

A Report on meeting of

# Vishwakarma Yojana:

## An approach towards Rurbanization



*Reimagine*

**Village  
Development**

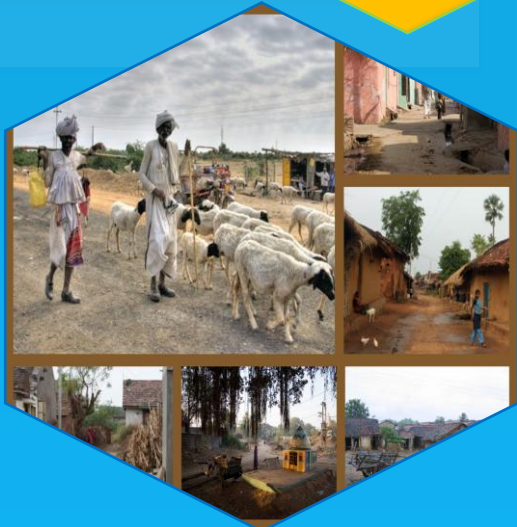
**Rurbanization**

*Redesign*



*Rejuvenate*

**Sustainable  
Development....**



At GTU, Chandkheda, Ahmedabad

5<sup>th</sup> October, 2013

*Presented by: Dr. Indrajit Patel & Mrs. Jagruti Shah*



*Gujarat Technological University,  
Ahmedabad, Gujarat*



[Implementation meeting of Vishwakarma Yojana: Phase-II \(Techno-Economic Survey stage\)](#)

**Gujarat Technological University,  
Ahemdabad, Gujarat.**

**Implementation Meeting of Vishwakarma Yojana: Phase-II at Chandkheda Campus  
on 5<sup>th</sup> October, 2013.**

As a part of implementation of Vishwakarma Yojana, Gujarat Technological University organised the meeting of Nodal Officers of Vishwakarma Yojana: Phase – II (Techno – Economic Survey Stage) on 5th October 2013 at 14:30 pm at the Seminar hall, GTU, Chandkheda.

**Inaugural Session:**

The Function was chaired by, Hon'ble Vice Chancellor, Dr. Akshai Aggarwal, GTU. Dr. G. P. Vadodaria, I/C Registrar-GTU, Dr. Indrajit Patel, Hon'ble Director-Vishwakarma Yojana, Prof. A. M. Prabhakar, VGEC-Chandkheda. Ms. Usha Banker, Deputy Director, Mrs Jagruti Shah, Project Co-ordinator-Vishwakarma Yojana, Ms. Neha & Mr. Mahesh Office Assistants and 37 Nodal officers from Degree & Diploma Institutions attended the meeting.

Dr. Indrajit Patel welcomed all on behalf of GTU. He briefed all about Vishwakarma Yojana Phase – II & Planning Stages for this phase. 761 students from 54 Degree and Diploma colleges, affiliated with GTU, are working on the the idea of Rurbanization for 172 villages of various districts of Gujarat for successful implementation of Vishwakarma Yojana: Phase – II. He briefed all about the progress of Vishwakarma Yojana. He discussed the Objectives, Planning, Present Status, work to be done during current phase, modality of project in the context of rural development and about designing for future in terms of sustainable development. He said that the aim was to complete at least one design of renewable energy source by this semester for each village by Students.

**Launch of website:**

Dr. Indrajit Patel requested Hon'ble Vice Chancellor, Dr. Akshai Aggarwal to launch the website of Vishwakarma Yojana which had been designed by Mr Mahesh Rathva, D.E.O, GTU.



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(Techno-Economic Survey stage)**



**Website Launching Session:**

Hon'ble Vice Chancellor, Dr. Akshai Aggarwal congratulated & appreciated Mr Mahesh for his efforts in web design.

Hon'ble Vice Chancellor Dr. Akshai Aggarwal welcomed all. He appreciated the commitments and the efforts of Students and Nodal Officers of Vishwakarma Yojana. He said that the project made it possible for the young students to do the field work and to acquire practical knowledge in



**Hon'ble Vice Chancellor,  
Dr. Akshai Aggarwal**

the field before starting the design and preparing the Detailed Project Report. He said that Vishwakarma Yojana was very an important component of the research and development work at GTU, since it brought out the fact that all research and development work must be relevant to the context of the society. He said that the ideas for original research work arise out of the needs of the society or out of the



Implementation meeting of Vishwakarma Yojana: Phase-II  
(Techno-Economic Survey stage)

curiosity of the researcher. Any research work without direct relevance to the society will not normally lead to great Engineering Research work. He said that in our 18,600 villages, we may not yet have been able to get rid of poverty, but the soul and the culture of every village and its community life was very rich. He said, "For better development it's our role to imagine and re-design the infra-structure of every village so that while we are able to bring all the necessary urban facilities to every villager, the soul of the village is supported by the new architecture. The design of new developments must involve the dwellers as well as the leadership of



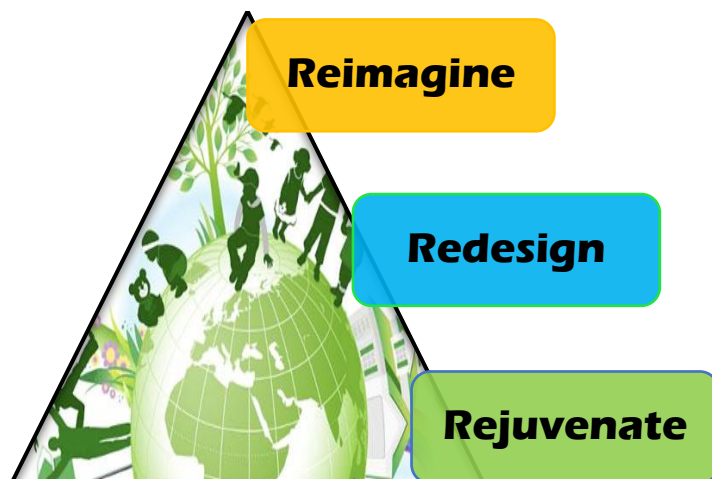
**Hon'ble Vice chancellor,  
Dr, Akshai Agrawal & all invitees**

the villages fully." He illustrated the position of villages of Bengal & Bihar during 17<sup>th</sup> & 18<sup>th</sup> century where functional schools were present in each village of these two regions. Thus the society supported literacy in that period. He narrated example of his own village in the context of development & potentiality. He said that till the eighteenth century, the society was so organized that villagers took responsibility for developing and maintaining the common facilities.

He said that the aim of the Vishwakarma Yojana was to study village life with respect to delivery of basic needs and then to re-imagine, redesign, rejuvenate and strengthen the community life.



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**3R Concept for Sustainable Village development**

Hon'ble VC Dr. Akshai Aggarwal presented his views and potential guidelines to students and faculties at large for this challenging task initiated by GTU. He said that by floating the ideas for village development, we could help community, Stakeholders and all viewers to think along the right path of development in the context of Rurbanization.

Dr. Indrajit Patel thanked Hon'ble Vice Chancellor, Dr. Akshai Aggarwal for his inspirational words & timely support and guidance.

Dr. G. P. Vadodaria, I/C Registrar & Controller of exam-GTU expressed his willingness to extend all possible support to the participants for their work related to Vishwakarma Yojana to make it successful. As an engineer, by studying various aspects of villages, one can give sustainable designs. He gave his best wishes to all participants and wished Vishwakarma Yojana for best solution of village development & Rurbanization.

Prof. A.M.Prabhakar, VGEC-Chandkheda, acknowledged the contribution of GTU towards Rurbanization. He addressed issue happened because of migration in urban area. He narrated the example of developed countries. He highlighted the points why people don't move there from village to city? He explained faculties to map the problems to identify the issues by measuring Human Development Index (HDI) of Villages and the level of development can be found. He presented various



Implementation meeting of Vishwakarma Yojana: Phase-II  
(Techno-Economic Survey stage)

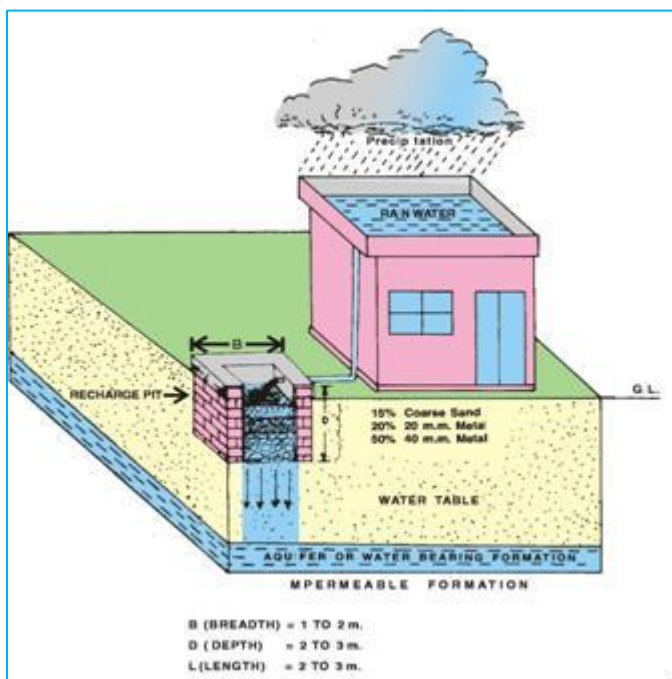
examples of infrastructure projects in India. He congratulated GTU for coming forward to help the Community.

**Technical Session:**

Mrs Jagruti Shah initiated Technical session by giving brief introduction of expert Mr. Harshal Parikh working as "Associate" for infrastructure service with VMS Engineering & Design Service (P) Ltd. Ahmedabad. The topic of discussion was

"Why Rain Water Harvesting?"---The answers:

- Because water should never be wasted and allowed to flow out of any village or community facing a drinking water shortage
- Because it costs less to collect rainwater than exploit groundwater
- Because collecting rainwater is the only way of recharging the water sources and revitalising the dry open wells and the dry hand pumps
- Because it gives an opportunity to communities to come together and work closer. It allows for the decentralised control and community management of their own water.



- Because traditional knowledge, skills and materials could be used to collect the water and no government technical assistance is required for repair and maintenance. It will also provide productive employment to the rural poor in their own villages.

Mr. Harshal Parikh presented Design of Rain Water Harvesting system for villages. He presented all

the design parameters for the planning of rain water harvesting system for village planning. He explained calculation, part of demand, supply, peak factors and other designing parameters. He described all the norms as per National Building



Implementation meeting of Vishwakarma Yojana: Phase-II  
(Techno-Economic Survey stage)

Code (NBC) which will be helpful in designing Infrastructure facilities. He also explained various standard formulas, Graphs and tables and their using while designing these facilities. He presented some live case studies, advance technologies to reduce cost, manpower, land and other which is easy to adopt by villages. He gave good options for rain water harvesting system which is must for water resource planning. Nodal officers asked their issues while designing these facilities in the end of the session and discussed the same with him.

Dr. Indrajit Patel thanked Mr. Harshal Parikh on behalf of GTU.

**Brain Storming Session:**

Dr. Indrajit Patel, Hon'ble director Vishwakarma Yojana pointed out various benefits of website portal for interaction of Nodal Officers & Young Engineering. He briefed nodal officers for upcoming technical workshops for Green Technology & project management Software.

Mrs Jagruti Shah Project Co-ordinator, briefed about outcome of Techno Economic survey Phase & How to design the Progress report as per format &



guidelines. She shared her view for sustainable Planning solutions & renewable energy sources which students are going to design in this semester. She discussed various proposals for sustainable planning like Dry compost toilet, Rain water harvesting systems for schools & community health centre, Community Biogas plant, Use of solar energy in different buildings, Low cost housing and many more.



Implementation meeting of Vishwakarma Yojana: Phase-II  
(Techno-Economic Survey stage)

Ms. Neha assisted all for student's financial issues & explained how to fill certificate's for student's remuneration. Ms. Usha banker, Deputy Director helped all for administrative issues.

Dr. Indrajit Patel thanked all Nodal Officers & staff of GTU for making program success for Vishwakarma Yojana.

**Glimpse of Meeting:**







Implementation meeting of Vishwakarma Yojana: Phase-II  
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**On behalf of Vishwakarma Yojana, GTU, Ahemdabad**

**Dr. Indrajit Patel**

**Mrs. Jagruti Shah**

**Ms. Usha Banker**

