

A Report
on
Orientation Program of



Vishwakarma Yojna:

An approach towards Rurbanisation

**Dr. S & S.S Gandhi College of Engineering &
Technology, Surat**

7th August, 2013

Presented By: Dr Indrajit Patel & Ms. Jagruti Shah



Gujarat Technological University,

Ahmedabad, Gujarat



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

Villages of India are the Soul of the Nation and epicenter of economic growth and development of nation. In developed nation people from megacity or town use to travel to small community and villages during week end break or vacation to experience the beauty of and feelings of villages. They enjoy culture of rural area and amenities for comfort ;as these community or villages are developed with the concept of Rurbanisation. Gujarat Government at right time taken the initiative to make the villages a Vibrant Space to live. GTU though the affiliated institute students is aimed to provide Design to Delivery report under project called “ Vishwakarma Yojana.



Gujarat Technological University organized a one day Orientation Programme of Vishwakarma Yojana: Phase-II held on 7th August, 2013 at 12:00 noon at the Civil Engineering Drawing Hall of Dr. S & S.S Gandhi College of Engineering & Technology, Surat.

Function was chaired by Shri H.I. Patel, Principal, Dr. S & S.S Gandhi College of Engineering & Technology, Surat, Prof. M. J. Patel, Nodal Officer, Prof. R. B. Khasiya, Head of Civil Engineering Department and Ms. Jagruti Shah, Project Coordinator, Vishwakarma Yojana, GTU. 19 Nodal officers from GEC- Surat, GP-Valsad, GEC-Valsad, GEC- Bharuch, KJP-Bharuch, SVMIT-Bharuch, CKPCET-Surat, SSASIT-Surat, BVPIT & SNPIT -Umrah, LIT-Sarigam, GP-Dang and 283 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 Surat, Valsad, Bharuch, Tapi, Navsari and Dang.

Final Year Student from respective Institute welcomed all invitees on behalf of Dr. S & S.S Gandhi College of Engineering & Technology campus. After the floral welcome, he briefed about Vishwakarma Yojana and thanked GTU & Dr. Akshai Agrawal, Hon'ble Vice Chancellor-GTU for allowing working in such a prestigious project. He requested Prof. H. I. Patel, Principal, Dr. S & S.S Gandhi College of Engineering & Technology, Surat to share his view on this occasion.



Floral welcome to all Invitees

He welcomed all participants and Mrs. Jagruti Shah on behalf of Gandhi college Campus. He thanked Dr. Akshai Agrawal, Hon'ble Vice Chancellor, GTU for bringing such a prestigious project for Students to get field experience and to put strong foundation in real world. 70% Indian people lives in rural India but people are more influenced by city concept due to that haphazard development and slums created in urban



region. Agricultural land is continuously converting non agricultural land due to higher population growth rate stated by him. He also said that feelings of social cohesiveness are decreasing in India just like western countries. To overcome this concept of neighborhood should be adopted by students while planning for villages. He requested students to concentrate on villages located on remote areas and plan best for rural India.

Prof. H. I. Patel,
Principal, Dr. S & S.S
Gandhy College of
Engineering &
Technology, Surat



Technical Session: Ms Jagruti took over for session and welcomed all the participants on behalf of GTU. She briefed students for concept of Rural and Urban. 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,



Participants During Orientation Program

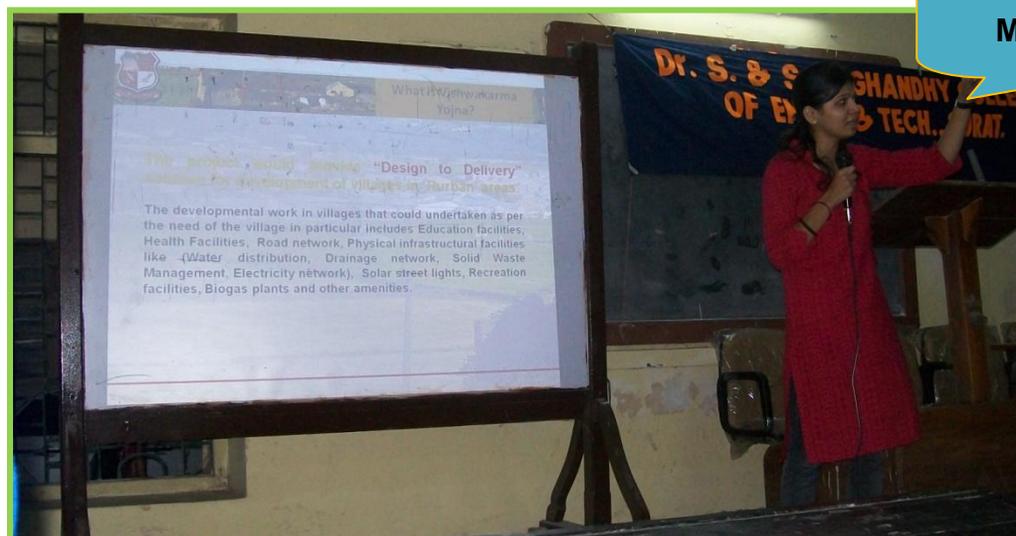
Solid waste Management, Storm Water Network, Telecommunication & Other), Social infrastructure facilities (Education, Health, Community Hall, Library, Recreation Facilities & other) and renewable energy (Rain water harvesting, Biogas plant, Solar Street lights & Other) for Sustainable development.

She explained in detail over all action plan and methodology of work by Degree & Diploma students. She 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 by
Ms. Jagruti Shah



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.

**Technical Discussion
with Faculties and
Students**





Prof. V. K. Shah, HOD of Civil Engineering Department, thanked Gujarat Technological University for providing them such a prestigious opportunity which will be helpful to students for getting real world experience. He thanked team of GTU for their efforts to complete Phase-I successfully.

At the end, Mrs. Jagruti Shah has highly indebted to Gujarat Technological University, Ahmedabad 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-Ahmedabad, for his encouragement and support during project work, Registrar-GTU, all students, Nodal Officer, Principal and staff of Dr. S & S.S Gandhi College of Engineering & Technology-Surat, Team of GTU for making orientation program success for Vishwakarma Yojna.

On behalf of Vishwakarma Yojna, GTU, Ahmedabad

Dr. Indrajit Patel

Mrs. Jagruti Shah

Ms Usha Banker



For Reference :

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9. **Important information for all Principals for Vishwakarma Yojana**
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