



A Report on
Technical workshop
of

“Reimagine, Redesign & Rejuvenation of Villages”

Date: 22nd March, Saturday, 2014

Venue: Auditorium, Parul Campus, Waghodia, Vadodara



*Presented by: Mihir Shah, Vijayant Singh (Students of PIET),
Dr. Indrajit Patel, Mrs. Jagruti Shah & Mrs. Usha Banker*



**GUJARAT TECHNOLOGICAL UNIVERSITY,
AHMEDABAD**





**Gujarat Technological University,
Ahmedabad, Gujarat.**

**A Technical workshop of Vishwakarma Yojana at Parul Institute of
Engineering & Technology, Vadodara.**

(22nd March, 2014)

Concept by Dr. Akshai Aggarwal, Hon'ble Vice Chancellor:

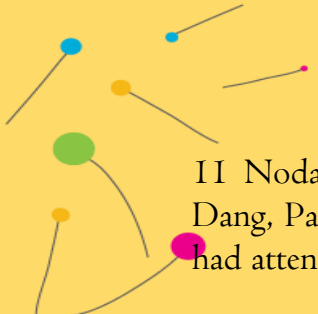
The aim of the Vishwakarma Yojana was to study village life with respect to the delivery of basic needs and then to re-imagine, redesign, rejuvenate and strengthen the community life. Any research work without direct relevance to the society will not normally lead to great Engineering Research. The students are required to re-imagine & redesign the infrastructure and make sure that the soul of the village is supported by the new architecture.



GTU had organized a one day Technical workshop on “Reimagine, Redesign & Rejuvenation of Villages” for Vishwakarma Yojana: Phase-II held on 22nd March, 2014 at 9:30 am at Auditorium of Parul Institute of Engineering & Technology, Limda.

The workshop was inaugurated by esteemed speaker Shri Gopal Shah, Consultant for Urban planning, Infrastructure planning and tourism development, Shri Shailesh Shah, Consultant Infrastructure network, Vadodara and the dignitaries, Prof. Ruchi Shrivastava, Principal, Parul Institute of Engineering & Technology (Diploma studies) Ist shift, Limda, Mr Jatin Vaidya, Principal, Parul Polytechnic Institute, Ist shift, Limda, and Mrs. Jagruti Shah, Project Co-ordinator of Vishwakarma Yojana.





11 Nodal officers from Vadodara, Bharuch, Narmada, Surat, Navsari, Tapi, Valsad, Dang, Panchmahal, Dahod & Anand district and 326 Students from respective colleges had attended workshop.

Student of P.I.E.T. welcomed all. As per our Indian tradition, Workshop was initiated with Prayer & lighting of the lamp by dignitaries then continued the felicitation process of guests and later on invited Mrs. Ruchi Shrivastava and Mrs. Jagruti Shah to share their views about this project and the purposes of the today's workshop.



Mrs. Ruchi Shrivastava, Principal, Parul Institute of Engineering & Technology (Diploma studies) welcomed all to the Parul Campus. She appreciated efforts of all Students & faculties associated with Vishwakarma Yojana. She explained that the basic needs, employment opportunity and rural Infrastructure management Techniques for rural people are necessary for Gujarat villages. She thanked Hon'ble VC – Dr. Akshai

Aggarwal for bringing such a prestigious project for Students of GTU & giving them opportunity to get real world experience. She motivated Student & Nodal officer to apply recent Technology & find better Solution for village development.

Mrs. Jagruti Shah, Project Co-ordinator of Vishwakarma Yojana briefed all about the progress of Vishwakarma Yojana stepwise, objectives features, planning & present Status work to be done during current phase, modality of project in context to rural development & role of education institutions. She explained the aspects of Infrastructural & Social designs for villages. She explained to all that about technical Session themes and concept of **Reimagine, Redesign and Rejuvenation**.

Technical session – I: “Design of Village Development Plan”

The first Session was conducted by Shri Gopal Shah, Consultant for Urban planning, Infrastructure planning and tourism development. Mr. Gopal shah has served as a town planner in Vadodara Municipal Corporation.

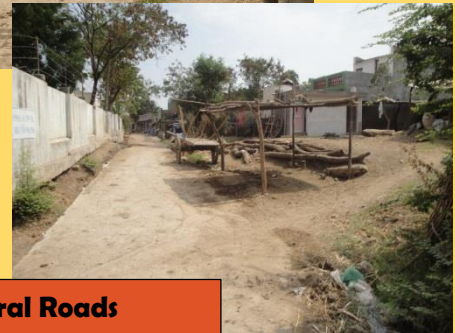
In his presentation, he presented his studies done to prepare detail project report for village Angareshwar under CSR Project of GNFC. He has covered all the aspects for developing village effectively. Socio-Economic Survey, Technical details, Household survey details and various methodology through which all parameters for better development can be covered. He presented the basic proposed design like Aanganwadi & School, Community hall and other which was demand of village dwell.



He continued with the housing condition, Sanitation/ Storm drain with a proper map of Drain Network Design. He had explained about water supply system, Solid waste management and Provision of street lights in the village. He proposed road according to his evaluation in the village.



Redesign & Rejuvenation of Community Centre



Redesign & Rejuvenation of Rural Roads



Redesign & Rejuvenation of Village Pond



In addition to that he proposed various designs like Panchayat office, Lake development, Village square, Bus stand, Havado, Crematorium, Khadiyat, Environmental plans and Economic aspects for the development of village. He shared various examples from his experience which were very much helpful for all to understand redesign process. He concluded his presentation by providing of perfect development summery of the village. Nodal officers and students asked various problems faced by them and solutions for the same were given.

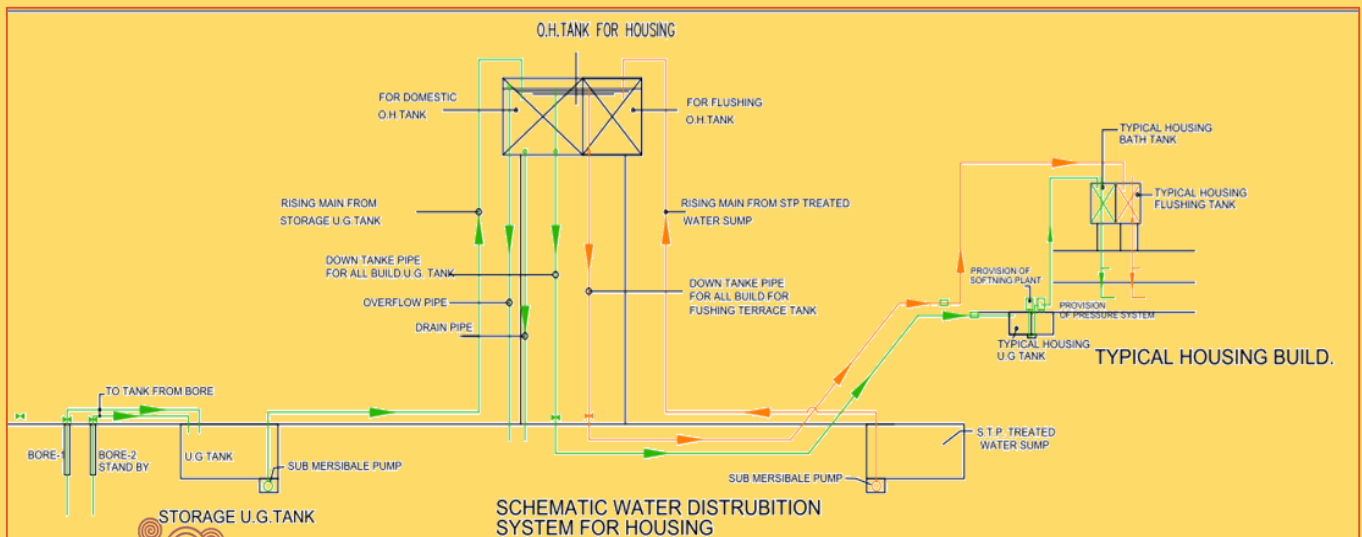


Technical session -II: “Repair and Redesign of Core-Infrastructure Network in village”

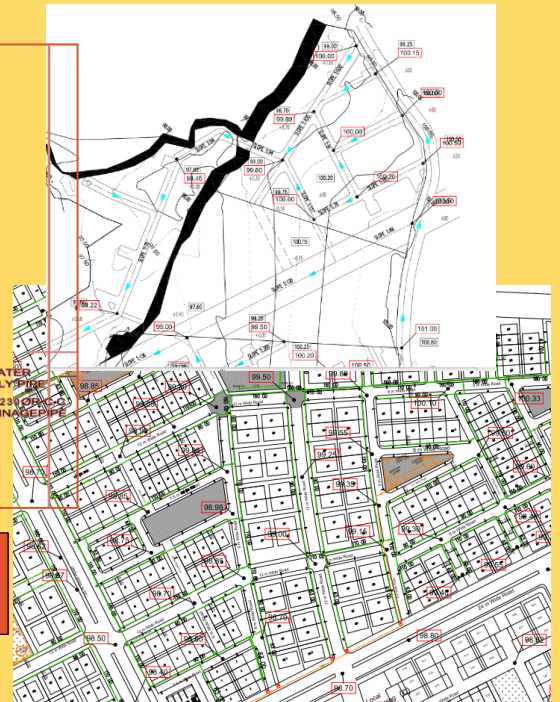
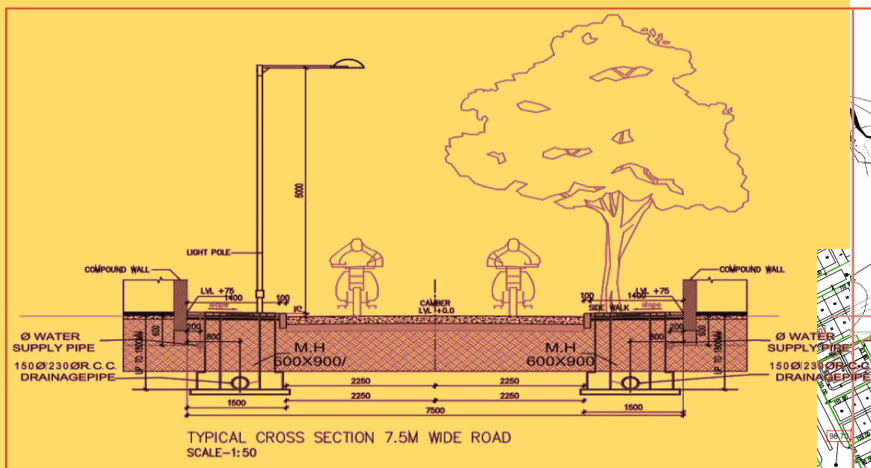


The second Session was conducted by Shri Shailesh Shah, Consultant at N.K. & Associates, Vadodara. He is a personality with vivid skills and potentials with more than 24 years of profound experience in professional consultation, Designing and supervision of multi-dimensional projects.

His presentation was about repair and redesign of infrastructure network in villages which include water distribution Network, Drainage network, Storm water network and road sections.



He started his presentation with discussing about the basic difficulties found in core infrastructure network planning. According to him the barriers are Water distribution network, Road level / Storm water runoff and Open drainage network. He briefed about the water supply in villages according to the norms and continued with the problems faced in Waste / Sewerage water. He suggested with the solution by making various steps which are contour map, Storm water flow, Water supply & Drainage route planned model, Schematic water distribution and road section. He concluded by discussing major factors affecting costing of infrastructure networks.



Repair & Rejuvenation of Core-Infrastructure network in village

Technical session III: “Rejuvenation and Redesign of Public Buildings in villages”

The third session was conducted by Shri Dharmesh Juremalani, Asst. Prof. in ITM School of Arch. & Design, Vadodara. His areas of interest are encouraging physical activities through urban designs, healthy urban settlement and sustainable architecture.

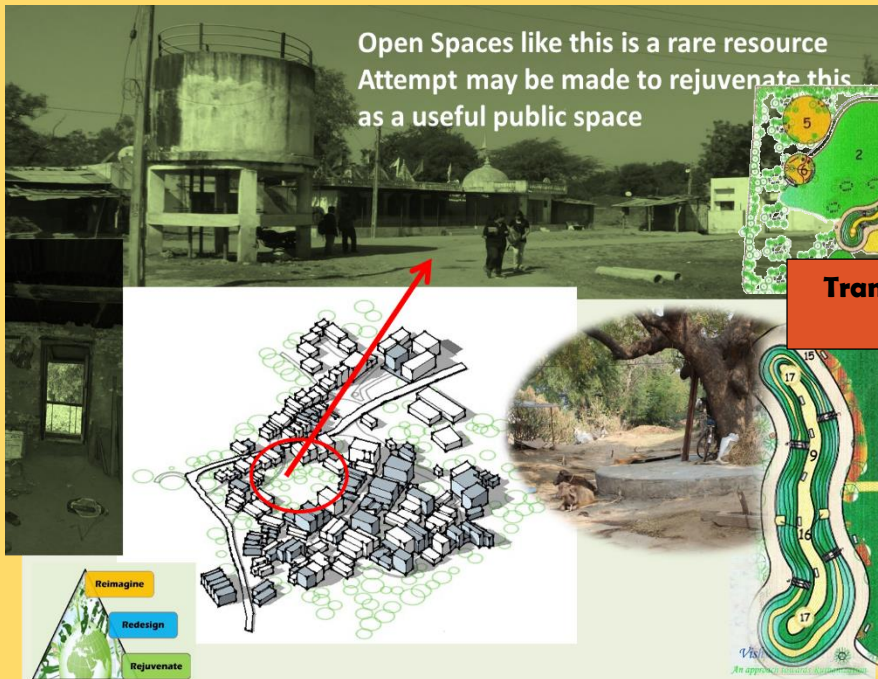
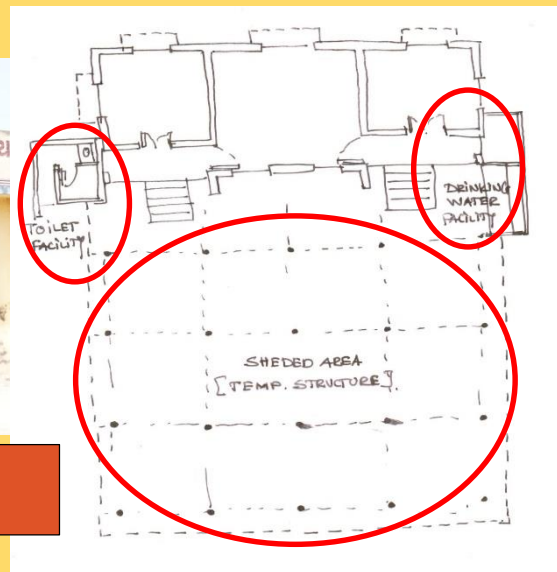
His focus of presentation was rejuvenation and redesign of Public buildings in villages. He began with the meaning of the terms rejuvenate and redesign.



He had explained different methods to redesign of the old buildings like Gram Panchayat office, PHC, Schools, Community hall, Public library, Public Toilet block, etc. He explained this with the past situation of those particular buildings and compared it with the suggested plans which rejuvenate the basic facilities with economy. In addition to this rejuvenation can be done by the Structural Repairs, Up-gradation of Protective layers, Addition in facility (like drinking water, toilet etc.) and Addition in existing functions (like shed to accommodate gram-sabha etc.). He shared some examples of redesign in Vadodara (like palace converted in to Hotel, Govt. office converted in to Museum etc.). He simply describe the redesign by taking an example of clinic in which by addition in facility to suit the changed need (like Drinking water, Ramp for wheel chair etc.). He gave an excellent idea about converting the open spaces in purposeful amenities. At the end he briefed with the water body rejuvenation (Pond Beautification) to make it useful and beautiful.



Rejuvenation of Gram Panchayat Building with Gramsabaha Area





Brain Storming Session



Mrs. Jagruti Shah briefed about Design phase to Student & Nodal Officers. Student & Nodal officers shared their Problems & issues for designs in villages. She gave solutions to different technical issues for village planning. She had explained the design proposals for overall development of village includes Physical, Social and Socio-Cultural infrastructures facilities based from the gap analysis and people's responses and various recommendation & suggestions for Sustainable village development should be included in DPR. She shared various guidelines for designing part. She explained techniques for overall development of village with effective and sustainable planning.

On Behalf of VY Team, B.E. student of P.I.E.T expressed their gratitude and sincere thanks to Dr. Akshai Aggarwal, Hon'ble Vice Chancellor for his motivation and valuable support to project. She thanked all eminent speakers, Students, Nodal Officers, Co-ordinators of Vishwakarma Yojana & Staff of Parul Institute & team of GTU for making the workshop success for Vishwakarma Yojana.

On behalf of GTU

Dr. Indrajit Patel

Ms. Jagruti Shah & Mrs. Usha Banker

