



GTU

Orientation Program for the Implementation of Vishwakarma Yojana: For Saurashtra Region- Government Engineering College, Rajkot



Gujarat Technological University organized one day orientation program of Vishwakarma Yojana on 6th April 2013 at 10:00 am at Government Engineering College, Rajkot.

Honorary Director Vishwakarma Yojana Dr. Indrajit Patel, Principal Shri M.N Garach, Government Engineering College, Rajkot, Ms. Usha Banker-Deputy Director, Ms. Jagruti Shah-Urban Planner and coordinator, Ms. Naheda Chhuvara-Admin Assistant V Y Project GTU, 10 Government Officers including District Development Officers, Deputy District Development Officers, Taluka Development Officers, Sarpanch, Talati from different villages, 10 Nodal Officers and 75 students from different institutions were attended the program.

Ms. Usha Banker welcomed all and briefed about the successful completion of Vishwakarma Yojana phase-I. Honorary Director Vishwakarma Yojana Dr. Indrajit Patel briefed all about the concept of Rurban Development and progress of Vishwakarma Yojana. He also briefed the importance of project to all the invitees and requested all to support until the project complete successfully. He shared his experience and issues facing by villages by today. He also acknowledges all the members working for Vishwakarma Yojana. Dr. Indrajit Patel welcomed Mr. Vijay Patel, Director, Jal Seva Sadan Training Institute, Gandhinagar, Mr. Gaurang Desai, Urban Planner, Surat, Principal Shri M. N. Garach, Government Engineering College, Rajkot for inauguration of the program by lightning the lamp.

Mr. S.D. Dhanani, deputy DDO, Rajkot has been grateful to GTU for encouraging such a project and giving students chance to experiencing a real world problems. He also shared his view for village development and at the same time requested all village representatives to help students. He also explain concept of Rurban Town in Gujarat.

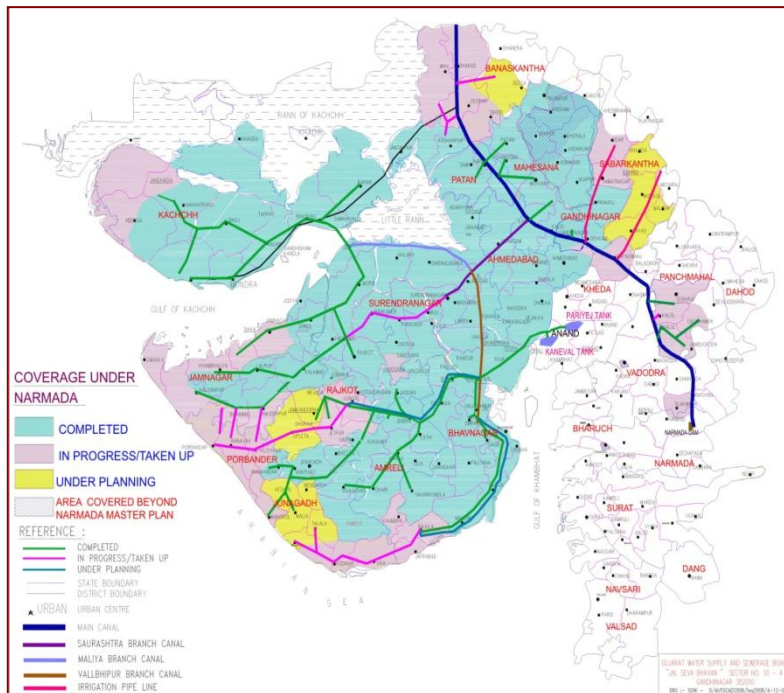
Mrs. Jagruti Shah, Project Coordinator gave brief detail about Technical session in orientation program. Orientation program has been grouped in four sessions as below:

- I) Water Resource planning
- II) Strategies for Village Planning
- III) Orientation by Students
- IV) Brain Storming Session

Technical Session – I: Water Resource Planning by Mr. Vijay Patel

Mrs. Jagruti Shah, Project Coordinator has initiated technical sessions by giving brief introduction about first expert **Mr. Vijay Patel**, Director, Chief Engineer, Gujarat Jalseva Training Institute, Gandhinagar.

Mr. Vijay Patel started his presentation with some live case studies and his experiences. He discussed various issues in water resource planning. He has given detail idea how the water from Narmada distributed to Saurashtra region. He also explained costing part for water resource planning.



At micro level, he said that planning should start from ground level in which village base map with water distribution network with gradient levels are important which is not available with all authorities. He also explained students their role for the water resource planning and given suggestion for the same.

He is also founder executor of Narmada bulk water pipe line from Maliya to Morbi and Rajula to Somnath. So he shared problems and issues phases by different agencies particularly in this region. He also shared video presentation of Narmada water in Gujarat

state. In the end of his presentation he requested to all village representatives to correct there data base and provide information to student.

Ms. Bhavna Trivedi, Quality control Officer, Rajkot District was also present in the orientation program. She briefed student for the quality of water, its importance and issues in Gujarat. She has explained various elements of water and her core focus was fluoride quantity in water. She has been presented side effects of these elements and explained Fluorosis dieses. Her presentation was very much helpful to aware student about Quality importance.



In the end of technical session-I, few of village officers asked their issues of planning to expert and discussion for the same. Ms. Jagruti Shah thanked both experts on behalf of Gujarat Technological University and offered memento.

Technical Session- II: Strategies for Village Development by Mr.Gaurang Desai

After Post lunch, Technical session – II has been presented by **Mr. Gaurang Desai**, Urban Planner from Surat. Currently engaged in various planning projects for Dholera Special Investment Region (DSIR), Bharuch Town planning Schemes and City development Plans for Madhya Pradesh.

Mr. Gaurang Desai presented **Strategies for Village Development**. He started his presentation with basis by asking village definition to students. He has explained concept of Rurban town with various definition and examples.



He shared various ideal villages in Gujarat and their development. Core Infrastructures: Nagar/ Town = Na + Ga + Ra (Nal + Gatar + Rasta), shared his view and guidelines to be followed to design the same. For the waste water network, he shared model of village Khintla, Surendranagar for Low cost waste water network and resource utilization. He also explained Root Zone Technology developed by Pune city. For Solid waste management, TAPI-Model will be the best solution for economic boost up and clean village philosophy. He gave solution for all the amenities from grass root level to developed town level for village development. He shared various guidelines and norms for physical as well as social infrastructure facilities.



According to him, **Design Philosophy** must include 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 and Drainage to be treated with root zone technology and reuse the treated water. He has

also explained concept of Sustainability, Zero Discharge and Green building concept.

Dr. Indrajit Patel thanked Mr. Gaurang Desai on behalf of Gujarat Technological University and offered him Memento

Technical Session -III: Presentation by Students

In the third Session, Students from various colleges presented their work and strategies for future planning for Vishwakarma Yojana. This session was very much helpful in boosting up students confidence and appreciation for their efforts in project.

Dr. Dhaval Patel, DDO, Rajkot district as a technocrat delivered important message to all young engineers that resolution should start from minor level. While planning any infrastructure facilities, various components in designing the same should consider first. For example, for designing school, one should care its location, class room size, play ground and others. He also requested student to digitalized village base map for future need. For the Economy boost up, he suggested ideas to plan for Sahakari Mandlis, Mahlia Udyog, Animal Husbandry, milk production unit. Also he said that planning for future as well as present can fulfill all demand and sustainable planning can be seen by using natural resources. For example, solar lights, rain water harvesting system, other techniques like Solid Waste Management system with Zero Waste Technology.

Technical Session- IV: Brainstorming Session

Eventually Mrs. Jagruti Shah, Project Coordinator briefed about design phase to students, Nodal Officers, and Village Representatives. Also she initiated with panel discussion, for the same groups is been formed which includes Rajkot, Bhavnagar, Surendranagar, Bhuj and Amreli. Students of each group with their village representative and nodal officers discussed their issue with Mrs. Jagruti shah. She has been given various solutions to their issues and difficulties and also given guidelines for designing part. Panel discussion was very much helpful to students as well as village representatives to share their view and issues phasing by villages which can be resolved in designing part by students.

Eventually Dr. Indrajit Patel and Mrs. Jagruti Shah thanked all the TDO, DDO, Sarpanch, Talaties, Government representatives, Students, Nodal officers and Staff of GTU for making orientation program success for Vishwakarma Yojana.

Photos of orientation of Vishwakarma Yojana attached herewith:



(Lamp Lighting)



(Speech by Dr.Indrajit Patel)



(Technical Sesion By Mr.Vijay Patel, Director,
Jal Seva Sadan Training Institute, Gandhinagar)



(Technical session By Mr. Gaurang
Desai, Urban Planner, Surat)



(Speech by District Development Officer, Rajkot)

(Brain storming session with Jagruti Shah, Project Coordinator)



(Participant ,Government Official of Vishwakarma Yojana)

Note: The earlier meetings of the Vishwakarma Yojana have taken place on

1. **19th July 2012** (Report at <http://www.gtu.ac.in/circulars/13Jan/19thjuly.pdf>)
2. **19th August 2012** (Report at http://www.gtu.ac.in/circulars/12Aug/28082012/Report_20th%20August%202012.pdf)
3. **22nd Sept 2012** (Report at <http://www.gtu.ac.in/circulars/13Jan/22sep.pdf>)
4. **24th October 2012** (Report at http://www.gtu.ac.in/circulars/13Jan/24_oct.pdf)
5. **27th December 2013**(Report at <http://www.gtu.ac.in/circulars/13Jan/1012012.pdf>)
6. **14th February 2013** (Report at http://gtu.ac.in/circulars/13Feb/TheCelebration_Ver.pdf)
7. **23rd February 2013**(Report at <http://www.gtu.ac.in/circulars/13Mar/23-2-13-minutes%20of%20orientation%20programme%20of%20vishwakarma%20yojna.pdf>)
8. **15th march 2013** (Report at http://www.gtu.ac.in/circulars/13Mar/15_march_2013.pdf)
9. Important guidelines for preparing the Final DPR of Vishwakarma Yojana (<http://www.gtu.ac.in/circulars/13Apr/dpr%20report.pdf>)