

A proposal to work for  
**Rural Infrastructure  
Development Projects (RIDP)**  
under  
**MGNREGA**



By:



**Gujarat Technological University,  
Ahmedabad, Gujarat**

Winners of: ICT Enabled University Award E-India – 2009, Manthan Award – 2009, GESIA Award-2011, AIMS International innovative University Award -2013

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# GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act No.: 20 of 2007)

## Background:

Gujarat Technological University is a relatively new technology University established by the Government of Gujarat vide Gujarat Act No. 20/2007. Gujarat Technological University, known as GTU in the community is the state university operating from Ahmedabad with 486 colleges affiliated across the State of Gujarat, India. The University caters to the entire field of Engineering, Pharmacy, Management, Architecture and Computer Science. Today, the University has about 4, 00,000 students enrolled in a large number of Diploma, Bachelor and Master's Programs along with the robust Doctoral Program. Today, GTU is the largest University in Gujarat.

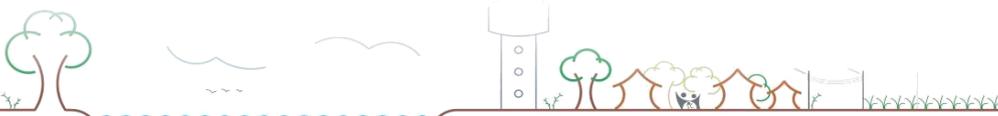
GTU is emerging as an **International Innovative University** in the pursuit of bringing innovation & Internationalization in education. Within a really short span it has achieved several national accolades for its endeavor towards bringing excellence in education.

At university level, GTU is a pioneer in introducing some Innovative learning Methodology in India like "**Active Learning**" which is a classroom created online. The **GTU Innovation Council** is the most active Innovation Council in the country engaged in training and developing the young minds towards an ideology to invent.

In India, GTU has the largest **International Experience Program** with the universities of America, Canada, China and Germany, which offers a unique opportunity to the students to enhance their capacities with a global perspective. On the other hand, in the year 2013-14 GTU has enrolled **International students from many of the Asian and African countries** which have opened new gates for the International Educational Exchange at GTU.

GTU has also introduced a concept of **Research Week**, which is a unique evaluation process of dissertations of master's and doctoral programs involving experts from the Universities across the Globe. Being a Technological University GTU has also introduced a **Contributor Personality Development Program and Bridge Course** to nurture the students with the essential life skills along with technical knowledge to develop as an individual and a successful professional in the competitive world. An **Industrial Training and Placement Cell** is established in GTU to transform a knowledge seeker into a manpower for the diligence.

**Post Graduate Research Centers** of GTU are actively involved in several national and international research projects. Each year, GTU host several national and international **conferences** to bring the academicians and industry experts on a single platform to exchange the knowledge and experiences on various current affairs in their area. GTU also has been involved in **partnerships** with leading industries like Bosch Rexroth, National Stock Exchange, Bombay Stock Exchange, IEEE, Oracle, C-Dac and many more to encourage industry-academia knowledge exchange.





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Taking the ideology of innovation and internationalization at par, GTU has begun a movement of reforming the technical education across the nation with a unique project known as **Designing the Structure of Technological Universities (DSTU)** involving the eminent education stakeholders across the nation.

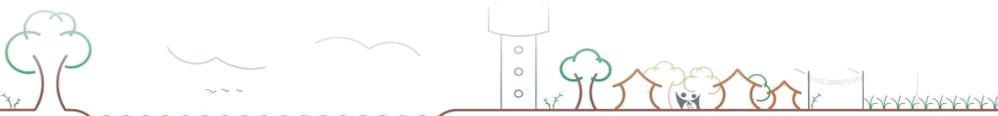
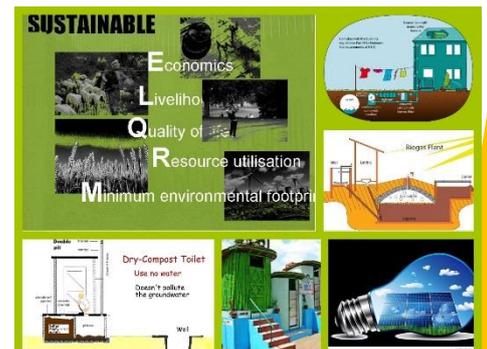
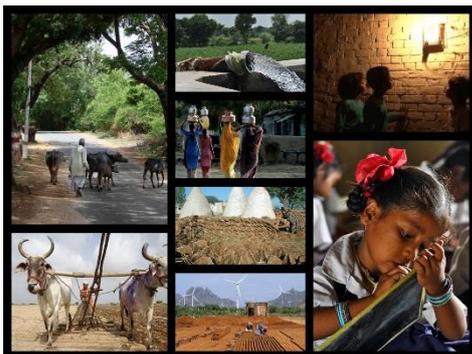
## Vishwakarma Yojana: An approach towards Rurbanization

GTU has been allotted an important and prestigious project of Vishwakarma Yojana by the Government of Gujarat for the year 2012-13. **“Developing village with a ‘rural soul’ but with all urban amenities that a city may have” is the aim of the project.** This will help in developing villages in sustainable manner, reduce migration from villages and prevent the cities from the urban pressure.

Vishwakarma Yojana have provided “Design to Delivery” solution for development of villages in ‘Rurban’ areas. The developmental work in villages have under taken 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. “Vishwakarma Yojana” has provided the benefit of real world experience to engineering students and simultaneously applied their technical knowledge in the development of infrastructure in Villages. The Engineering colleges have studied the identified villages and made the recommendations on the application of technology to achieve integrated and comprehensive development, through project preparation and management.

The project completed in two phase. During 2012-13, the detail project reports for 68 villages were prepared by the 200 students of 49 Colleges under the guidance of their faculty members. The Reports were submitted to the Village Panchayats, District Development Officers and also presented to Hon’ble Education Minister Shri Bhupendrasinh Chudasamaji, Govt. of Gujarat.

During 2013-14, the work has been completed for 187 villages by 800 students of GTU. Detail project report of all the villages will be submitted by this September 2014. The collectors, TDO, Sarpanches of few villages are already started implementing the proposals design by the students in their respective villages.





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The students who have worked under Vishwakarma Yojana project was getting stipend per month of Rs. 3500 to Degree student and Rs. 3000 , Diploma students per month & Transportation allowance Rs. 500 per month from the fund allotted from Ministry of Urban department, Gujarat to GTU for this project.

To make this project successful, GTU has arranged numbers of orientation programs, technical workshops for students, interaction workshops, meeting with nodal officers & brain storming sessions to achieve the desired aim & objectives of Vishwakarma Yojana.

## MGNREGA & GTU:

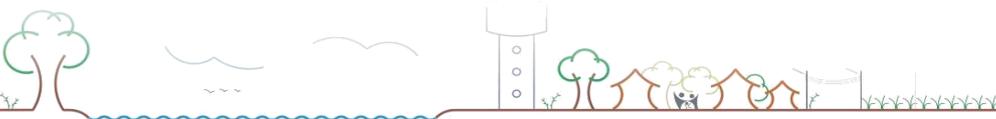
GTU is been always supportive hand and actively participated in the project where the society development is related. MGNREGA is one of the opportunity where students get platform to get real world experience with the village upliftment which is connected to nation development.

The different works covered under MGNREGA providing livelihood security to the rural poor. Enhance livelihood security of the rural poor by generating wage employment opportunities in works that develop the infrastructure base of that particular locality, Rejuvenate natural resource base of the area concerned, Create a productive rural asset base, Stimulate local economy for providing wage employment & Ensure women empowerment are the basic objectives of MGNREGA.

The team of GTU will be working to achieve all the core objectives under MGNREGA. The main focus will be the quality improvement with village development which is major problem facing because of unskilled labour.

## Students of GTU would perform the following functions (deliverables):

- **Field data collection** for the ongoing/ upcoming infrastructure development projects covered under MGNREGA for the village.
- Field data collection for **site selection process**.
- Proposal/ suggestions for the **Material selection** process with respect to durability and affordability parameters.
- **Skilled supervision** for the ongoing/ upcoming infrastructure development projects with respect to quality improvement
- Selection of **Appropriate technology** for quality improvement with the optimum time frame
- **Estimation & Costing and Rate analysis** part for the upcoming Projects if needed

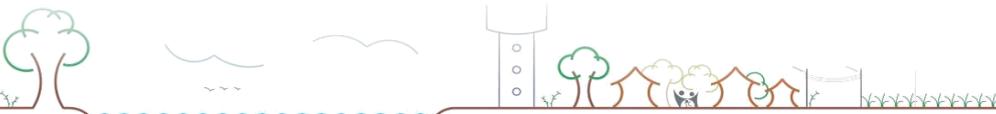
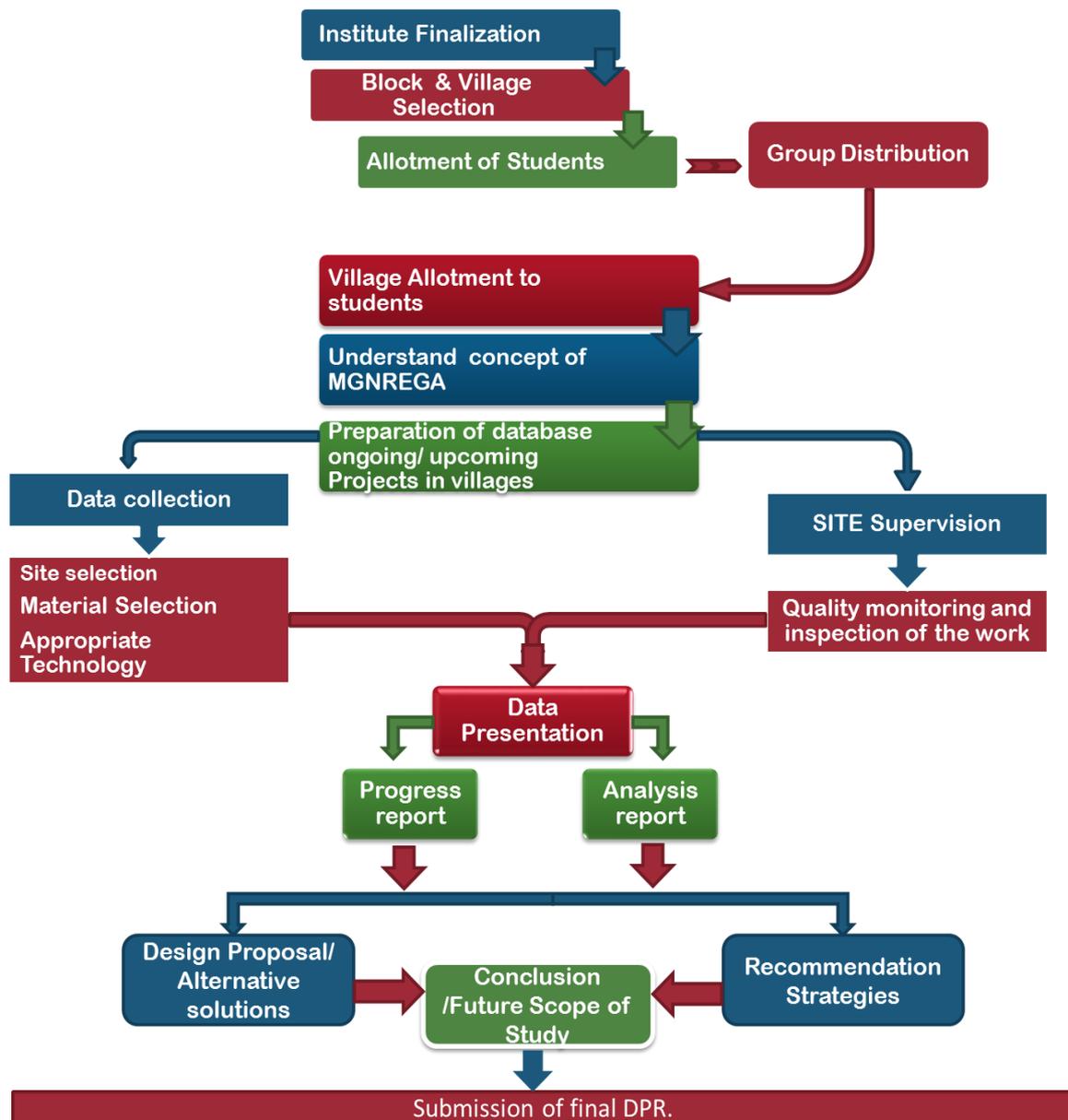




- Design proposals/ alternative solutions for the projects covered under MGNREGA for the village
- All other civil engineering related works for the projects executed under MGNREGA.
- Progress report submission, Inspection report and Detail project report submission for analysis and action to achieve specific objectives.

## Methodology would be adopted by GTU:

The methodology to fulfill all the objectives under MGNREGA is as follows:





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## Time frame for the study:

Final year Civil engineering students from various Institutes will work under this project. All the students will work from **September 2014 to June 2015 (Ten months)** period. All the students will work as per the rules and regulation of GTU. The students will submit monthly progress report and detail analysis report will be submitted in the end of the semester. Final Detail project report will be submitted by June 2015.

## Monitoring of the progress of the study:

The monitoring will be done by GTU team & will be discussed with representative from Mahatma Gandhi NREGA Division, Ministry of Rural Development, Gujarat. At the end of every month, a representative from the GTU will discuss the progress of work and action plan for remaining work.

## Expectation from MGNREGA division, Gujarat:

### Administration:

The information of the students and nodal officers who are going to work under rural infrastructure development projects under MGNREGA should be inform to all respective authorities along with DDO, TDO, DRDA & other. I-card will be issued to all the students for identification purpose at site.

### Technical support:

All the students along with nodal officers need to provide technical guidance timely for effective completion of the project. To give exposure to the various aspect of village development in context to **MGNREGA**, technical workshops need to be organize with the help of your respective division.

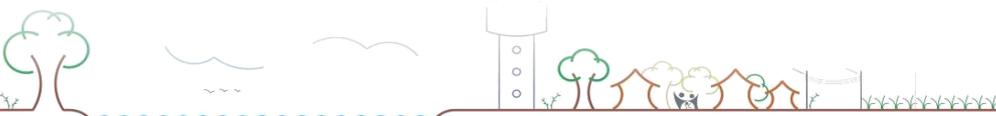
### Financial:

**450 students from 34 respective institutes** of GTU across Gujarat will work under Rural infrastructure development Projects under MGNREGA as enclosed in **Annexure-I**.

The financial help required to reach the desired outcome is as follow:

**Optimum stipend per student per month: Rs.2500** (for both Degree & Diploma)

**Transportation allowance per students per month: Rs. 500 OR Transpiration facilities** whichever is possible





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## Outcome:

Long-range planning must take place in a public forum, with opportunities for public participation, if it is to be representative. The support of the community can also foster improved implementation opportunities. The students of GTU will provide all the essential database with technical parameters for the developmental work in villages that could under taken as per the need of the village people as per all the regulations and norms along with the consultation of concerned Government Officials (TDO, DDO & Sarpanch) & team MGNREGA. At the end of the project period, Detail project report with all essential analysis, alterative solutions and sustainable proposals will be reached to your respective authority for effective development of villages.

