

**A Report**  
**on**  
**Orientation Program**



***Vishwakarma Yojna:***

***An approach towards Rurbanisation***

**at SKPCET, Visnagar, Mehsana**

**5<sup>th</sup> August, 2013**

**Presented By:**

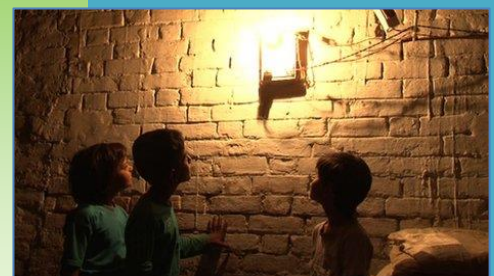
**Dr Indrajit Patel, Hon. Director**

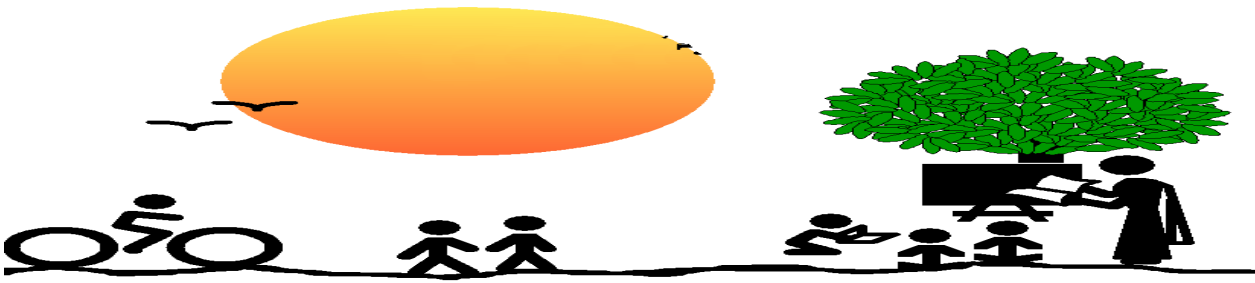
**Ms Jagruti Shah, Co-ordinator**



***Gujarat Technological University,***

***Ahmedabad, Gujarat***



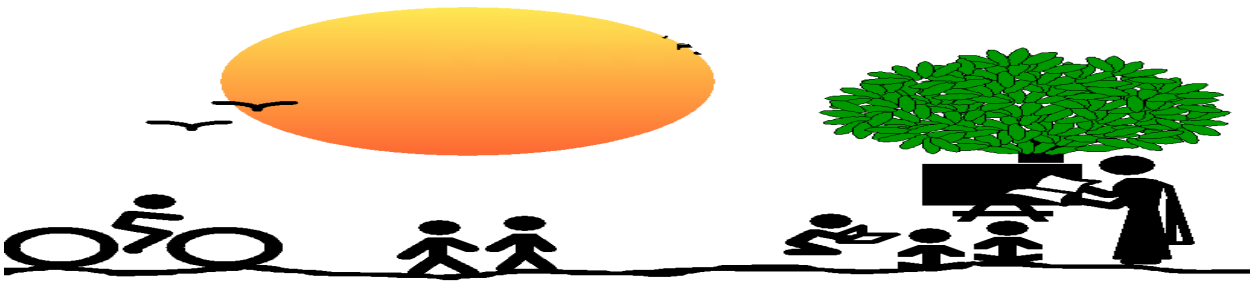


**Concept by Dr. Akshai Agrawal, Hon'ble Vice Chancellor, GTU:**  
**Creation of infrastructure: connectivity, civic and social infrastructure along with provision of alternative employment opportunities are the key pillars that the concept of Rurbanisation hinges on.**

Gujarat Technological University organized a one day Orientation Programme of Vishwakarma Yojana: Phase-II held on 5<sup>th</sup> August, 2013 at 11:30 a.m. at the Auditorium Hall of Sakadchand Patel College of Engineering, Visnagar, Mehsana

Function was chaired by Dr. D. J. Shah, Principal, Sakadchand Patel College of Engineering & Technology, Prof Y. S. Patel, Head of Civil Engineering Department and Heads of other technical engineering Department. 7 Nodal officers from GEC- Palanpur, GP-Palanpur, GEC- Modasa, GP- Vadnagar, C.U.Shah-Surendranagar, VPMP-Gandhinagar, VGEC- Chandkheda and 107 Students from respective college attended Orientation Program.

Vishwakarma Yojna is now in Second Phase to introduce Project and Scope of work of Students & nodal officers, GTU has planned to organize orientation program in different zone coordinated by Mrs. Jagruti Shah, Project Coordinator, Vishwakarma Yojana with support from GTU and participating institutes. Main objective of this program was to



provide all the information of Vishwakarma Yojana, Details of Techno-Economic Survey and other necessary details of Project. Orientation program was organized for villages included in Mehsana, Gandhinagar, Banaskatha, Sabarkatha and Surendranagar District.

Prof. Y. S. Patel, HOD of Civil Engineering Department welcomed all invitees on behalf of S.K. Campus. He expressed his gratitude to Dr. Akshai Agrawal, Hon'ble Vice Chancellor-GTU for allowing working in such a prestigious project. He acknowledged students, their respective institutes & Team of GTU for their efforts and Successful completion of Phase-I. He requested all students to give their best and also added village development is basic need for Country like India. He requested to Dr. D. J. Shah, Principal, SKPCET to share his view on this occasion.



**Dr. D. J. Shah,  
Principal, SKPCET,  
addressing to  
Participants.**

Dr. D. J. Shah welcomed all participants and Mrs. Jagruti Shah on behalf of Institute and S.K. Campus. He addressed students by giving few live examples prevailing in urban areas & rural areas. He pointed out that, in this era someone have to take stand to change the situation else revolution is not possible. Service to community is best help by human

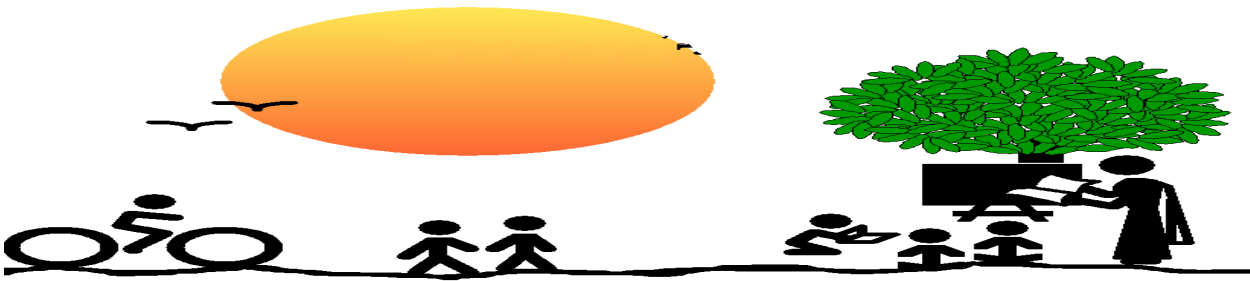


to society. As young technocrat, students are having chance through this project to help our society for better development. He thanked Dr. Akshai Agrawal, Hon'ble Vice Chancellor, GTU and Dr. Indrajit Patel, Hon'ble Director for their efforts and valuable support to Vishwakarma Yojana. This project will help all the young engineers to find the lacuna from existing development and use their technical knowhow for effective development stated by him.

**Mrs. Jagruti Shah,  
Project Coordinator  
Introducing  
Vishwakarma Yojana**



**Technical Session:** Ms Jagruti took over for session and welcomed all the participants on behalf of GTU. She asked students about their concept for developed Villages. She gave some glimpse of ideal villages of Gujarat. She said as per National Sample Survey Organization (NSSO) defines 'rural' as follows: An area with a population density of up to 400 per square kilometer, Villages with clear surveyed boundaries but no municipal board, A minimum of 75% of male working population involved in agriculture and allied activities. She explained overall concept of Vishwakarma Yojana. She has also briefed for the work done in Phase-I by Students of respective Institutes. Aim of the project is to provide urban amenities in rural areas and maintaining the rural soul. This will help in



developing villages in sustainable manner, reduce migration from villages and prevent the cities from the urban pressure. She also described all the objectives to students such as developmental work in villages that could undertaken as per the need of the village in particular includes Physical infrastructure facilities (Water, Drainage, Road, Electricity, Solid waste Management, Storm Water Network, Telecommunication & Other), Social infrastructure facilities (Education, Health, Community Hall, Library, Recreation Facilities & other) and renewable energy (Rain water harvesting, Biogas plant, Solar Street lights & Other) for Sustainable development.

**Participants  
presented in  
Orientation Program**



She explained in detail over all action plan and methodology of work by Degree & Diploma students and also discussed all the issues faced by students in Phase-I and given solution for the same. She said rural development can be richer and more meaningful only through the participation of clientele of development. Just as implementation is the touchstone for planning, people's participation is the centre-piece in rural development. People's participation is one of the foremost pre-requisites of development process both



from procedural and philosophical perspectives. Mrs. Jagruti Shah explained roadmap of work to be done by students in each semester. She also explained work separately chapter wise.

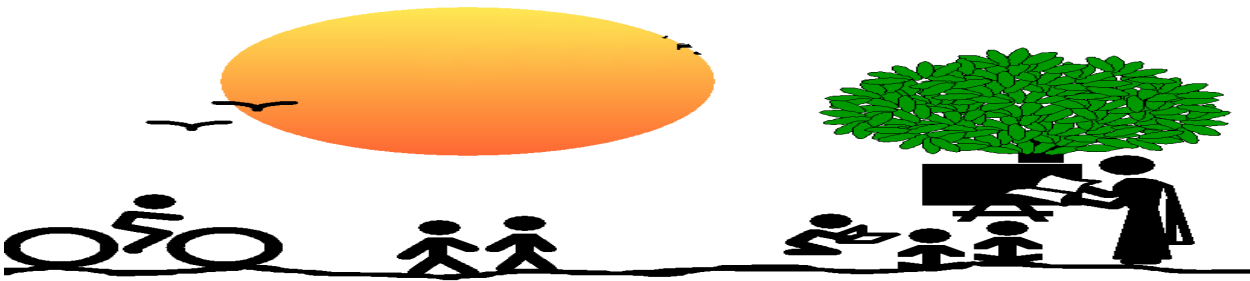
### Technical Session



### **Part-I (Odd Semester) Includes: (IDP-I)**

#### **Data Collection & Recommendation Phase**

- I. Data Collection- Techno economic survey
- II. Data Presentation
- III. Visit of Ideal Village of Respective District
- IV. Gap Analysis
- V. Recommendation & Suggestions for Village Development



She gave guidance to all the participants for techno-economic survey work. She explicated Survey form for Phase-II and defined all the parameter of Survey which is uploaded on GTU website.

## **Part-II (Even Semester) Includes: (IDP-II)**

### **Planning & Designing Phase**

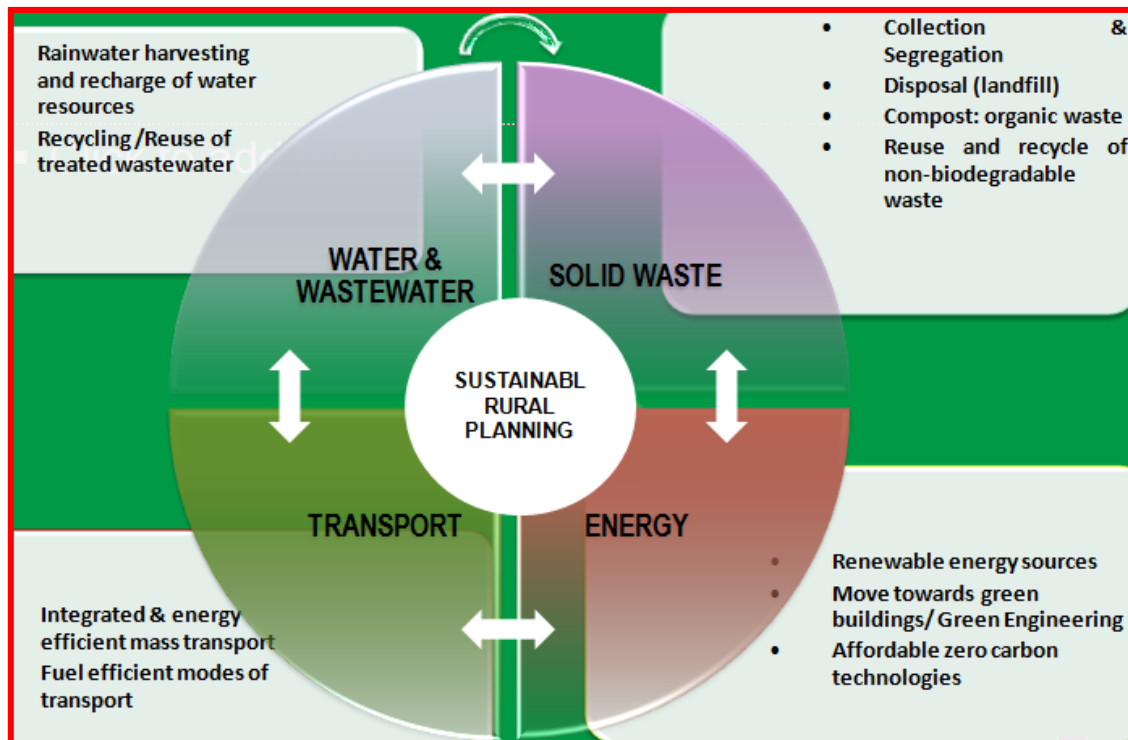
- I. Design Proposals for overall development of Village includes Physical and Social Infrastructures
- II. Design Proposals for Sustainable Planning includes Non conventional energy Sources
- III. Conclusion

She shared various developments in villages of Gujarat with live case studies such as for the waste water network, model of village Khintla, Surendranagar for Low cost network and resource utilization. She gave brief details of Root Zone Technology for Liquid waste Management. For Solid waste management, TAPI-Model, adoption will be the best solution for economic boost up and clean village philosophy. She explained concept of village sustainable system with all these examples. She covered all the amenities from grass root level to developed town level for village development. She presented concept of Low cost Housing for better housing condition for village dwellers. She shared various guidelines and norms for physical as well as social infrastructure facilities.

She also addressed students for different workshop and training Program will be planned to help students for all technical guidance by GTU. She said that all the proposal are designed by keeping the following parameters in mind like built and landscape into a cohesive whole, Water charging / reuse as integral part of the design process, Major thrust into local / regional species, Low energy intensive, Low maintenance , Creation of



sustainable environments, In tune with Sun / wind / water / soil, Introduce alternate energy sources, Generate an effective reuse & recharging the water basin, Introduce separate systems of distribution network for raw water and drinking water, Drainage to be treated with root zone technology and reuse the treated water for Sustainable



Development. At the end of presentation, students asked their various questions and solutions were given for the same. Discussion was very much helpful to students and nodal officers to fill technical gap as well as to share their view.

Prof. Y. S Patel, HOD of Civil Engineering Department, SKPCET thanked Gujarat Technological University for providing them such a prestigious opportunity which will be helpful to students for getting real world experience. He thanked Mrs. Jagruti Shah for their guidance to Students. He thanked GTU for providing opportunity to students to get real experience on field.





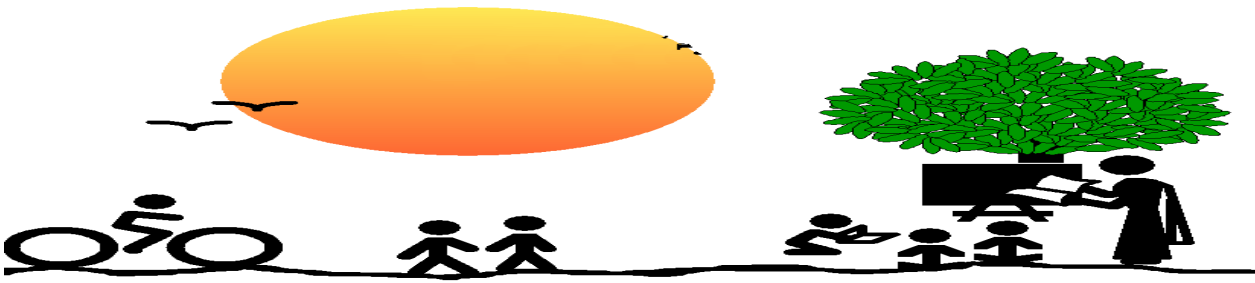
At the end, Mrs. Jagruti Shah has highly indented to Gujarat Technological University, Ahemdabad for providing us such opportunity to work under Vishwakarma Yojna to get real work experience and applying our technical knowledge in the development of Villages. She expressed his deep sense of gratitude to Dr. Akshai Agrawal, Hon'ble Vice Chancellor, Gujarat Technological University-Ahemdabad, for his encouragement and support during project work, Registrar-GTU, all students, Nodal Officer, Principal and staff of Sakadchand Patel College of Engineering & Technology, Team of GTU for making orientation program success for Vishwakarma Yojna.

**On behalf of Vishwakarma Yojna, GTU, Ahemdabad**

**Dr. Indrajit Patel**

**Mrs. Jagruti Shah**

**Ms Usha Banker**



#### For Reference:

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5. Minutes of Orie ntation Programme of VishwakarmaYojana he ld on 31st july @ Vadodara  
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