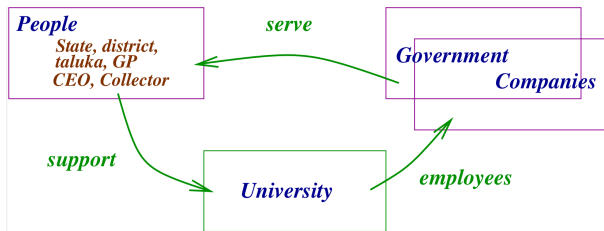
## The Future

- 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

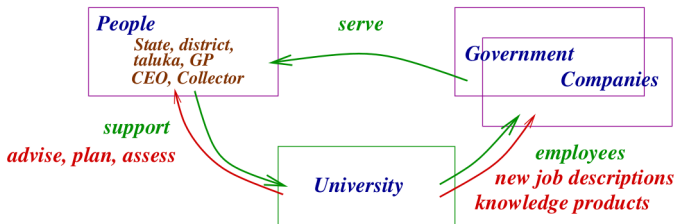
## Needed

Reform. Field-work, social context, inter-disciplinary, curriculum and R&D reform. **Trust.**

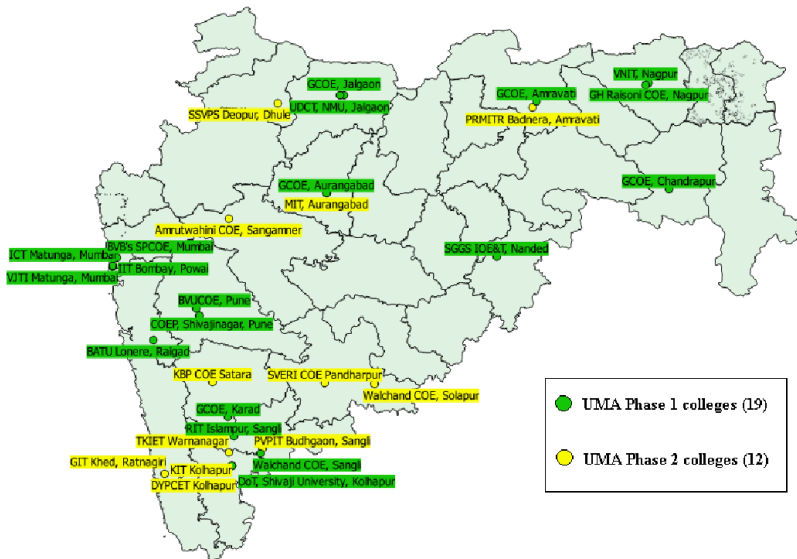
# The Big Picture - What used to be



What we now need...



# UMA Institutions



● UMA Phase 1 colleges (19)

● UMA Phase 2 colleges (12)

# UMA work in pictures



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



Solar Dryers (SSVPS Dhule)



Pencil Inspection & Sorting

Camlin Pencil Sorter (PVPIT Budhgaon)



# UMA Colleges at work



# Thank You

