A Report On

"Vishwakarma Yojana phase-vi"

TECHNICAL WORKSHOP (CIVIL)

For Rural Villages & Smart Cities

Road   water   people

Health   Energy

Hygiene

Water Sanitation

Rural Development

Smart Village Techniques
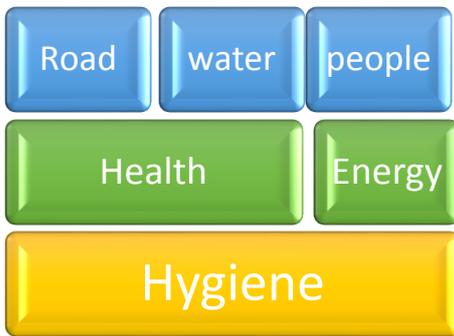
Date: 23rd March, 2019, 10.30 AM to 6.00 PM
Venue : B0-Conference Hall , GTU Campus,

Presented by:

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

GUJARAT TECHNOLOGICAL UNIVERSITY
Ahmedabad

oncept by Prof. Dr. Navin sheth, Hon'ble Vice Chancellor:

The aim of the Vishwakarma Yojana was to study village life with respect to the delivery of basic needs and then to re-imagine, redesign, rejuvenate and strengthen the community life. Any research work without direct relevance to the society will not normally lead to great Engineering Research. The students are required to re-imagine & redesign the infrastructure and make sure that the soul of the village is supported by the new

Gujarat Technological University had organized a One Day Technical Workshop of Vishwakarma Yojana Phase-VI for the students of Civil Engineering on, **For Rural Villages & Smart Cities- Scope and Opportunities in Town Planning & Shyama Prasad Mukherji Rurban Mission (SPMRM)-Initiative for Integrated Cluster Development of Rural Area & Village Planning and Development A special focus on Vrundavan Gam Yojana (Civil Engineering Students)"** held on **23ʳᵈ March, 2019** at GTU, Chandkheda Campus.

Prof.(Dr.)J.C.Lilani, Registrar, GTU welcomed Experts Faculty , all invitees & participants in the workshop, and given the insight students and faculty importance for development of the university, and welcomed all the dignitaries with the token of the Books.

Ms. Darshana Chauhan, OSD. given introduction of the Expert speakers **Dr.Vatsal Patel, Chief City Planner, Ahmedabad, Mr.Hakimuddin M. Bharmal, Principal Architect & Urban & Reginial Planner, Abhivyakti, Associate Professor, Indulal Parekh School of Architecture, Rajkot, Mr. Keyur Nagecha, Assistant Professor, V.V.P Engineering,Rajkot, 5** Nodal officers and **250** students from **32** Institutes affiliated with GTU were remain present. She explained that **Prof.(Dr.) Jayesh Deshkar,** Honorary Director-Vishwakarma Yojana Project, Principal-VVP Engineering College, Rajkot, who's constant support making this project successful.

Technical Session has been clustered in Three core themes:
- (I) Scope and Opportunities in Town Planning
- (II) Shyama Prasad Mukherji Rurban Mission (SPMRM) - Initiative for Integrated Cluster Development of Rural Area
- (III) Village Planning and Development A special focus on Vrundavan Gam Yojana

Glimpses of the photo gallery of the Technical Workshop

Dr. Vatsal Patel, has worked as Chief Town Planner at Ahmedabad Municipal Corporation. Post-Graduation in civil engineering and having professional experience of more than 35 years in the field of large scale infrastructure design development and area development

The first Session of Expert faculty has been delivered by Dr. Vatsal Patel. And he has highlighted importance of rural area and explained importance of town planning, urban planning processes, objectives of town planning in development of rural areas etc. He explained various schemes of town planning by correlating life of students with it. He also gave idea about importance of Building Bye Laws and National Building Code in construction work. He has Also explained upcoming career opportunities in shaping places and localities across town planning, role of town planner **Urban Designer, Planning Advisor, City Planner,** planning manager etc. also he motivated the students to learn new things in their life to copped with new challenging arises at various places.

Urban development is societal development Planning and managing the development of contemporary cities is one of the major societal challenges all over the world today. There is a tremendous scope for the urban planning graduates. The programme is aimed at providing
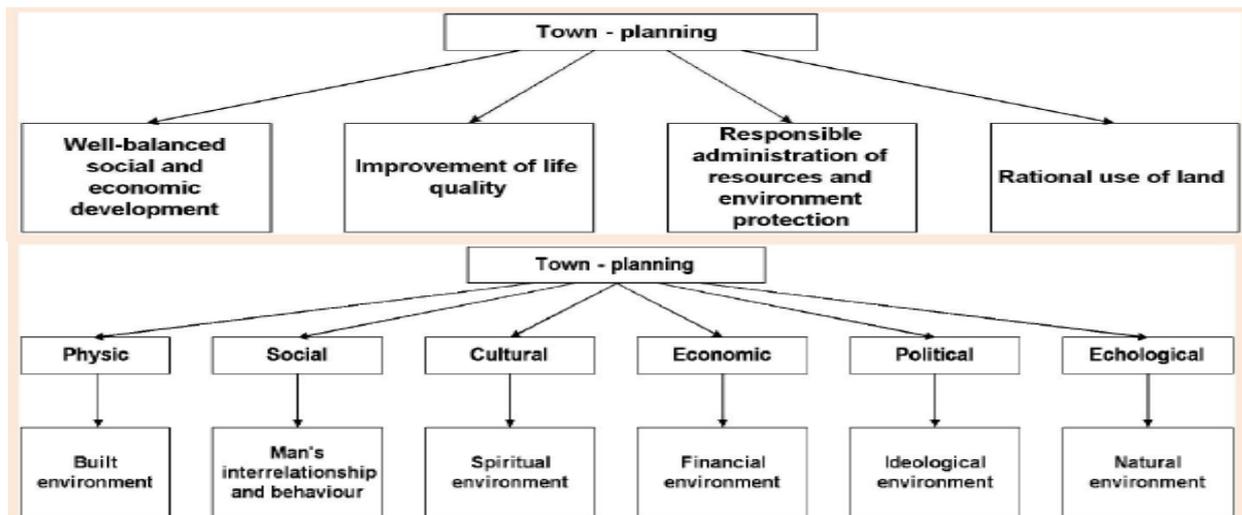
the students with a sound education in urban and regional planning An art of shaping and guiding the physical growth of the town creating buildings and environments to meet the various needs such as social, cultural, economic and recreational etc. and to provide healthy conditions for both rich and poor to live, to work, and to play or relax, thus bringing the art and science of ordering the use of land and siting of buildings and communication routes so as to secure the maximum practicable degree of economy, convenience, and beauty. civilized physical background for human life It encompasses many different disciplines and brings them all under a single umbrella. Growth of the village "human communities are always in the process of changing" "the complexity of communities, concern about the future healthy conditions and environments to make right use of the land, to avoid encroachment of one zone over the other, Recreational amenities - open spaces, parks, gardens & playgrounds, town halls stadiums, community centers, cinema houses, and theatres, To preserve the individuality of the town.

The Second Session has been conducted by **Mr. Hakimuddin M. Bharmal,** Principal Architect & Urban & Reginial Planner, Abhivyakti, Associate Professor, Indulal Parekh School of Architecture, Rajkot.

Dr.Bharmal has explained the mission and Vision of this yojana, Development of **'Cluster of Villages'** that preserve, nurture 'Essence of Rural Community Life' with focus on 'Equity and Inclusiveness' by providing 'Urban Facilities', thus creating cluster of 'Rurban Villages', and it is a similar approach of the Vishwakarma Yojana for development of the "Rural Village". He explained further in mission Bridging **'Rural-Urban Divide'** i.e. economic, technological, related to facilities and services. Stimulating **'Local Economic Development'** with emphasis on 'Reduction of **Poverty and Unemployment'** in rural areas. Attracting **'Investment'** in rural areas.

Further he explained rural areas are not stand-alone settlements, but part of a cluster of settlements. These clusters typically illustrate potential for growth, have economic drivers and derive locational and competitive advantages, hence, making a case for concerted policy directives for such clusters. These clusters once developed can then be classified as **'Rurban'-'Rural area having Urban Facilities'**, aiming at developing such rural areas by provisioning of economic, social and physical infrastructure facilities. Two categories of clusters: **Non-Tribal** and **Tribal.** While selecting the Rurban cluster, State may identify a large Village/Gram Panchayat that are Growth Centers with Resources Available in the area that could potentially lead the Economic Transformation of Region. State will select tribal district, based on parameters-Decadal Growth in Rural Population, Mission recommends 'Preparation of an Integrated Cluster Action Plan (ICAP) for each Rurban cluster. It will have **Socio-Economic & Infrastructure Planning Component**, converge various govt. schemes and implement project level interventions in cluster.

Spatial Planning Component will do assessment of funding requirements from scheme convergence and critical gap funding from Central Govt, etc. It will be initiated after selection and delineation of Rurban cluster and will follow the planning norms as laid down in State town, country planning acts or similar Central or State statutes, as applicable for State. It will result in Structure plan or Land-use plan for cluster, with Enforcement Mechanism for the same. For preparing Spatial Plans may be executed over longer period as mandated by State act, however, under the ICAP and SPC, it is only intended that States notify these clusters as Planning Areas under State town and country planning acts and submit the Draft Notification as part of ICAP.

Technical Session III

Village Planning and Development A special focus on Vrundavan Gam

Mr. Keyur Nagecha, Assistant Professor, V.V.P Engineering, Rajkot, having more than 19 years of experience. He has done his BE in Civil Engineering from BVM. V.V. Nagar and Masters in Town and Regional Planning from SVNIT, Surat. His interests areas are like Building and Town planning, construction management, professional practice, environmental engineering, remote sensing and geo informatics.

The Third Session has been delivered on the village planning and village development. Also the government of Gujarat Initiative of Vrindavan Gram Yojna was discussed in detail. It is rightly said by Mahatma Gandhi that India lives in the village. To make India great and reduce the migration from village to City, its important to empower the village with facilities available in urban areas.The guidelines and process of preparing the village planning & development plant and its implementation was covered in details. Only theoretical knowledge isn't sufficing the process was explained through the case studies of the successful village development. The villages of Hiwarebazar, Piplantree and Mawlynnog were

discussed. From active participation of students, what makes these villages a success stories in village development were discussed too.

With this preliminary information the lecture was then lead to the special focus on Vrindavan Gram Yojna. VGY is having other elements like village natural resources management

efficiently available at Village level, sustainable utilization of soil for agricultural land, water resources, physical infrastructure i.e. roads, check dam, streetlight, lake etc., skills and human

being livelihood, skill building & market linkages for economy earning, human development & improvement of their health, education facilities, beautification of villages, removal of alcoholism, domestic violence and other social evils through scientific approach, Wherein various traits of the scheme. The initiatives by the government, the collection of database and implementation strategies were covered. The overall session was quite interactive and students learned a great deal about the village development and planning.

Project Guidance and vote of thanks

Ms. Darshana Chauhan, On Behalf of VY-Section student expressed their gratitude and sincere thanks **to Prof. Dr. Navin Sheth, Hon'ble Vice Chancellor** for giving them opportunity for the village development. briefed about the points of VY-Phase-V-Part-I Project Detail reports designs. She has explained all the chapter wise where students needs to develop their report. She has also explained in detailed queries related to part–II project report. She gave solutions to different technical as well as administrative issues for village planning and development of the report. She had explained the design proposals for overall development of village includes Physical, Social and Socio-Cultural infrastructures facilities based from the gap analysis as well as chapters from future scope of the study from people's responses and various recommendation & suggestions for Sustainable village development should be included in DPR. She explained techniques for overall development of village with effective and sustainable planning. Nodal officer **Ms.Kinaari Shah from Government Engineering College, Godhara** explained how students should write in report with details understanding for designs in villages. She also thanked Prof. **(Dr.) Jayesh Deshkar,Honorary Director**, **Vishwakarma Yojana** for his constant support. She thanked all eminent speakers, Students, Nodal Officers, Co-coordinators of Vishwakarma Yojana for making the workshop successful.
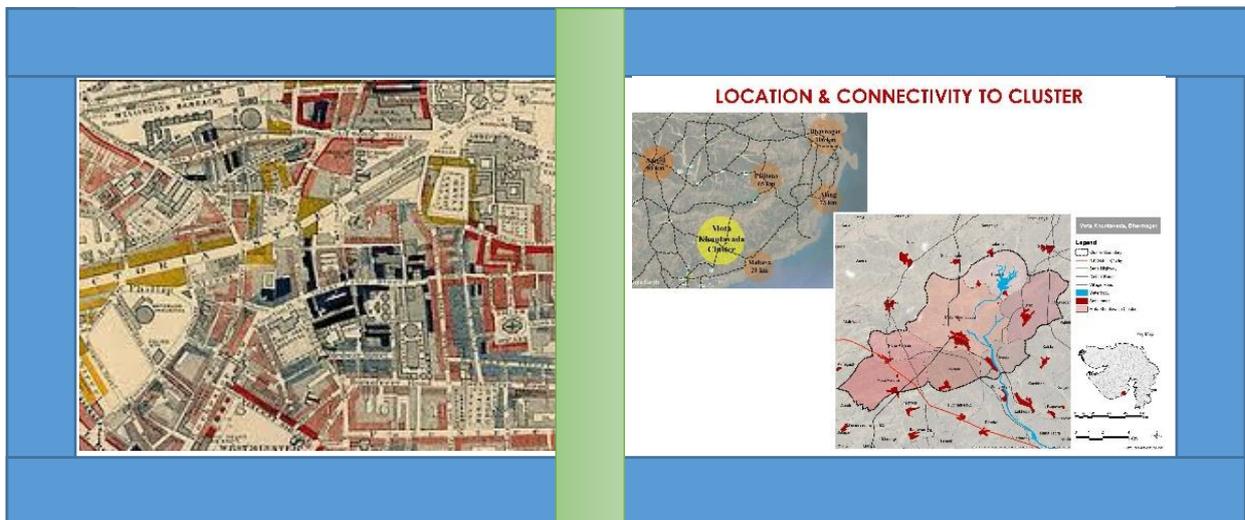
On behalf of GTU
Prof.(Dr.) Jayesh Deshkar
Ms. Darshana Chauhan