



*Gujarat Technological University,  
Ahmedabad, Gujarat.*

### **Orientation Program of Vishwakarma Yojana at GP, Godhra**

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

"Rurbanisation" means soul of a village and the facilities/amenities of the urban, is a combined process of preserving the "soul of villages" by providing all the civic and infrastructure facilities available in big towns and cities to arrest migration and at the same time, bringing down the burden on big cities and towns bursting at their seams.



*Several decades ago Mahatma Gandhi had said that India lives in its villages, which still holds true. Even today almost 70 percent of Indian lives in rural areas. While urbanization is fast catching up, the living condition in rural areas is depressing. Poor infrastructure, sanitation and health facilities are driving major chunk of people to urban centers. Vishwakarma Yojana is one of the approaches towards Rurbanisation to solve issues of Urbanization. Under this scheme, the villages of "Rurban" area will be adopted by the engineering colleges under the Gujarat Technical University to get benefit of real world experience.*

Gujarat Technological University organized a one day Orientation Programme of Vishwakarma Yojana: Phase-II held on 3<sup>rd</sup> August, 2013 at 14:00 p.m. at the Auditorium Hall of Government Polytechnic College, Godhra under the guidance of Dr Indrajit Patel, Hon. Director of the Project.

Function was chaired by Prof. K.N. Solanki, Principal, GP-Godhra, Prof. S. M. Shah, GTU-Coordinator, GP-Godhra, Prof. P. M. Shah, Nodal Officer; GP- Godhra & Mrs. Jagruti Shah, Project Coordinator, Vishwakarma Yojana. Nodal Officers from GEC-Godhra, GEC-Dahod, GP-Dahod, GP-Chhotaudepur, Tuwa college of Engineering, Faculty Members of GP-Godhra and 115 Students from respective Institutes 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 Panchmahal, Dahod & Narmada District.

Mrs. Kinnari Shah, Nodal officer, GEC-Godhra welcomed all invitees and floral welcome to Mrs. Jagruti Shah & all Nodal officers from respective institutes. She briefed students for Vishwakarma Yojana. She requested Prof. K. N. Solanki, Principal, GP-Godhra to share his view on this occasion for Vishwakarma Yojana. He welcomed all the participants and Faculty members. He initiated his speech with concept of Earn while you Learn and donate at same time. Getting real world experience is very good opportunity for their future. This experience can be helpful to them while working in any industries. He also acknowledged the efforts put by the institute and nodal officer in Phase-I and wished for this Phase of Vishwakarma Yojana.

Prof. K. N. Solanki, Principal, GP-Godhra- sharing his view of Vishwakarma Yojana





Mrs. Kinnari Shah requested Prof. S. M. Shah to share his view for this project. He has been highly indebted to Gujarat Technological University, Ahemdabad for providing us such opportunity to work under Vishwakarma Yojna to get real work experience and at the same time students can apply technical knowledge in the development of Villages which is important for Country like India. He encouraged students to grab such kind of golden opportunity which was not avail in earlier period for their development.

Prof. S. M. Shah, GTU  
Coordinator, GP-  
Godhra- Sharing his  
view on this occasion



Prof. P. M. Shah, Nodal officer, GP-Godhra shared his view of Vishwakarma Yojana on this occasion. He explained their methodology of work to complete Phase- I successfully. He thanked Principal and all faculty members for their support in Project. He addressed students about the benefits of project and give confidence to them that they will try to develop one idol village model for respective districts.

Prof. P. M. Shah, Nodal  
Officer, GP-Godhra:  
Sharing Importance of  
Vishwakarma Yojana





He thanked Dr. Akshai Agrawal, Hon'ble VC, GTU for their continuous guidance and support to Project. He expressed his sincere thanks to Dr. Indrajit Patel, Hon'ble Director and Ms. Jagruti Shah, Project Coordinator of Vishwakarma Yojna for providing hem technical knowledge throughout the project work in Phase-I & accepting same in Phase-II.

**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.

Technical Session  
presented by Ms. Jagruti  
Shah, Project Coordinator.





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.



Participants & Nodal Officers at Orientation Program

Participants & Nodal Officers at Orientation Program





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 and Nodal officers 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.



**Students asked their queries & issues**





Mrs. Jagruti Shah thanked Dr. Akshai Agrawal, Hon'ble Vice Chancellor for all his guidance, support & motivation, Registrar-GTU, all students, Nodal Officers, Principal and staff of GP-Godhra, 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

Press note Published in Divya Bhaskar : Vadodara  
Edition Dated: 4<sup>th</sup> August, 2013

## ગોધરામાં વિશ્વકર્મા યોજના અંતર્ગત વર્કશોપ યોજાયો

ભાસ્કર ન્યૂઝ, ગોધરા

ગોધરાની સરકારી પોલીટેકનીકમાં વિશ્વકર્મા યોજના અંતર્ગત જીટીયુ દ્વારા વર્કશોપ યોજાયો હતો. જેમાં સરકારી પોલીટેકનીક દાહોદ, સરકારી ઈજનેરી કોલેજ દાહોદ, સરકારી પોલીટેકનીક છોટાઉદેપુર, સરકારી ઈજનેરી કોલેજ ગોધરા, ઈજનેરી કોલેજ ટુવા તથા સરકારી પોલીટેકનીક ગોધરાના નોડલ ઓફીસરો તથા સંલગ્ન વિદ્યાર્થીઓ સહિત મોટી સંખ્યામાં લોકો ઉપસ્થિત રહ્યા હતા.

ગુજરાત સરકાર દ્વારા ગામડાઓમાં શહેરની સુવિધા મળી રહે તે હેતુસર અર્બન વિલેજનો ખ્યાલ અમલમાં મૂકવામાં આવ્યો છે. જે અંતર્ગત કમિશ્નર ટેકનિકલ શિક્ષણ વિભાગ દ્વારા વિશ્વકર્મા યોજના અમલી બનાવવામાં આવી છે. જે યોજનાનું અમલીકરણ ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી દ્વારા થઈ રહ્યું છે. આ યોજના અંતર્ગત સહકારી પોલીટેકનીક તથા સરકારી ઈજનેરી કોલેજોના છેલ્લા વર્ષના સિવિલ અને ઇલેક્ટ્રીકલ બ્રાંચના

વિદ્યાર્થીઓ દ્વારા સરકાર દ્વારા નક્કી કરાયેલ અલ્પવિકસીત ગામડાઓમાં જઈ ત્યાંની સામાજિક, આર્થિક પરિસ્થિતિ તથા ઉપલબ્ધ માળખાકીય સુવિધાઓ જેવી કે, રોડ, ગટર, પાણી વગેરેની વ્યવસ્થાન ગહન સર્વે કરવામાં આવે છે.

સર્વે બાદ ગામડાઓ માટે જરૂરી સુવિધાઓનો વિકાસ કરવા તેના નકશા અંદાજો તૈયાર કરવામાં આવે છે. હયાત સુવિધાઓમાં સુધારા વધારા સુચવવામાં આવે છે. જેના ભાગરૂપે ગુજરાત વિસ્તારની એક ઓરીએટેશન વર્કશોપ સરકારી પોલીટેકનીક ગોધરાના ઓ.ડી.ટોરીયમ હોલમાં ગત તા.૩ ઓગસ્ટના રોજ યોજાઈ હતી. જેમાં સરકારી પોલીટેકનીક દાહોદ, સરકારી ઈજનેરી કોલેજ દાહોદ, સરકારી પોલીટેકનીક છોટાઉદેપુર, સરકારી ઈજનેરી કોલેજ ગોધરા, ઈજનેરી કોલેજ ટુવા તથા સરકારી પોલીટેકનીક ગોધરાના વિશ્વકર્મા યોજનાના નોડલ ઓફીસરો તથા સંલગ્ન વિદ્યાર્થીઓ ઉપસ્થિત રહ્યા હતા.

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