

# **A REPORT ON ORIENTATION PROGRAM OF AN APPROACH TOWARDS RURBANISATION**



## **VISHWAKARMA YOJNA: PHASE-IX & AWARD FOR BEST PROJECT VILLAGE DEVELOPMENT & BEST VILLAGE DOCUMENTARY FILM FOR PHASE-VIII**

**Date: 9<sup>th</sup> February, 2022**

**Venue: Online through Cisco Webex**



Gujarat Technological University,  
Ahmedabad, Gujarat



Concept by:

**Prof(Dr.) Navin Sheth, Hon'ble Vice Chancellor,  
GTU**

***“Developing a village with urban  
amenities while retaining***

### **“Vishwakarma Yojana”**

It is one of the prestigious project, initiatives toward Rurbanization by the Government of Gujarat, which had been allotted as a pilot project to GTU. The students along with the faculty Members meet all the stakeholders in a village in order to survey the existing facilities. Then they re-imagine and re-design the whole infrastructure of the village. The students use their engineering skills to prepare detailed project reports for the infrastructure as a part of their Final Year project work. Through this Yojana, the students of GTU are getting real-time exposure 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 stakeholders.

We are 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 an 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 a “Design to Delivery” solution for the development of villages in ‘Rurban’ areas.

The main objective of the project is to study the present status and to conduct a 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 the adequacy of the available resources considering the population of the village and the future need of the village with the consultation of Local revenue authorities, TDO, and DDO. A projected development plan which is 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 under taken 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 (Rainwater harvesting, Biogas plant, Solar Street lights, Eco sanitation, Waste to Energy & Others)
- ❖ Repair, Maintenance of existing Public Buildings for the overall development of villages.
- ❖ Ideal Village Survey, Smart Village Survey, Allocated Village Survey
- ❖ Allocated Village Design for the Village Development

Students of “Gujarat Technological University” have been benefitted from real work experience along with continuously applying their technical knowledge in the development of infrastructure in rural development. The 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 in by the GTU Students have 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, the Vishwakarma Yojana (VY) project has been introduced. This project is now in its Seventh Phase to understand and Project and Scope of work of Students & nodal officers, GTU has planned to organize an orientation program for students & Nodal officers with the support of the GTU VY section and participating institutes. The main objective behind this program was to provide all the information on Vishwakarma Yojana and other relevant details. Vishwakarma Yojana project from Phase-I, II, III, IV, V, VI, VII, VIII had been successfully completed with the support of all the Colleges/Institutes Principals, Nodal Officers and students.

**ONLINE WEBINAR LINK**

In the current scenario of the Covid-19 pandemic situation, it has been decided to organize the “orientation” program online through Webex Cisco.

**Delivery: Through online Webex Link -**

<https://gtu.webex.com/gtu/j.php?MTID=me492574bf7346bef666614b8b5d5288a>



### ARRIVAL OF THE DIGNITARIES FOR INAUGURAL FUNCTION

In SESSION-1, Ms. **Darshana Chauhan** had welcome all the Dignitaries, from all the Zone GTU affiliated colleges /Institute Principals, Nodal Officers, and Students on behalf of “**Gujarat Technological University**”. As per the protocol of the GTU webinar started with the GTU song.

She also welcomed all the dignitaries **Prof.(Dr.) Navin Sheth**, Hono’ble Vice-chancellor, GTU, **Dr.K.N.Kher**, Respected Registrar, GTU, **Dr.K.Baba Pai**, Director, Institute Of Technology And Management Universe, all the GTU affiliated Colleges Principals, Various Institute/Colleges/Universities faculty members, Vishwakarma Yojana Project Nodal Officers and Students. She has introduced VY-Core committee member, **Prof.K.L.Timani**, Associate Professor, VGEC-Chandkheda, **Prof.(Dr.) Jigar Sevalia**, Professor, SCET, Surat, **Prof.Rena Shukla**, Associate Professor, LD

Engineering College, Ahmedabad, **Prof.Y.B.Bhavsar**, Associate Professor-VGEC, **Prof.Jagruti Shah**, Assistant Professor, BVM Engineering College, V.V.Nagar, who always give their guidance and support to develop the project. **Prof. Mridul Seth**-Assistant Professor, GTU, as well as VY-Supervisor. GTU-VY-Section is thankful to all for their kind support.

She expressed her gratitude that the GTU-VY section is fortunate to have **Prof.(Dr.)Jayesh Deshkar**-Honorary Director of Vishwakarma Yojana, Principal, V.V.P engineering College, that project is getting explored under his leadership. **Prof.(Dr.)Jayesh Deshkar** sir, to give an introduction/insight about the program.

**Prof.(Dr.)Jayesh Deshkar** greeted all the dignitaries for the todays online orientation program. Sir has also has given the detail about vishwakarma yojana project.

She has given briefs about **Dr.K.N.Kher**, Respected Registrar, GTU, who always give freedom and support for enhancing the Vishwakarma Yojana project for supporting the student’s best project village development, She has invited him for giving a welcome speech.



**Dr.K.N.Kher**, Registrar, GTU, welcomes all the dignitaries, Nodal Officer, and students who are taking part in the Vishwakarma Yojana Project PHASE-IX. Respected Sir had given the details about the starting of the project of VY-PHASE-I in the year 2012-13. Sir had explained about the vishwakarma yojana project to enhance Rural areas for village development. He also motivated students about this project by giving the students stipends amount as a form of scholarship. Also, this project gives encouragement in the way of giving the award of the Best project of village development. This project gives the various activity awareness of village, surveying for submitting the report, Theoretical knowledge in a practical way about the villages, Drafting the Detail project report(manual), and how to develop the infrastructure the rural area. Sir also said that students are learning “How to introduce the various scheme in the rural area”.



Since the last three phases of vishwakarma yojana project, it has been decided to give awards for the best village report development out of the total report received from the various colleges. & this year onwards award for best village documentary film also, Prof. Parth Sinroza, L.J. Institute of Engineering and Technology and member of the expert committee for report evaluation, has given his thanks for giving him an opportunity to be an external jury member in finalizing the best village project for VY Phase VIII. He also expressed that felicitation has helped in increasing the sincerity of the students as well as the Nodal Officers towards the project work. He added that in Phase VIII, a total of 86 villages were adjudged as the best villages of different colleges by their respective Nodal Officers. It was very hard to find the best project and best work because all these projects were thoroughly prepared and were of good quality. At last, after the turmoil, we finalized the top 9 village reports out of these 86 reports. And the top 3 forms were finally selected by the VY section. I am associated with VY since Phase IV and can see the improvement in the content and quality of work in these years. Thanks to the VY section and Darshana ma'am for taking utmost care regarding this. Also this year a new award for the best village documentary film is also been introduced by GTU which will again improve the quality of work. Total 3 best films from degree engineering college and 3 best from diploma Engg College will be felicitated under this category. So finally, I would like to thank all the students and Nodal Officers for providing quality content and hope that it keeps on improving. Briefed about the award-giving process of the PHASE-VIII village report.



**Dr.K.Baba Pai**, Director, Institute Of Technology And Management Universe, expressed the need for such a project with the following message. The Vishwakarma Yojana has become very advantageous to the students of civil and electrical students, especially for the final year students



who are going to join the industries and become consultants. They get the following advantages and opportunities.

1. To interact with the village sarpanch and other government officials.
2. Understand the basic need and requirements for the village development like road, drainage, water supply, sanitation, and many more.
3. How to design and make provisions to implement the above needs.
4. Finally they will also understand and get practice to write reports and formatting.

He also expressed his gladness about the ITM role how students have participated in his college since the inception of PHASE-IV.



**Prof. (Dr.)Navin Sheth**, Hon'ble Vice Chancellor, has welcomed all the GTU affiliated colleges Principals, Nodal Officers, and students for taking participation in the village development. Hon'ble Sir has briefed about, how the colleges can support for the village development.



### AWARD FOR THE BEST VISHWAKARMA YOJANA PROJECT PHASE-VIII





**Dr.K.N.Kher**, Registrar, GTU, has announced the top 3 Best Project village Development names for degree and diploma colleges. As it is the best selection of the village report work done by the students. It has been given the rank of 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> that this project report will be the future reference village development report which will be referred by future students and nodal officers.



Ranked	College Name	Glimpses	Students Name	Nodal Officer
<b>DEGREE COLLEGES</b>				
1	APOLLO INSTITUTE OF ENGINEERING & TECHNOLOGY(DEGREE) <b>RANASAN VILLAGE</b>		KEVAL G. PRAJAPATI ARTH D. PATEL CHAUDHARI DIPAK A	PROF. PURVESH A. RAVAL PROF. MOHD.JAVED KHAN
2	MERCHANT ENGINEERING COLLEGE(DEGREE) <b>PILUDARA VILLAGE</b>		CHAUDHARY PRIYABEN RAGAJIBHAI RATHOD BHARGAVKUMAR BABUBHAI RATHOD OMPRAKASH MAHENDRABHAI	PROF. AKASH MODI PROF.VIPUL J.PATEL



## Vishwakarma Yojana Phase-IX orientation program

3	ADANI INSTITUTE OF INFRASTRUCTURE ENGINEERING(DEGREE)  <b>NARDIPUR VILLAGE</b>		MR.AJAYSINH BHAGAVANSINH BHATI  ANUJ R. SHYARA DAVE PARV DINESHBHAI	PROF. UZAIR SHAIKH DR.SUBHANARAYAN SAHOO
1	TAPI DIPLOMA ENGINEERING COLLEGE(DIPLOMA)  <b>MANVAD VILLAGE</b>		SHIHOVA SATYAM GHANSHYAMBHAI  KEVADIYA PRINCE SANJAYBHAI	PROF.NIRANT J. PATEL
2	ATMIYA INSTITUTE OF TECHNOLOGY & SCIENCE FOR DIPLOMA STUDIES(DIPLOMA)  <b>VAJDI VILLAGE</b>		AAYUSHI JITENDRAGIRI GOSAI	PROF. KHEMENDRA R. DATTANI
3	GOVERNMENT POLYTECHNIC, GODHRA(DIPLOMA)  <b>DAYAL VILLAGE</b>		KALVANI SACHIN PRADEEPKUMAR  PARMAR BHUMIRAJISINH HITENDRASINH  RATHOD MAYUR SURESHBHAI	PROF.DHIREN JAGJIVANDAS PANCHAL PROF.ASHISH KIRITKUMAR SHAH





### AWARD FOR THE BEST 3 VILLAGE DOCUMENTARY FILMS PHASE-VIII

**Dr.K.Baba Pai**, Director, Institute Of Technology And Management Universe, has announced the top 3 best village documentary films



for degree and diploma colleges. Out of the total 55-degree colleges Top 3 from degree engineering colleges and out of 5 diploma colleges, only one village was selected from the diploma colleges.



Ranked	College Name	Glipses	Students Name	Nodal Officer
<b>DEGREE COLLEGES</b>				
1	MERCHANT ENGINEERING COLLEGE  PILUDARA VILLAGE		CHAUDHARY PRIYABEN RAGAJIBHAI  RATHOD BHARGAVKUMAR  BABUBHAI RATHOD OMPRAKASH MAHENDRABHAI	PROF.MODI AKASHKUMAR VIKRAMBHAI PROF.VIPUL J.PATEL
2	INSTITUTE OF TECHNOLOGY AND MANAGEMENT UNIVERSE TECHNICAL CAMPUS  KAMROL VILLAGE		SHAH KEYURKUMAR ATULKUMAR  JOSHI PARITOSH MUKESH KUMAR	PROF.VANKAR JITENDRAKUMAR PRAVINBHAI (NODAL OFFICER)
3	NEOTECH INSTITUTE OF TECHNOLOGY  BAUTHA VILLAGE		DHRUVIK JITENDRABHAI  CHAVDA PARTH VINODBHAI PRAJAPATI	PROF.PIYUSH PRAJAPATI (NODAL OFFICER)
<b>DIPLOMA COLLEGES</b>				
1	GOVERNMENT POLYTECHNIC, GODHRA  CHANCHOPA VILLAGE		GOSAI KARTIK NIKUNJGIRI  JOSHI URVISHKUMAR RAMESHCHANDRA	PROF.DHIREN JAGJIVANDAS PANCHAL (NODAL OFFICER)

Further Prof. (Dr.)Navin Sheth, Hon'ble Vice Chancellor, GTU had congratulated to all Colleges Principal who has always motivated their students and participated in the Vishwakarma Yojana Project as well as Nodal officer who has put up their tireless efforts for the students development. Hon'ble Vice Chancellor sir had parted his cherished Best Wishes to the students for achieving the "Award for their best project village development work". Hon'ble vice chancellor sir is feeling pride for the student's contribution towards best project village development work.



## STUDENTS SHARED EXPERIENCES

Winner students shared their experiences and gave glimpses of the project work they had done, as students did interaction with the “Sarpanch”, they have shared information on how they had developed their Interpersonal skills and drafting of Detail Project Report.

**Apollo Institute Of Engineering & Technology (Degree)** on 9<sup>th</sup> February, 2022 and 19<sup>th</sup> march 2022, and students Keval G. Prajapati, Arth D. Patel And Chaudhari Dipak A expressed They secured 1st rank in project report work, they said that they are thankful to their nodal officers, principal sir, supported them in project work and kept them motivated throughout project work. He also shared that this project will increase their image wherever they go whether it is a job interview or master’s studies. He felt glad that he has chosen this project over other projects and internships because over there he could not get knowledge about every aspect of civil engineering but in this project after choosing the designs wisely he could get every detailed knowledge about all aspects in civil engineering. He lastly said “without higher aim, you can’t get higher results”

**Merchant Engineering College (Degree)** on 9<sup>th</sup> February, 2022

Student of **Ms. Priyaben** also expressed her feelings to her college, GTU, and professors, who has given her an opportunity for working under the Vishwakamra Yojana project. She also said

“જ્યારે પહેલી વાર અમને આ યોજના વિશે અમારા ડિપાર્ટમેન્ટનાં પ્રોફેસર આકાશ મોદી સર પાસેથી માહિતી મળી ત્યારે અમને લાગ્યું કે આ પ્રોજેક્ટ કેવી રીતે પૂરો થશે, પણ જેમ જેમ અમે આ પ્રોજેક્ટની બધી પ્રક્રિયા પૂર્ણ કરતા રહ્યા તેમ તેમ અમને આ પ્રોજેક્ટમાં ઘણી મજા આવી અને ઘણું બધું શીખવા મળ્યું .સરકારી કામકાજનો અનુભવ મળ્યો જેમાં પિલુદરા ગ્રામપંચાયતના સરપંચની પણ ઘણી મદદ મળી .અમે એવું વિચારીએ છીએ કે આ પ્રોજેક્ટ બધા વિદ્યાર્થીઓએ રસ લઈને એક્સપ્ટ કરવો જોઈએ.” , other student Rathod Bhargavkumar Babubhai, said “ જ્યારે અમે વિશ્વકર્મા યોજના ફેઝ 8માં પિલુદરા ગામને પસંદ કર્યું ત્યારે ત્યાંના સરપંચ શ્રીમતી જડીબેન પટેલ, ઉપસરપંચશ્રી ભરતભાઈ પટેલ અને તલાટી કમ મંત્રી શ્રીમતિ જિજ્ઞાશાબેનનો ઘણો સપોર્ટ મળ્યો .અમે પ્રાથમિક શાળા, ગામનો મુખ્ય દરવાજો, ગામનો માસ્ટર પ્લાન જેવી ડિઝાઈન કરી જે ગામનો ઘણી ઉપયોગી થશે .આ પ્રોજેક્ટનાં લીધે અમને Construction Site પર પણ ઘણો લાભ થયો. હું એવું વિચારું છું કે આ પ્રોજેક્ટ બધા વિદ્યાર્થીઓએ શક્ય હોય તો ભાગ લેવો જ જોઈએ અને છેલ્લે હું GTU અને દર્શના મેડમનો ખૂબ જ આભાર માનું છું.”



**Adani Institute of Infrastructure Engineering Degree**, on 9<sup>th</sup> February, 2022, students of Mr.Ajaysinh Bhagavansinh Bhati thanked to his nodal officer for giving and GTU-VY-Section for giving them support for finding the many things and implementing in the project.

**Tapi Diploma Engineering College (Diploma)**, on 9<sup>th</sup> February, 2022 students of Shihora Satyam Ghanshyambhai, Kevadiya Prince Sanjaybhai expressed his views that they leaned filed



work and they thanked to GTU for giving them an opportunity for working in the VY project.

**Government Polytechnic, Godhra(Diploma)**, on 19<sup>th</sup> March 2022 students of Kalvani Sachin Pradeepkumar, Parmar Bhumirajsinh Hitendrasinh, He said that he is thankful to the GTU-VY section for providing him an opportunity to participate in the Phase-VIII. He also thanked to the committee member for selecting his village documentary film and village report for giving him the award. He also thanked to Ms. Darshana-GTU-VY section for providing him guidance as and when required and Nodal officers, HOD and principal sir for encouraging and providing him support, and lastly he thanked almighty god and his parents for support.

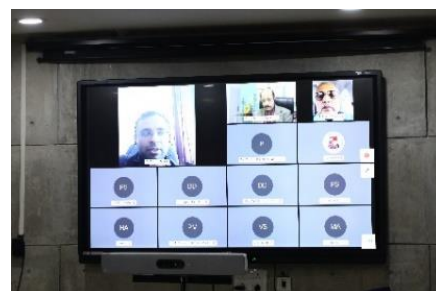


### NODAL OFFICER SHARED EXPERIENCE

**Apollo Institute Of Engineering & Technology (Degree)**, on 19<sup>th</sup> March 2022, Prof. Purvesh A. Raval, Prof. Mohd. Javed Khan, they thanked all the dignitaries, students identified the problems and innovative ideas, they enhanced their skills for writing the report and various software learned, team of



**Merchant Engineering College (Degree)**, on 9<sup>th</sup> February, 2022 Prof. Akash Modi and on 19<sup>th</sup> March, 2022, Prof. Vipul J. Patel, Nodal officer from Merchant college nodal officer greeted Honorable Vice Chancellor Sir, Respected Registrar Sir, Professors of GTU and Students. He has received this award for Best Project Documentary Film & Best Project village report for Piludara village. He thanked his college authority, Principal Dr. G. R. Kulkarni sir, Former Principal Dr. K. G. Mehta sir, Civil Dept. Head Prof. Amrutbhai M. Patel sir and Electrical Dept. Head Prof. Vaishaliben J. Patel mem, Mr. Vijay R. Prajapati, Mr. Mukesh K. Patel & all his Colleagues. He told that Engineering is an art of science which would be applied for sake & convenience of Humanity. Civil Engg. Dept. of Merchant Education campus has done ample work for surrounding areas listed as below: 1. Upgradation of Existing Water Supply Scheme of Visnagar City. After that these major achievement of this project. Vishwakarma Yojana boosts our spirit & we have taken up project for Piludara village.



**Adani Institute Of Infrastructure Engineering (Degree)**, on 19<sup>th</sup> March 2022, Prof. Uzair Shaikh, he expressed his gratitude to Honorable GTU VC Sir, Respected GTU Registrar, VY-Honorary



Director Prof Dr. Jayesh Deshkar Sir and GTU affiliated Principle, Nodal officers and all the students. He expressed that his sincere gratitude to VY committee and GTU who tirelessly worked for making the project success since past 8 years and continues support of Ms.Darshana Chauhan ma'am for her constant support.

**Tapi Diploma Engineering College (Diploma), Prof.Nirant J. Patel,** on 19<sup>th</sup> March 2022, First of all he thanked his principal Dr. Y.S.Choupare sir to give him an opportunity to work as Nodel officer. It is huge owner for him to receive the award as Nodel officer of Tapi diploma engineering college. He thanked Prof.(Dr.) Navin Sheth sir for giving an opportunity to students likewise project. Through this project it improves their practical



knowledge which is beneficial for development of villages. He also thanked Dr. Jayesh deshkar sir & Dr. K.N.Kher sir. He thanked Ms. Darshna chauhah mam for her constant support, whenever he was having any problem, gave him instant solution & also helpful in report completion. Also he thanked student for their efforts & hard work as such type of project is not in the position to complete in the pandemic situation. He gave special thanks to all Sarpanch & Talati for giving the support to the students in data collection & survey work & after that we have completed project as a reality.

**ITM SIS Baroda University, Jitendra Vankar, Nodal Officer,** on 19<sup>th</sup> March 2022, He thanked all the dignitaries for providing him an opportunity to giving him this platform to perform his ability. He has expressed his great fullness to his civil engineering department and all the persons who had helped and advised him for preparation of the documentary video. At last, he felt proud to say that ITM Universe has a journey with VY Yojana since



phase IV (2016) and during this project he had covered more than 15 villages with more than 30 students and also achieved many milestones like the selection of Kotambi Village as a reference report for phase IV. Project model display at the college level for villages like Asoj, Paldi, and many more.

**Atmiya Institute of Technology & Science For Diploma Studies (Diploma),** on 19<sup>th</sup> April 2022, Prof. Khemendra R. Dattani, shared his experience that the Vishwakarma yojana project is the best project for the students, where students can visit the ideal, model village and get an idea about the different development about the village. He also expressed his gratitude for the support received from various stack holders. He shared that students enjoyed work how to make designs, after the completion of the project they feel proud about the



project and students took very much hard work, punctuality and initiative and their parents also supported them.

**Government Polytechnic, Godhra (Diploma)** on 19<sup>th</sup> March, 2022, Prof.Dhiren Jagjivandas Panchal, He congratulated his colleague, students participating and received the award. He shared one important point that his institute is participating in Vishwakarma Yojana program since its inception in 2012, and his thankful to GTU-VY section, especially Darshana madam for providing us guidance about the project as and when required. He said, "In this project students frequently visited the allocated village, Interacted with Sarpanch and village people, Also visited ideal village. They tried to provide design & estimates to facilitate the existing situations. They really worked very hard. During the project, he received constant guidance & encouragement from HODs of Civil & Electrical departments, his Principal, and other faculty members of his institute.



Winner Colleges Nodal Officer Shared Their Experience, quoting that they are feeling with the overwhelming zeal by achieving this award and they are thanking to the "Gujarat Technological University", for giving them an opportunity to work in this project and their students and all the participated students learnt the many aspect in this project.

**CERTIFICATE GIVEN TO ALL THE PARTICIPATED STUDENTS / NODAL OFFICER / AWARD WINNER STUDENTS**



**TECHNICAL SESSION OF THE ORIENTATION VISHWAKARMA YOJANA PHASE-VIII**

In the SESSION-II, Ms. Darshana Chauhan, GTU, has briefed about following aspects,

- 1. Policies , Processes**

How to form the students group, criteria of the village selection, preparation of the DPR format, Hardbound Expenses, Award giving process

- 2. DPR Format for the PART-I**

DPR file having various chapters, and outcome of each chapters were explained to the students, Details project formatting, Technical Domain points

- 3. All the Annexure**

Explanation about the difference between Ideal, Smart and Allocated Village. Strategy behind visits of the village of Ideal Village, Smart Village & Allotted Village has been explained to the students and nodal officers. Students were also explained al the attachment e.g Techno Economy Survey Of Ideal Village, Smart Village, Allocated Village, Gap Analysis, Summary of the Photograph of the entire village, Sarpanch Letter, Summary of the Designs, Sarpanch Interaction report etc.

She explained how students should undertake development of the designs 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** needs to develop by the students 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 explained in detail over all action plan and methodology of work to do by Degree & Diploma students. 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. With the Best wishes she has completed the Technical Information session.

**Motivational Speech to the Students by Prof. Akash Modi, Merchant Engineering College has said,** He explained various Design Proposals for Piludara village such as Primary School, Village Main Gate, Village Master Plan, etc. He also felt grateful to GTU and especially Darshana madam for her continuous support & help during the entire period of time. “હથેલી પર રખકર નસીબ તૂ ક્યો અપના મુકદ્દર ફેરવતા હૈ. શીખ ઉસ સમંદર સે જો ટકરાને કે વિએ પથ્થર ફેરવતા હૈ.” વક્ષ્ય મોટા હોવા જોઈએ, તે તમને ડરાવશે કાં પછી ઉત્સાહથી ભરી દેશે કે તમે તેને પ્રાપ્ત કરી વેશો. જ્યારે તમને પ્રશ્નપત્ર મળે છે તો તમે તેને જૂઓ છો પછી નક્કી કરો છો કે શું તમને આવડે છે, શું નથી આવડતું! જો તમે વર્ષ દરમિયાન અભ્યાસ કર્યો હશે તો તમને લગભગ તમામ ઉત્તર આવડતા હશે. હું એ વાતમાં વિશ્વાસ રાખું છું કે પ્રોસેસ વધારે મહત્વપૂર્ણ હોય છે. પ્રોસેસના કારણે તમને રિઝલ્ટ મળે છે. પ્રોસેસમાં હંમેશા નજીકના વક્ષ્યને પ્રાપ્ત કરવા પ્રયાસ કરો. પછી વાત રમતની હોય કે અભ્યાસની. ટ્રાઈકોણને વાસ્તવિકતામાં રૂપાંતરિત કરવાની ક્ષમતા જ લીડરશિપ છે. “સખત મહેનત એ જ અસલી મોટીવેશન. શ્રેષ્ઠ આપો, પરિવર્તન માટે તૈયાર રહો.” જ્યારે આપણે કંઈક સારું કરીએ છીએ તો લોકો તેને અપનાવવા લાગે છે. વારસાને તાજની જેમ પહેરી વેશો તો તમારો માર્ગ નહીં બતાવી શકો. હંમેશા હસતા રહો કેમ કે કોઈને ફેર નથી પડતો કે તમે કેવું અનુભવી રહ્યાં છો. નિષ્ફળતાનો ત્યાં સુધી સામનો કરો, જ્યાં સુધી નિષ્ફળતા તમારો સામનો કરવામાં નિષ્ફળ ન થઈ જાય. તમારા માટે સફળતા હંમેશા એ જ છે કે હું મારાં કામથી કેટલો ખુશ

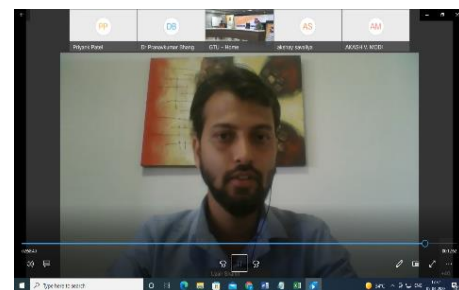


છું, કેટલો સંતુષ્ટ છું. જેટલું તમે આપો છો, તેટલા જ મોટિવેટેડ રહો છો, મહેનત જ અસલ મોટિવેશન છે. દરેક વખતે બેહતર કરવું અને તેના માટે ખુદને બદલવા તૈયાર રહેવું મોટિવેશન વિના સંભવ જ નથી. આમ તો અસલ ખેલ સફળ થયા બાદ શરૂ થાય છે. તમે જીવનમાં ગમે તેટલા સફળ થઈ જાઓ, ખુદને સામાન્ય વ્યક્તિ જ માનતા રહેજો, ક્યારેય ન વિચારશો કે તે કેટલો કમાય છે અને ક્યા લેવલ પર છે.

**Motivational Speech to the Nodal Officer By Prof. Pranav kumar Gujarat Power Engineering And Research Institute,** He emphasized on need of developing all necessary modern infrastructural facilities in Villages to reduce the migration rate of village people to urban areas. He motivated the nodal officers to inspire the students to avail maximum benefit of expertise and other resources available through Vishwakarma Yojana. He insisted and requested all the participants to get them involved holistically with the village people and culture to understand the gaps and deficiencies in infrastructural development through the conduction of Vishwakarma Project for a village.



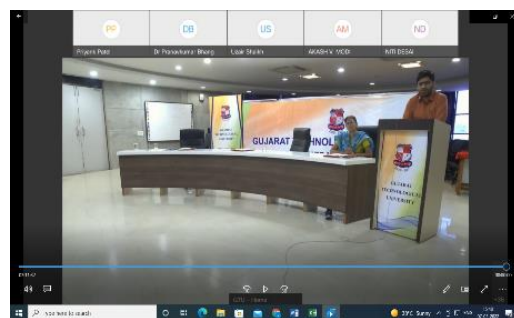
**Technical Insight to the Civil-Students By Prof. Uzair Shaik, Adani Institute Of Infrastructure Engineering.** He explained that as for developing the village with urban facilities under any category like Physical infrastructure, socio-economic infrastructure, sustainable infrastructure or any type of development and construction, engineer plays a major role. It requires to plan from scratch to the final product and before giving any solution or design for any kind of problem faced by the villagers must answer two questions. 1. Is this the most necessary design among all the other problems faced by villagers? 2. Is the design ready to use? Is the plan, elevation and sectional details confirming to the local prevailing byelaws? Will this plan/ idea solve the problem from its roots? Is the solution designed is cost effective? This points needs to be understood before giving the any solutions/ designs. Students can use the help of their faculties and good reference books of Building and Town planning, Estimation costing and valuation subjects and design of R.C.C and steel structures. Also, checking the stability of structure and arrange the drawing in ready to use A2 or A3 drawing sheets which contains the working. So likewise students can technically develop their project report.



**Technical Insight to the Electrical - Students By Prof. Niti Desai, Government Engineering College, Godhra,** She explained, that “For the development of any nation villages plays an important role and FOR development of villages rely on the availability of power supply in that particular village. So as a part of Vishwakarma Yojna students will firstly find whether a continuous supply of electricity is available in the village or not ? if not then they need to find the reasons and will work on the same, like fault finding, building a system such that if fault occurs it can be cleared in a short time etc.



The other major problems which the villagers face is that of low voltage and voltage fluctuations. We can even give proper design and solutions to resolve these problems. We should also aware the villagers about Jyoti gram Yojana, Solar subsidies, Solar pump etc. For safety purpose we can design a High mast light, also proper streets lights, Aerial bundled cables etc in the village. Even we can design a renewable source of generation so that a village can become self-sustainable. So development of village is possible only if proper electricity demands are met. At last she thanked all the dignitaries for giving her opportunity for the expert faculty for evaluating the best report village development and giving the guidelines for the technical electrical part for the students.



Vote of Thanks proposed by **Prof.Mridul Seth, Assistant Professor, GTU**, to all the dignitaries for their presence and give their valuable time. He thanked all the students for taking participation in the VY project.

### QUESTION & ANSWERS & OTHER REQUIRED GUIDELINES

At the last, of the Orientation program Question & Answers & Other Required Guidelines given to the students about the grouping of the students in this project, PMMS registration and uploading of the progress work of the report, Discussion was very much helpful to students and nodal officers to fill technical gap as well as to share their views.

### COLLEGES PARTICIPATED IN VISHWAKARMA YOJANA PHASE-IX

Sr.	Date/Day/Time	Venue	Participants Colleges/ Institutes Zone Wise		
1	9th February, 2022 Wednesday 10.45 AM to 12.39 PM	Online	Sr. No	Inst Code	Institute Name
<b>Ahmedabad Zone - 1</b>					
			1	002	AHMEDABAD INTUTIUDE OF TECHNOLOGY
			2	21	GOVERNMENT ENGINEERING COLLEGE, BHAVNAGAR
			3	28	L. D. COLLEGE OF ENGINEERING
			4	32	L. J. INSTITUTE OF ENGINEERING & TECHNOLOGY
			5	34	NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY
			6	118	D A DEGREE ENGGINEERING AND TECHNOLOGY
			7	131	ADANI INSTITUTE OF INFRASTRUCTURE ENGINEERING
			8	129	GYANMANJARI INSTITUTE OF TECHNOLOGY
			9	108	AMIRAJ COLLEGE OF ENGINEERING & TECHNOLOGY
			10	113	SAL COLLEGE OF ENGINEERING
			11	126	SAL ENGINEERING & TECHNICAL INSTITUTE
			12	121	APOLLO INSTITUTE OF ENGINEERING & TECHNOLOGY
<b>Gandhinagar Zone - 2</b>					
			1	65	MERCHANT ENGINEERING COLLEGE
			2	78	SMT. S. R. PATEL ENGINEERING COLLEGE
			3	91	SHRI SATSANGI SAKETDHAM "RAM ASHRAM" GROUP OF INSTITUTIONS.
			4	104	GUJARAT POWER ENGINEERING AND RESEARCH INSTITUTE
			5	125	SHREE SWAMINARAYAN INSTITUTE OF TECHNOLOGY
			6	12	GANDHINAGAR INSTITUTE OF TECHNOLOGY



# Vishwakarma Yojana Phase-IX orientation program

7	90	TATVA INSTITUTE OF TECHNOLOGICAL STUDIES
8	61	GOVERNMENT ENGINEERING COLLEGE, PALANPUR
<b>Sr. No</b>	<b>Inst Code</b>	<b>Institute Name</b> <b>V.V.Nagar Zone - 3</b>
1	001	A. D. PATEL INSTITUTE OF TECHNOLOGY
2	005	BABARIA INSTITUTE OF TECHNOLOGY
3	60	GOVERNMENT ENGINEERING COLLEGE, GODHRA
4	82	DR. JIVRAJ MEHTA INSTITUTE OF TECHNOLOGY
5	117	NEOTECH INSTITUTE OF TECHNOLOGY
6	124	SARDAR PATEL COLLEGE OF ENGINEERING
7	50	SIGMA INSTITUTE OF ENGINEERING
<b>Sr. No</b>	<b>Inst Code</b>	<b>Institute Name</b> <b>Rajkot Zone - 4</b>
1	4	B. H. GARDI COLLEGE OF ENGINEERING & TECHNOLOGY
2	15	GOVERNMENT ENGINEERING COLLEGE, BHUJ
3	35	NOBLE GROUP OF INSTITUTIONS
4	54	DARSHAN INSTITUTE OF ENGINEERING & TECHNOLOGY
5	83	DR. SUBHASH TECHNICAL CAMPUS
6	89	SHRI LABHUBHAI TRIVEDI INSTITUTE OF ENGINEERING & TECHNOLOGY
7	92	VEERAYATAN INSTITUTE OF ENGINEERING
8	109	BALAJI ENGINEERING COLLEGE
9	130	SMT. SHANTABEN HARIBHAI GAJERA ENGINEERING COLLEGE
10	138	DR. V. R. GODHANIA COLLEGE OF ENGINEERING & TECHNOLOGY
<b>Sr. No</b>	<b>Inst Code</b>	<b>Institute Name</b> <b>Surat Zone - 5</b>
1	009	C. K. PITHAWALLA COLLEGE OF ENGG & TECHNOLOGY
2	19	GOVERNMENT ENGINEERING COLLEGE, VALSAD
3	94	VIDHYADEEP INSTITUTE OF ENGINEERING AND TECHNOLOGY
4	111	MAHAVIR SWAMI COLLEGE OF ENGINEERING & TECHNOLOGY
5	123	S.S.AGRAWAL INSTITUTE OF ENGINEERING & TECHNOLOGY
6	23	DR.S.& S.S.GHANDHY GOVERNMENT ENGINEERING COLLEGE, SURAT
7	84	R.N.G. PATEL INSTITUTE OF TECHNOLOGY
8	112	PACIFIC SCHOOL OF ENGINEERING
9	049	SHRI SITARAMBHAI NARANJI PATEL INSTITUTE OF TECHNOLOGY
10	045	SHRI S'AD VIDYA MANDAL INSTITUTE OF TECHNOLOGY

## PROGRAM SCHEDULE FOR VISHWAKARMA YOJANA PHASE-IX

TIME	ACTIVITY	Duration
	<b>SESSION 1</b>	<b>62 min</b>
10:45 AM - 11:00 AM	Join Online of the Nodal Officer and Students	5 min
11:00 AM - 11:03 AM	GTU Song	3 min
11.03 AM - 11.06 AM	Introduction about the program By <b>Prof.(Dr)Jayesh Deshkar</b> Honorary Director, Vishwakarma Yojana	3 min
11.06 AM - 11.09 AM	Welcome Speech By <b>Dr.K.N.Kher</b> , Registrar, GTU	3 min
11.09 AM - 11.12 AM	Brief about Best Project village development of PHASE-VIII By <b>Prof. Parth Sinroza</b> , L.J.Institute of Eng. and Technology	3 min
11.12 AM - 11.22 AM	<b>Address By Chief Guest Dr.K.Baba Pai</b> , Director, Institute Of Technology And Management Universe Technical Campus	10 min
11.22 AM - 11.25 AM	Declaration of the Result award giving for the PHASE-VIII	3 min
11.25 AM – 11.31 AM	Display of Best Village Documentary Film	6 min



11.31 AM - 11.39 PM	Award Winner Best village & Village documentary Film Students Experience Sharing	8 min
11.39 PM - 11.47 PM	Award Winner Best village & Village documentary Film Nodal Officer Experience Sharing	8 min
11.47 AM - 11.57 AM	Inaugural speech By <b>Prof.(Dr.) Navin Sheth</b> , Hon'ble Vice Chancellor, GTU	10 min
<b>SESSION II</b>		<b>45 min</b>
11.57 PM - 12.12 PM	Technical information for the Vishwakarma Yojana Project PHASE-IX By <b>Ms.Darshana Chauhan</b> -GTU	15 min
12.12 PM – 12.15 PM	Motivational Speech to the Students By <b>Prof. Akash Modi</b> , Merchant Engineering College	3 min
12.15 PM – 12.18 PM	Motivational Speech to the Nodal Officer By <b>Prof.Pranav kumar</b> Gujarat Power Engineering And Research Institute	3 min
12.18 PM – 12.21 PM	Technical Insight to the Civil-Students By <b>Prof. Uzair Shaik</b> , Adani Institute Of Infrastructure Engineering	3 min
12.21 PM – 12.24 PM	Technical Insight to the Electrical - Students By <b>Prof.Niti Desai</b> , Government Engineering College, Godhra	3 min
12.24 PM - 12.39 PM	Question & Answers & Other Required Guidelines	15 min
12.39 PM - 12.42 PM	Vote of Thanks by <b>Prof.Mridul Seth</b> , Assistant Professor, GTU	3 min
	<b>TOTAL</b>	<b>107 min</b>

## Team – GTU-VY

Prof. (Dr.) Jayesh Deshkar – VY-Honorary Director

Prof. Mridul Sheth – VY – Supervisor

Ms. Darshana Chauhan – VY – Assistant Administrative Officer





## Gujarat Technological University

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