

MCT
MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
UNNAT BHARAT ABHIYAN CELL
Wholesome Rural Development Through Techno-Social Initiatives

SOCIAL INTERNSHIP: FAIZPUR

DURATION: AUGUST 30th TO SEPTEMBER 6th, 2019



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ACKNOWLEDGEMENT

The opportunity provided by **CTARA-CENTRE FOR TECHNOLOGY ALTERNATIVES FOR RURAL AREAS, IIT BOMBAY AND UNNAT BHARAT ABHIYAN CELL, RGIT** as Social Internship was a great chance to learn and develop professionally. Therefore, the team members consider themselves lucky to get this opportunity. The Team is also grateful for having a chance to meet so many wonderful people and professionals who led the team through the visit period.

Bearing this in mind we are using this opportunity to express our deepest gratitude and special thanks to our Principal, **Dr. Sanjay Bokade**, in spite of being extraordinary busy with his duties, took time to hear, guide and keep us on the correct path and allowing us to carry out this social campaign visit during internship phase.

We express special thanks to **Dr. Kiran Chaudhari**, Institute Level Coordinator of UBA Cell, RGIT for taking crucial decisions & giving necessary guidance and arranging all facilities to make the visit easier. We are thankful and fortunate enough to get constant encouragement, support and guidance from the **Dr. Bakul Rao** Faculty from CTARA IITB and also the Representatives from CTARA who visited Faizpur with team.

We owe deep gratitude to **Faizpur Municipal Council** who took keen interest in field visit and guided the team till the completion of our campaign by providing all necessary information for successful completion. Also special thanks to the Village Development Internship team.

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INRODUCTION

Social internship is an initiative of CTARA, IITB and Unnat Bharat Abhiyan Cell, RGIT in an association with Faizpur Municipal Council to involve students of all departments studying in different academic years for exploring various opportunities in techno-social fields, to connect and work with Rural India for their upliftment. CTARA, the Centre is gearing itself to face the challenges posed by these changes, through research projects as well as new academic and training programs. On 15th July 2019, an orientation session was arranged by UBA Cell RGIT to introduce Unnat Bharat Abhiyaan to students of RGIT,Mumbai. The event was honored by the presence of Prof. Bakul Rao from CTARA IIT BOMBAY. CTARA stands for Centre for Technology Alternatives for Rural Areas where M.Tech courses are offered for graduate students from any field of engineering. The course takes two years to complete. Under CTARA IIT Bombay, students get an opportunity to work for social projects.

After orientation, proposal came from CTARA IITB was accepted by UBA Cell RGIT to collaborate with CTARA for an internship. Main focus of this internship was to collect the data of Faizpur town for an integrated project of water supply, sanitation, solid waste management and storm water drainage. CTARA over the years has developed relations with various Governmental Departments at the Centre and State; Industrial Houses, Non-governmental Organizations/Community Based Organizations.

OBJECTIVES

- ❖ Main objective of this Internship was to collect the data of nearly 6500 households.
- ❖ To avail our students an excellent opportunity to know the social behavior of people of Faizpur Town Which will help during Survey of Jalgaon cluster.
- ❖ Another aspect of this Internship was to learn about the Mobile Based Surveys in Kobo-Collect app.

TRAINING PROGRAM AT IIT BOMBAY

On August 30, 2019 Social Internship team visited CTARA at Indian Institute of technology, Bombay for a training session arranged by Prof. Bakul Rao. In this visit the students were trained how to conduct the survey and which information is to be taken. Also they taught students how to actually talk to people while taking the surveys.

The best part of this training session was mobile based survey rather than paper based survey. Mobile based application based means KoBo Toolbox is a suite of tools for field data collection for use in challenging environments. Software is free and open source. Most of users are people working in humanitarian crises, as well as aid professionals and researchers working in developing countries.

There were various aspects of survey such as information about the family persons, their educational details and their current job details whether studying or doing any job. Survey was more focused on the details of their waste management, sanitation as well as water supply and also asking them whether the water comes on daily basis or not? If not then how many days in week water doesn't come? And at the end the person who is taking the survey is supposed to take the GPS location of that home or building.

SURVEY OF FAIZPUR TOWN

A team of 23 students of MCT's RGIT along with 5 members of CTARA, IIT Bombay participated in a 7 day visit to Faizpur, Jalgaon from August 31, 2019 to September 7, 2019. The main aim of the internship was to collect the data of water management, solid waste management, sanitation, sewage management and storm water management of Faizpur town. The findings of the survey would further be used to build an integrated project in the selected region. The total population of Faizpur is nearly 22,000 people distributed in 6,500 households divided in 8 wards.

On 31st August, team conducted a meeting with Officials of Faizpur MNC in Faizpur. Then team was divided into four groups led by CTARA representatives. The representatives were really helpful and also students got to work with them. The team successfully completed around 4536 open house and 355 closed house surveys.

The findings of the survey suggest that clean drinking water is available through private taps in most of the houses, but some houses still prefer community tap water. Although, municipality tractors, collect dry and waste segregated solid waste everyday, storm water is accumulated on the roads and empty farms. Private and public toilets are present in the village, but sanitation conditions are not very promising as 7% of the total surveyed population opts for open defecation.

The students acquired an opportunity to learn different research methodologies throughout the course of the survey. This golden opportunity helped to improve communication Skills, social studies, as well as human behavior and had an excellent opportunity to work for community in development related work

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GALLERY



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OUTCOMES

- ❖ UBA Cell RGIT has established a strong relationship with the CTARA IIT B and also with representatives of CTARA IITB.
- ❖ Our students got an excellent opportunity know the social behavior of people of Faizpur Town Which will help during Survey of Jalgaon cluster
- ❖ Data collected by students will surely help Faizpur MNC to design Water supply, Sanitation, Waste water management and Store water drainage for at least next 25 years
- ❖ One of the most important outcomes is that the digital survey which is way better than paper based surveys.
- ❖ This Internship helped our students to build better communication skills and also got an opportunity to learn social research methodologies