

A REPORT ON ORIENTATION PROGRAM OF
VISHWAKARMA YOJNA: PHASE-VII
AN APPROACH TOWARDS RURBANISATION

Date: 31st August, 2019

Venue: Auditorium, B0 Wing,
Gujarat Technological University



*Gujarat Technological University,
Ahmedabad, Gujarat*



Concept by Dr. Navin Sheth, Hon'ble Vice Chancellor, GTU:

“Developing a village with urban amenities while retaining and nurturing its soul”

Vishwakarma Yojana is one of the initiatives towards Rurbanization by Government of Gujarat, which was allotted as a pilot project to GTU. The students and Faculty Members meet all the stake-holders in a village, survey the existing facilities. Then they re-imagine and re-design the whole of the infrastructure of the village. The students use their engineering skills to prepare detailed project reports for the infra-structure as a part of their Final Year project work. Through the Yojana, the students of GTU are getting real work experience and are able to apply their technical knowledge and practices to a real problem. This entails hard work, many strenuous visits to the village and long discussions with the various stake-holders.

We have been expanding our reach from year-to-year and this relationship of GTU with the villages has proved to be an enriching experience for the GTU community.

ABOUT VISHWAKARMA YOJANA PROJECT

Gujarat Technological University is allotted important and prestigious project of Vishwakarma Yojana by the Government of Gujarat through Commissionerate of Technical Education from year 2012-13. The aim of the project is to provide urban amenities in rural areas but maintain the rural soul intact. The project provides “Design to Delivery” solution for development of villages in ‘Rurban’ areas.

The main objective of the project is to study the present status and to conduct techno-economic survey of all selected villages of the state. It ascertains the existing basic and public amenities, essential commodities & other infrastructural facilities. Subsequently a report is prepared on adequacy of the available resources considering the population of the village and the future need of the village with consultation of Local revenue authorities, TDO and DDO. A projected development plan a ready to execute document is prepared to define the targets. All this makes it a successful “Planned” Rurbanization.

“Vishwakarma Yojana” provides the benefit of real world experience to engineering students and simultaneously apply their technical knowledge in the development of infrastructure for rural development. Under this scheme, the villages of “Rurban” area will be adopted by various engineering colleges under Gujarat Technological University. They would study the identified villages and make recommendations to achieve



integrated and comprehensive development through technology application and project preparation & management.

The project is divided into three parts:

- ❖ Techno-economic survey of villages,
- ❖ Development document preparation (Plan and estimate of proposed development by finding Gap analysis)
- ❖ Detailed Project Report with development strategies and action plan.

Detail Project reports are included in the village developmental work that are undertaken as per the need of the village in particular;

- ❖ Physical infrastructure facilities (Water, Drainage, Road, Electricity, Solid waste Management, Storm Water Network, Telecommunication & Other),
- ❖ Social infrastructure facilities (Education, Health & Sanitation),
- ❖ Socio- Cultural (Community Hall, Library, Recreation Facilities & other)
- ❖ Sustainable infrastructures (Rain water harvesting, Biogas plant, Solar Street lights, Eco sanitation, Waste to Energy & Other)
- ❖ Repair & Maintenance of existing Public Buildings for overall development of villages.
- ❖ Smart Village Survey
- ❖ Ideal Village Survey
- ❖ Smart Village Design for the Village Development

Students of Gujarat Technological University are getting real work experience and simultaneously applying their technical knowledge in the development of infrastructure in rural development. Application of technical knowledge and practices with modern technology is a distributive and participatory process bringing about cascading changes in the lifestyles of its participants. The contribution and the hard work put by the GTU Students has made this project go on a smooth sail and indeed will be a huge success.

Gujarat Technological University has taken initiative to develop the students' skills and hence as a part of the same, Vishwakarma Yojana(VY) project has been introduced. This project is now in its Seventh Phase to understand Project and Scope of work of Students & nodal officers, GTU has planned to organize orientation program for students & Nodal officers with the support GTU VY section and participating institutes. Main objective of this program was to provide all the information of Vishwakarma Yojana, and other relevant details.



ARRIVAL OF DIGNITARIES - WORKSHOP INAUGURAL

Ms. Darshana Chauhan welcomed all the invitees on behalf of Gujarat Technological University. She welcomed all the students' participants and Nodal Officers. She described how the Hon'ble Vice chancellor **Prof. Dr. Navin Sheth**, Registrar **Dr.K.N.Kher** and Vishwakarma Yojana - Honorary Director **Dr. Jayesh Deshkar** are giving constant support and motivation to lead the project.



Dr.K.N.Kher, Registrar, Gujarat Technological University, welcomed all the dignitaries and students who are taking part in the Vishwakarma Yojana Project.

Prof. (Dr.) Navin Sheth, Hon'ble Vice Chancellor, GTU, has given Inspirational speech and explained students that they have opportunity for learning about villages as a Civil engineering students.



AWARD WINNER VILLAGE NODAL OFFICER EXPERIENCE SHARING

From Total 29 colleges total 143 villages report has been received, and from each villages best village report selected so, out of 29 villages final 9 Best Selected Report by Expert Nodal officer and then finally 3 Best Report selection has made up.

First Best Village Award Winner “ADALAJ”



Prof. Rena Shukla, Associate Professor, L.D. Engineering College, Ahmedbad, Vishwakarma Yojana PHASE-VI Nodal Officer expressed her views saying that “Students took so much efforts in preparing their report and done interaction with the village people.”

Second Best Village Award Winner “Para Pipaliya”



Prof. Devang, Assistant Professor, Atmiya Institute of Engineering, Rajkot Vishwakarma Yojana PHASE-VI Nodal Officer expressed about Vishwakarma Yojana helps various villages to be developed by young civil engineering students by developing their fundamental knowledge. Students design various elements for development of their respective allotted villages. Today I am here to receive this precious award due to excellent work done by our students. I want to thank



our college authority, respected principal sir, all my dear colleagues and most importantly my students Santosh Parmar and Raj Kalasawa, this wouldn't be possible unless their efforts and dedication towards this noble work. I am also very grateful to GTU and especially Darshana Mam for her continuous cooperation and help during the entire period of time.”

Third Best Village Award Winner “Balda”



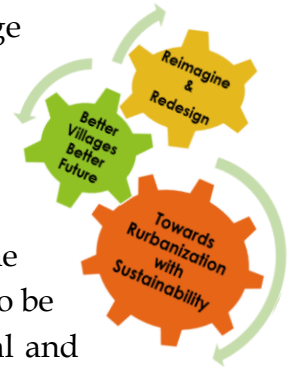
Prof. Jitendra Jadav, Assistant Professor, Government Engineering college, Valsad, Vishwakarma Yojana PHASE-VI Nodal Officer expressed his views about vishwakarma yojana project while taking the “Best Village Award”, that it is pride for him to receive this award, as his students worked hard for this project and thankful to GTU and his college principal for giving him opportunity for working as a Nodal Officer.

TECHNICAL SESSION OF THE WORKSHOP

Technical Session for the report writing and its format



Ms. Darshana Chauhan, GTU She has briefed about how this project as per the earlier phases in earlier phases been done what way students has given their inputs, where students faced some challenges and how the college wise Village allotment needs to be done, Details of project report formatting & Annexure - Attachments the village strategy of visiting the village Smart Village , Ideal Village & Allotted Village villages , Techno Economy Survey from needs to be filled and many other administration processes were given to the participants. She gave various guidelines to students & Nodal officers for the process to be done throughout the year. She briefed students for concept of Rural and Urban India by sharing broader view of Rural & Urban India.



She also explained overall concept of Vishwakarma Yojana. She also briefed for the work done in Phase-VI by Students of respective colleges. The main aim of the project is to provide villages 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 civil related designs to the students such as developmental work in villages that could be undertaken as per the need of the village, which in particular includes Physical infrastructure facilities (Water, Drainage, Road, Electricity, Solid waste Management, Storm Water Network, Telecommunication & Other), Social & Socio cultural infrastructure facilities (Education, Health, Community Hall, Library, Recreation Facilities & other) and renewable infrastructure facilities (Rain water harvesting, Biogas plant & Solar Street lights) for sustainable development.

She explained in detail over all action plan and methodology of work by Degree & Diploma students and gave solution for the same. She said rural development can be richer and more meaningful only through the participation of citizens of development. Just as implementation is the touchstone for planning, people's participation is the center-piece in rural development. People's participation is one of the foremost pre-requisites of development process both from procedural and philosophical perspectives. She explained roadmap of work to be done by students in each semester & PMMS time table deadlines needs to be followed for keeping for the students to complete their work on time. She also explained in detail the work separately, chapter wise. She gave guidance to all the participants for techno-economic survey work. She explicated Survey form and defined all the parameter of Survey.

She shared DPR format, domain related points & needs to be taken care. She covered all the amenities required to developed town level for village development. She shared



various guidelines and norms for physical as well as social infrastructure facilities. She also addressed students for different workshop and training Program which will be planned to help students for all technical guidance by GTU. At the end of the presentation, students and nodal officers asked 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 views.

NODAL OFFICER VISHWAKARMA YOJANA PROJECT EXPERIENCE SHARING



As Prof. Parth Danani, Assistant Professor from, Silver Oak College College of Engineering explained about the how vishwakarma yojana project helped to shape the students career.



As Prof. K.B. Rathod, Associate Professor from, Government Engineering College, Rajkot, shared his views to take initiation for developing the village with the real village visit.

WORKSHOP PROGRAM SCHEDULE

Sr	Date/Day/Time	Venue	Participants (Nodal Officers/ Students) from
1	31 st August, 2019 Saturday 10:30AM to 2:00PM	B0- Conference Hall Gujarat Technological University, Chandkheda Campus	A D PATEL INSTITUTE OF TECHNOLOGY ADITYA SILVER OAK INSTITUTE OF TECHNOLOGY AHMEDABAD INSTITUTE OF TECHNOLOGY APOLLO INSTITUTE OF ENGINEERING AND TECHNOLOGY ATMIYA INSTITUTE OF TECHNOLOGY & SCIENCE ATMIYA INSTITUTE OF TECHNOLOGY & SCIENCE FOR DIPLOMA STUDIES B.H.GARDI COLLEGE OF ENGINEERING AND TECHNOLOGY,RAJKOT C.K.PITHAWALA COLLEGE OF ENGINEERING & TECHNOLOGY DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY, RAJKOT DR SUBHASH TECHNICAL CAMPUS , JUNAGADH DR.S & S.S. GADHY GOVERNMENT ENGINEERING COLLEGE,SURAT GANDHINAGAR INSTITUTE OF TECHNOLOGY GMB POLYTECHNIC RAJULA GOVERNMENT ENGINEERING COLLEGE RAJKOT GOVERNMENT ENGINEERING COLLEGE, DAHOD GOVERNMENT POLYTECHNIC, DAHOD GOVERNMENT POLYTECHNIC, GODHRA GYANMANJARI INSTITUTE OF TECHNOLOGY



			<p>HANSABA COLLEGE OF ENGINEERING AND TECHNOLOGY HASMUKH GOSWAMI COLLEGE OF ENGINEERING (024) ITM UNIVERSE (ITMU), VADODARA K.D.POLYTECHNIC, PATAN KNOWLEDGE INSTITUTE OF TECHNOLOGY AND ENGINEERING KRISHNA INSTITUTE OF ENGINEERING AND TECHNOLOGY L D COLLEGE OF ENGINEERING, AHMEDABAD LUKHDHIRJI ENGINEERING COLLEGE (DIPLOMA), MORBI LUKHDIHRJI ENGINEERING COLLEGE NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY, JETALPUR NEOTECH INSTITUTE OF TECHNOLOGY NOBLE GROUP OF INSTITUTION OM ENGINEERING COLLEGE JUNAGADH PARUL POLYTECHNIC INSTITUTE S.N.PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTER UMRAXH, BARDOLI SAL COLLEGE OF ENGINEERING SHRI LABHUBHAI TRIVEDI INSTITUTE OF ENGINEERING & TECHNOLOGY RAJKOT SILVER OAK COLLEGE OF ENGINEERING AND TECHNOLOGY TAPI DIPLOMA ENGINEERING COLLEGE, SURAT VADODARA INSTITUTE OF ENGINEERING VISHWAKARMA GOVT.ENGG. COLLEGE VYAVASAYI VIDYA PRATISHTHAN ENGINEERING COLLEGE</p>
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Program Schedule

TIME	ACTIVITY
10:00 AM - 10:30 AM	Registration of the Participants
10.30 AM - 12.15 PM	Technical Session for the Vishwakarma Yojana Project By Ms.Darshana Chauhan
12.15 AM - 12.30 PM	Question & Answers & Other Required Guidelines By Dr.Jayesh Deshkar - Honorary Director, Prof. Ketan Timani, Prof.Yashwant Bhavsar
12:30 PM	Arrival Of Dignitaries
12.30 PM – 12.35 AM	Welcome Speech - Dr.K.N.Kher , Registrar, GTU
12.35 PM - 12.40 PM	Inspirational speech By Prof.(Dr.) Navin Sheth, Hon'ble Vice Chancellor, GTU
12.40 PM - 12.50 PM	Award Winner village Nodal Officer Experience Sharing
12.50 PM - 12.55 PM	Award Winner village Students Experience Sharing
12.55 PM - 01.05 PM	Trophy and Certificate distribution to the Award Winner village Students and Nodal Officer
01.05 AM - 01:10 AM	GTU Song



01.10 PM – 02.00 PM	LUNCH
At 2.00PM to 2.30 PM Meeting will be schedule for Nodal Officers at B0-Conference Hall.	

Program Venue : B-0, Gujarat Technological University Campus, Chandkheda, Ahmedabad

COLLEGE PARTICIPATION IN WORKSHOP

Sr.No	Institute Name	District Name	Total No of Participant
1	A D PATEL INSTITUTE OF TECHNOLOGY	ANAND	6
2	AHMEDABAD INSTITUTE OF TECHNOLOGY	DASKROI	7
3	APOLLO INSTITUTE OF ENGINEERING AND TECHNOLOGY (121)	GANDHINAGAR	4
4	APOLLO INSTITUTE OF ENGINEERING (128)	GANDHINAGAR	8
5	ATMIYA INSTITUTE OF TECHNOLOGY & SCIENCE	RAJKOT	6
6	ATMIYA INSTITUTE OF TECHNOLOGY & SCIENCE FOR DIPLOMA STUDIES	RAJKOT	10
7	B.H.GARDI COLLEGE OF ENGINEERING AND TECHNOLOGY,RAJKOT	RAJKOT	6
8	C.K.PITHAWALA COLLEGE OF ENGINEERING & TECHNOLOGY	SURAT	14
9	DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY, RAJKOT	RAJKOT	4
10	DR SUBHASH TECHNICAL CAMPUS , JUNAGADH	JUNAGADH	12
11	GANDHINAGAR INSTITUTE OF TECHNOLOGY	GANDHINAGAR	3
12	GMB POLYTECHNIC RAJULA	AMRELI	6
13	GOVERNMENT POLYTECHNIC, GODHRA	PANCHMAHAL	10
14	GOVERNMENT ENGINEERING COLLEGE RAJKOT	RAJKOT	4
15	HANSABA COLLEGE OF ENGINEERING AND TECHNOLOGY	MEHSANA	6
16	ITM UNIVERSE (ITMU), VADODARA	VADODARA	6
17	KNOWLEDGE INSTITUTE OF TECHNOLOGY AND ENGINEERING	KHEDA	8
18	LUKHDIHRJI ENGINEERING COLLEGE	MORBI	4
19	NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY, JETALPUR	AHMEDABAD	6
20	NEOTECH INSTITUTE OF TECHNOLOGY	VADODARA	4
21	OM ENGINEERING COLLEGE JUNAGADH	JUNAGADH	6
22	PARUL POLYTECHNIC INSTITUTE	VADODARA	6
23	S.N.PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE,UMRAKH,BARDOLI.	SURAT	4
24	SAL COLLEGE OF ENGINEERING	AHMEDABAD	6
25	SHRI LABHUBHAI TRIVEDI INSTITUTE OF ENGINEERING & TECHNOLOGY RAJKOT	RAJKOT	12
26	SILVER OAK COLLEGE OF ENGINEERING AND TECHNOLOGY	GANDHINAGAR	6
27	TAPI DIPLOMA ENGINEERING COLLEGE, SURAT	SURAT	8
28	VISHWAKARMA GOVT.ENGG. COLLEGE	AHMEDABAD	6
29	VYAVASAYI VIDYA PRATISHTHAN ENGINEERING COLLEGE	JAMNAGAR	12
30	L D COLLEGE OF ENGINEERING, AHMEDABAD	AHMEDABAD	8
31	NOBLE GROUP OF INSTITUTION (692)	JUNAGADH	2
32	NOBLE ARCHITECTURE COLLEGE (360)	JUNAGADH	2
33	HASMUKH GOSWAMI COLLEGE OF ENGINEERING	GANDHINAGAR	12
34	DR.S & S.S. GADHY GOVERNMENT ENGINEERING COLLEGE,SURAT	SURAT	2

Prof. (Dr.) Jayesh Deshkar
Ms. Darshana Chauhan





Gujarat Technological University

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