



*Gujarat Technological University,
Ahmedabad, Gujarat.*

Orientation Program of Vishwakarma Yojna at BVM, V.V.Nagar, Anand



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

"Developing village with a 'rural soul' but with all urban amenities that a city may have"

It is proposed to frame "Vishwakarma Yojna" to provide the benefit of real work experience to engineering students and simultaneously apply their technical knowledge in the development of infrastructure in rural development. Under this scheme, the villages of "Rurban" area will be adopted by the engineering colleges under the Gujarat Technical University. The engineering colleges would study the identified villages and make the recommendations on the application of technology to achieve integrated and comprehensive development, through project preparation and management.

Aim of the project is to provide urban amenities in rural areas and maintaining the rural soul. This will help reduce migration from villages and prevent the cities from the burden of migration.

Gujarat Technological University organized a one day Orientation Programme of Vishwakarma Yojana: Phase-II held on 1st August, 2013 at 11:00 a.m. at the Seminar Hall of Birla Vishwakarma Mahavidhyalaya (A CVM Institution), VV Nagar, and Anand.

Function was chaired by Dr. Indrajit Patel- Hon'ble Director, Vishwakarma Yojana, Prof. L. B. Zala, Head of Civil engineering Department-BVM, Prof. B.G. Rajgor, Head of Applied Mechanics Department- B & B Polytechnic. 6 Faculty Members from BVM & BBIT, 70 Students attended the 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 Anand & Kheda District.



Mrs. Jagruti Shah welcomed all invitees on behalf of Gujarat Technological University and requested Dr. Indrajit Patel, Hon'ble Director to brief about Vishwakarma Yojana. He welcomed all the participants and Faculty members. He initiated his speech with concept of Vishwakarma Yojana: **“Suvidha Saher ki Atma Gaon Ki”**. He said that rural development has assumed global attention especially amongst the developing nations. It has great significance for a country like India where majority of the population, around 68% of the people live in rural areas. He also

compared the growth of villages in western countries and present scenario of India. He pointed out that, Gujarat is experiencing changing characteristic of villages with growing population and pointed out that people are migrating from rural areas to urban areas not only for employment opportunities but also for good standard of living and better facilities to reduce this pressure Vishwakarma Yojana is finest approach.



He said that present strategy of rural development in India should mainly focuses on provision of basic amenities and infrastructure facilities, better livelihood opportunities, poverty alleviation, through innovative programs for earning wages and self-employment. He addressed students that with consultation of Local revenue authorities, TDO and DDO the future need of the



village keeping to mind the need of days, future targeted population growth, growth of surrounding town or Taluka places etc. a projected development plan of the village ready to execute is required to be prepared under this project as targeted outcome at end. He informed all students that coordination of all the Government Agencies were with us in Phase-I and it will be with us in Phase-II. Indeed this project will help all the youth engineers to find the lacuna from existing development and use their technical knowhow for effective development stated by him. He also addressed students for different workshop and training Program will be planned to help students for all technical guidance by GTU.

He 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. He 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.

Mrs. Jagruti Shah thanked Dr. Indrajit Patel for such a inspirational words. She requested Prof. L. B. Zala, HOD of civil engineering Department- BVM to share his view on this occasion.

Prof. L. B. Zala welcomed all the participants and faculty members. He addressed students that Vishwakarma Yojana is



good opportunity for them to show their talent and knowledge. He added that already PG students of BVM Engineering college have worked in phase-I, they had great learning experience. He requested students to complete project within time period with all hard work, efforts and team work. He thanked Hon. V C ,GTU & Dr. Indrajit Patel for bringing such opportunity for students.

Prof. B.G. Rajgor, Head of Applied Mechanics Department pointed out successful approach of Government of Gujarat for development work so far. He said to students to give their approach for effectual development of village. He explained students that hurdles will come in the path but facing the problems and finding the solution can make this project huge success. He acknowledged efforts put by Dr. Indrajit Patel in Vishwakarma Yojana and initiatives of GTU in general.



Technical Session: Ms Jagruti took over for session and welcomed all the participants on behalf of GTU. 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.

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.

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

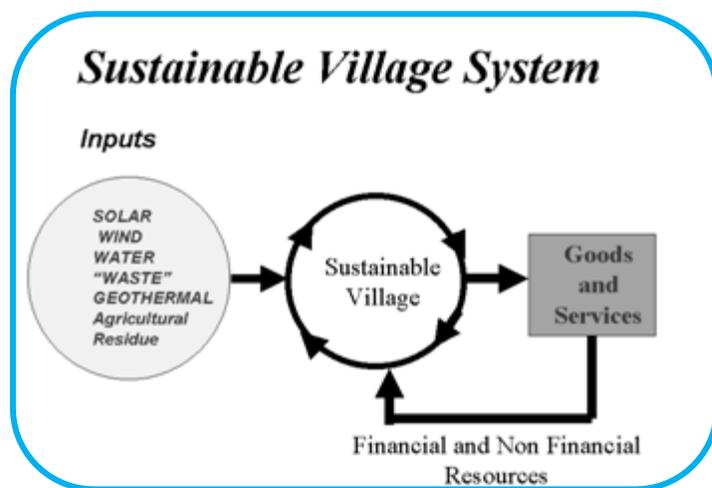
She gave guidance to all the participants for techno-economic survey work. She explicated Survey form for Phase-II and defined all the parameter of Survey which is uploaded on GTU website.

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 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. Amit Vankar, Nodal officer, BVM College thanked Gujarat Technological University for providing them such a prestigious opportunity which will helpful to students for getting real world experience. He thanked Dr. Indrajit Patel and Mrs. Jagruti Shah for their guidance to Students.

Mrs. Jagruti Shah thanked Dr. Akshai Agrawal, Hon'ble Vice Chancellor for all his guidance and motivation, Registrar-GTU, all students, Nodal Officer, Principal and staff of BVM College & BBIT College, 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

