

Gujarat Technological University

Ahmedabad, Gujarat

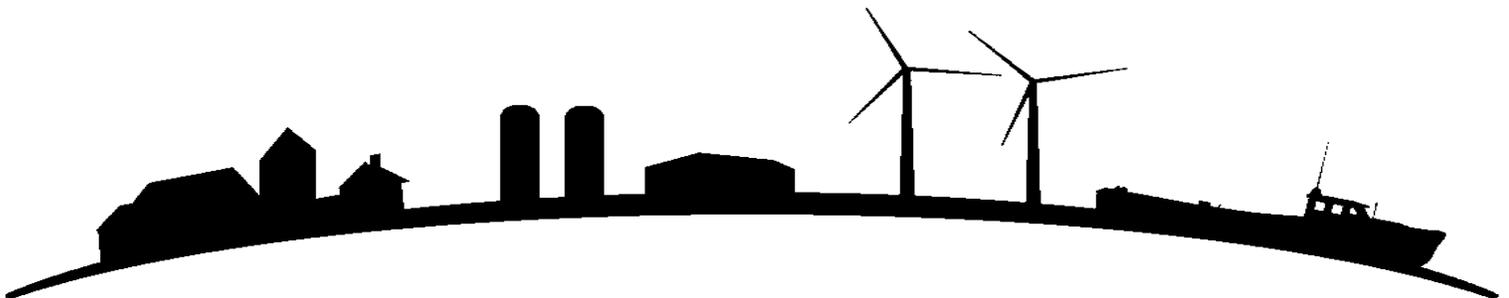
Minutes of Meeting of Vishwakarma Yojana: Phase-II

Date: 07/02/2014

The second meeting of Vishwakarma Yojana: Phase-II for Nodal officers was held on 7th February, 2014 at 03:00 P.M at the A-2, Conference Hall of Gujarat Technological University, Chandkheda campus, Gandhinagar. The core agenda of the meeting was review the work done in Part-I (Data collection & Sustainable Design Phase) and action plan for Part-II (Gap & Infrastructure Planning Phase).

The meeting was chaired by Hon'ble Vice Chancellor Dr. Akshai Aggarwal. Dr. G. P. Vadodaria, I/C Registrar, Dr. Indrajit Patel- Hon. Director, 46 Nodal officers from different institutions, Ms Usha Banker, Deputy Director and Ms Jagruti Shah, Project Coordinator attended the Meeting.

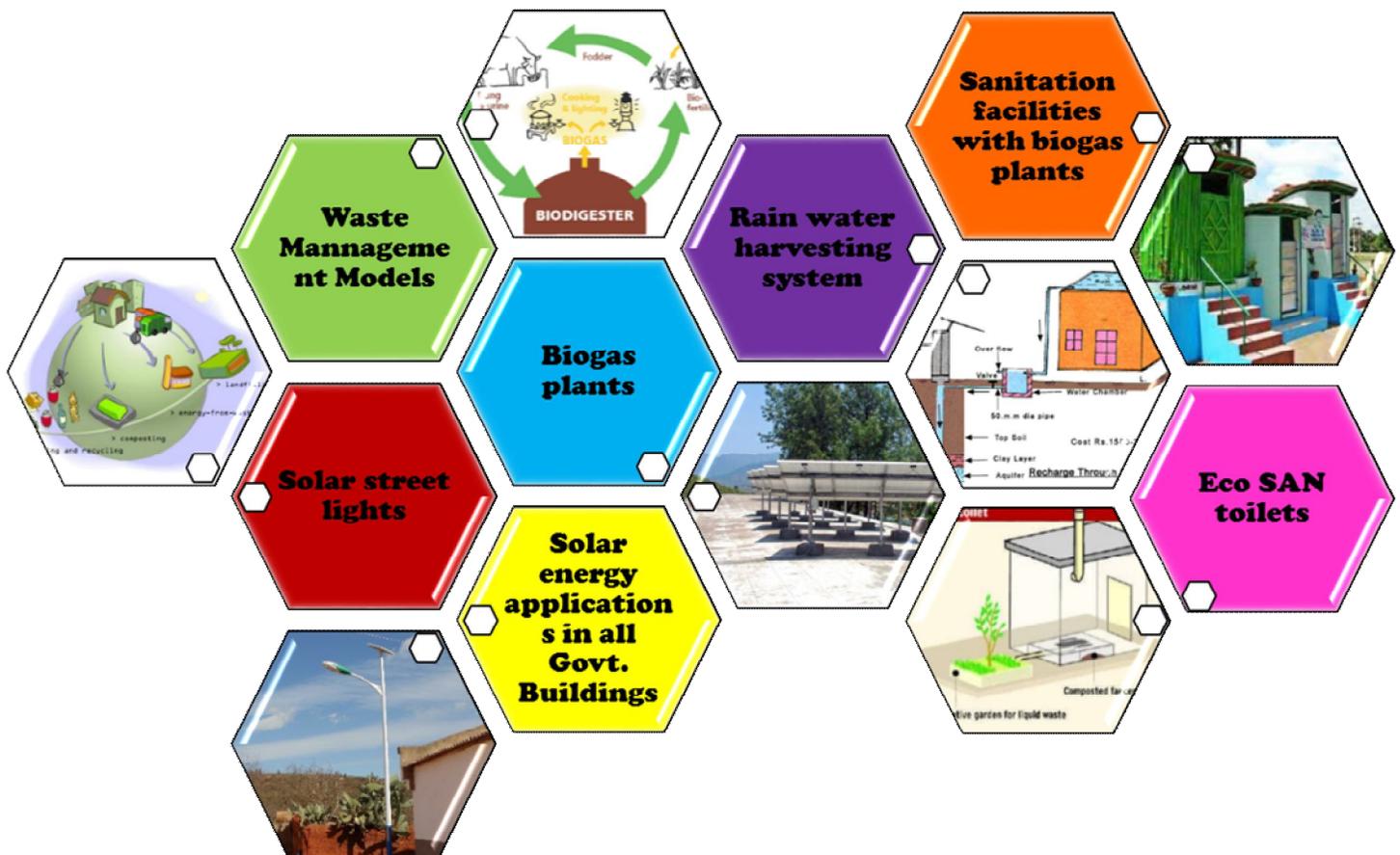
Dr. Indrajit Patel welcomed all. He appreciated the efforts of all nodal officers and young engineers of future India on behalf of GTU. 187 villages, 48 Degree & Diploma Institutes, +770 Students from Civil & Electrical branch are giving their best for Vishwakarma Yojana: Phase – II. The first phase of the project was aimed to study the present status and techno-economic survey of 187 villages in terms of basic and public amenities, essential commodities, and other infrastructural facilities for the need of people and to prepare reports on the adequacy of the available resource with reference to the population of the village and growth of the area. During techno-economic survey of villages essential parameters for development were studied. Gap analysis was found by comparing all data with planning standard and based on that design proposal, recommendation and suggestions have been suggested in the form of Sustainable planning solution in the report. He mentioned on Technical workshops held in Gandhinagar, Surat, Anand and Rajkot which was very much helpful for students to get effective technical knowledge for sustainable planning.



He briefly explained the Work done in Vishwakarma Yojana: Phase-II (Part-I). At the end of this Phase student from respective colleges completed Techno economic survey and furnished designs for Rain water harvesting system for the Schools & Health Centre, Eco toilets, Biogas



Plants, Waste management Models, Primary Energy auditing for all Govt. Buildings, Solar Applications like Solar street lights & other as sustainable solutions for villages. He acknowledged few excellent work done by different teams of VY.



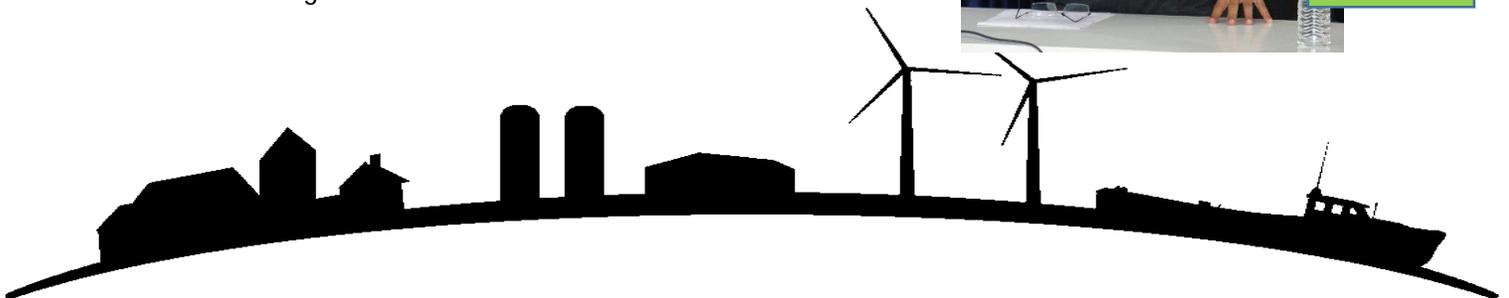
Sustainable design proposals prepared by students for different villages in Vishwakarma Yojana: Phase-II (Part-I)



Dr. Indrajit Patel indicated that based on Data Analysis, Students will design the core infrastructure facilities for scaling up rural life like Physical Infrastructure Facilities (Water Network, Drainage Network, Road Facilities & Solid liquid waste management), Social Infrastructure Facilities (Health Facilities like PHC, CHC & Child welfare & maternity Home, Education Facilities like Aaganwadi, Primary & secondary school, other vocational course center, Sanitation Facilities like Public Latrine block, Dry toilets, Eco Sanitation & other), Socio-cultural facilities (Community Centre cum recreation hall, Public Garden, Pond Development, Public Library cum community Hall) and Other (Repair & Maintenance of existing buildings like Panchayat building, schools, PHC & other, Repairing of roads, internal streets & approach road). To achieve this objectives action plan is prepared which include Technical workshops will be organized to help students in designing the above mentioned facilities, Detail project report format and other essential data will be provided to all students to help them in making ready to execute documents and Interactive workshop will be organized to solve all the queries in all respective areas.

He expressed his gratitude and sincere thanks to Dr. Akshai Agrawal, Hon'ble Vice Chancellor for his motivation and valuable support to project. He thanked Dr. G.P. Vadodaria, I/C Registrar for his timely support. He acknowledged all the nodal officers and students for their support and requested them to continue in the same manner till the final submission of DPR of all villages. He took the note of force supported by Team GTU.

Dr. G.P. Vadodaria, I/C Registrar welcomed all. He acknowledged the work done by Vishwakarma Yojana Team for better planning of villages. He explained that Green development does not necessarily mean extra cost. Proper planning and right construction practices can actually bring down the project cost which directly reaches to the affordability. He was happy that other than technical institutes were now attracted to know about VY. He wished all for the great work.

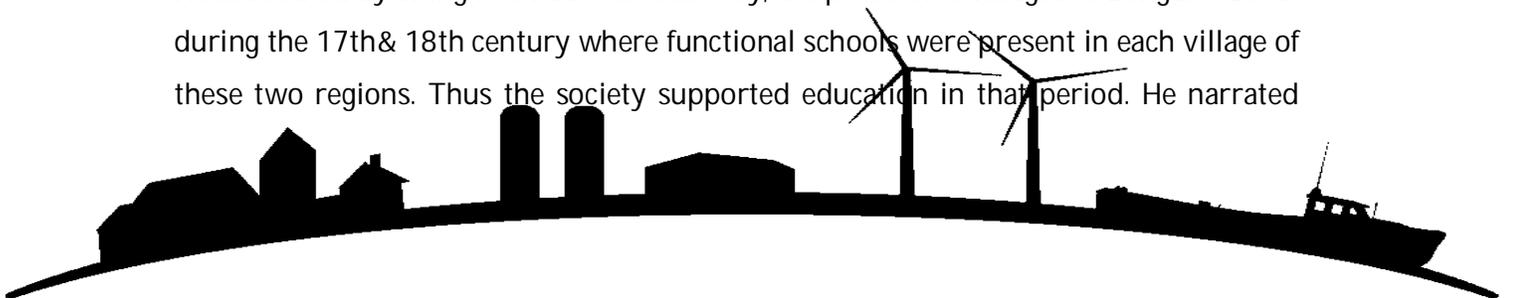


Hon'ble Vice Chancellor, Dr. Akshai Aggarwal welcomed all. Firstly, he congratulated all the nodal officers and student teams for their active participation in Vishwakarma Yojana. He requested nodal officers to nominate their team's work for the 2nd Pedagogical Innovation Award function on the 3rd Sankuls Day. Awards, titled Innovative Students' Co-Creation Awards for Leadership and Excellence (i -SCALE) have been established to scout, recognize and award student-led initiatives in the fields of innovation, technology development, pedagogy, leadership, entrepreneurship and similar other endeavors. He suggested all nodal officers to nominate student's initiative for village planning.



In developed nations, people from megacity or town are used to travelling to small communities and villages during the weekend break or vacation to experience the beauty of and feelings of villages. They enjoy the culture of rural area and amenities for comfort; as these communities or villages are developed with the concept of Rurbanisation. Gujarat Government at the right time has taken the initiative to make the villages a Vibrant Space to live.

He illustrated by citing from a book of history, the position of villages of Bengal & Bihar during the 17th & 18th century where functional schools were present in each village of these two regions. Thus the society supported education 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 the 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 the delivery of basic needs and then to re-imagine, redesign, rejuvenate and strengthen the community life. He pointed out that any research work without direct relevance to the society will not normally lead to great Engineering Research. He said that the students were required to make sure that the soul of the village is supported by the new architecture. For village development to be sustainable and participatory, it is imperative that the community owns its village development plans and that the community ensures that development is in consonance with its needs. He said that by taking up their project under VY, a student is able to become both a good technologist as well as an agent of change for the better.

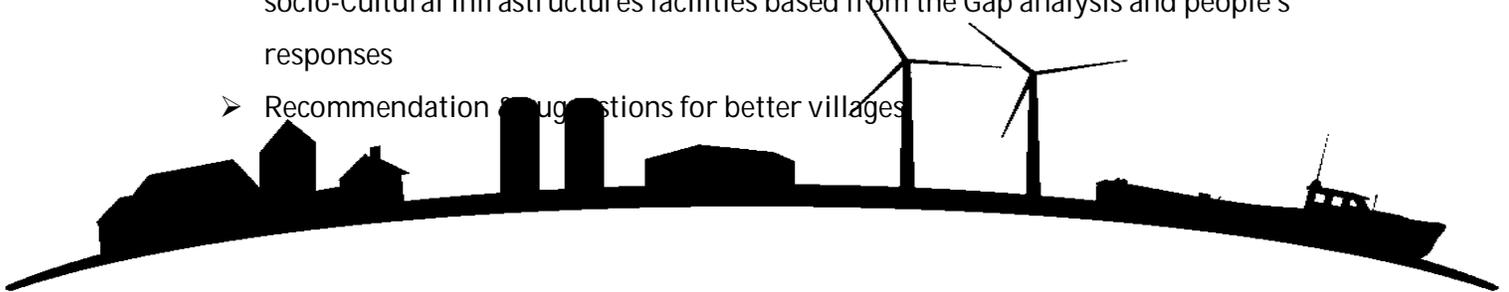
Ms. Jagruti Shah, Project Coordinator narrated various recommendations and suggestions which students could possibly include in their report. Inclusion of sustainability aspects and economic generation will be helpful more in the process of village development. Agriculture, handicrafts, fisheries, poultry, and dairy are the primary contributors to the rural business and the economy. She said that just as implementation is the touchstone for planning, people's participation is the core of rural development. People's participation is one of the foremost pre-requisites of development process both from procedural and philosophical perspectives.



She gave solutions to different technical issues for village planning. She explained the work action Plan for Part-II:

Part-II (Planning & Designing Phase)

- Design Proposals for overall development of Village includes Physical, Social and socio-Cultural Infrastructures facilities based from the Gap analysis and people's responses
- Recommendation & suggestions for better villages



➤ Conclusion & Future scope of the study

Dr. Indrajit Patel informed all the nodal officers that to present the work done by students in front of village dwellers, Sarpanches, Panchayat members, NGOs working in villages to make them aware about the best solution to develop their village with affordability and sustainable.

Ms. Usha Banker, Deputy Director helped for admin issues.

At the end, Dr. Indrajit Patel thanked Gujarat Technological University for providing us such opportunity to work under Vishwakarma Yojana to get real work experience and applying our technical knowledge in the development of Villages. He expressed his deep sense of gratitude to Dr. Akshai Agrawal, Hon'ble Vice Chancellor for his encouragement and support during project work, Dr. G. P. Vadodaria, I/C Registrar-GTU, all students, Nodal Officer, Principal and Team of GTU for their committed work for Vishwakarma Yojana.

The meeting ended with thanks to the Chairs.

Glimpse of the meeting:





On behalf of GTU

Dr. Indrajit Patel
Ms. Jagruti Shah
Ms. Usha Banker

