**PROJECT REPORT ON CONSTRUCTION OF**

**STAFF QUARTERS BUILDING AT**

**NIT ANDHRA PRADESH**

**NATIONAL INSTITUTE OF TECHNOLOGY, ANDHRA PRADESH**

**ABSTRACT**

National Institute Of Technology, Andhra Pradesh permanent campus construction has been started on January 2019 and completed nearly 80 percent of the initial phase 1A buildings. It included Academic building. Hostels, Staff Quarters etc. But due to accommodation problems faced by pre 2019 batch students, construction of hostels and mess buildings are made top most priority, resulting in the delay of construction of staff quarters. Other factors like shortage of materials, skilled labor and unfavorable weather conditions led to much further delay. However as of November 26, 2019, the first two blocks of staff quarters at boys and girls hostel respectively are approaching near 100 percent completion leaving only minor civil works as pending. Thanks to prefabrication technology, it made a significant and positive impact on the time of completion and quality of the buildings. Several modern methods like using prefabricated walls, bricks, remote cranes etc… are deployed to quicken the process of construction. In spite of this the project has extended its date of completion beyond its prescribed deadline.

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**1. Introduction.**

National Institute of Technology, Andhra Pradesh is the 31st institute in chain of the centrally funded government educational institutions for higher technical education in India. It is a result of the formation of new enactment law for the state Andhra Pradesh. The foundation stone was laid in 2015 by Former HRD minister Mrs. Smriti Irani and Former CM of Andhra Pradesh Mr. Chandra Babu Naidu at land allocated in Tadepalligudem Aerodrome.

* 1. **. Background details of the project .**

Although the foundation stone was laid in 2015, the actual process of construction began only in 2018. This is because of delay in project tendering process and acquisition of land.

After completing the acquisition of land and getting approval from other departments, the central cabinet approved the project to go ahead. The project was undertaken by Central Public Works Department (CPWD) and the winner of tender process BG SHIRKE Pvt .Ltd Construction Company undertook the construction activity on January 2018. The whole project was divided into two primary phases namely 1A and 1B. Phase 1A includes Academic Block -1, Laboratory complex-1, Girls and Boys Hostel Blocks, Mess Blocks, Canteen Building, Staff Quarters & Sports stadium. As of 26th November 2019, the first five categories of buildings are completed 90 percent and are put into partial usage.

* 1. **Requirement of Staff Quarters.**

As the institute draws students and professors from all across the India, it is necessary to accommodate all students and faculty with all necessary facilities. Since most students studying at universities require assistance from professors, Staff Quarters inside the campus will enable students to access to them anytime. Professors can interact with students more often if they stay within the campus.

**2. Construction Process.**

The construction process of this project is taking