

# VOCATIONAL TRAINING REPORT

ON

BUILDING CONSTRUCTION OF PROPOSED 3 STOREY GIRLS HOSTEL ,  
GOVERNMENT ENGINEERING COLLEGE ,RAIPUR CHHATTISGARH

A report submitted in partial fulfilment of the requirement of the award of degree

of

**BACHELOR OF TECHNOLOGY**

in

**CIVIL ENGINEERING**

submitted by

**SAUGAT SINGH**

**ROLL NUMBER: 21024132**



**DEPARTMENT OF CIVIL ENGINEERING**

**SOS, ENGINEERING AND TECHNOLOGY**

**GURU GHASIDAS VISHWAVIDYALAYA**

**(CENTRAL UNIVERSITY)**

**BILASPUR, CHHATTISGARH – 495009**

# OFFICE OF THE EXECUTIVE ENGINEER

PUBLIC WORK DEPARTMENT, DIVISION NO. II

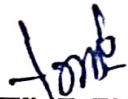
RAIPUR (C.G.)

## ∴ CERTIFICATE :-

This is to certify that Mr. SAUGAT SINGH  
6<sup>th</sup> Semester of GURU GHASHIDAS VISHWAVIDYALAYA,  
BILASPUR CHHATTISGARH has undergone vocational  
training in Basic Civil Engineering from the dated  
10/05/2024 to 10/06/2024.

His conduct was good during the training period.

Not for job purpose and other uses.  
It's only work field experience certificate.

  
EXECUTIVE ENGINEER  
P.W.D. DIVISION NO. 2,  
RAIPUR, (C.G.)

## ABSTRACT

**Introduction:** This report documents a vocational training project undertaken for the construction of a 3-storey girls' hostel building at Government Engineering College (GEC), Raipur. The project aimed to provide accommodation for 250 students, addressing the critical need for residential facilities on campus.

**Methodology:** The vocational training, spanning a duration of 4 weeks, began with detailed architectural and structural planning. This included the design and construction of reinforced concrete columns, beams, and foundations, ensuring structural integrity and compliance with safety standards. The project involved meticulous procurement of materials, scheduling of construction activities, and effective coordination with contractors and stakeholders to ensure timely completion.

**Results:** The successful completion of the project resulted in the establishment of a modern girls' hostel facility at GEC Raipur. The building features robust concrete structures, including columns and beams meticulously designed to support the load requirements. A reinforced concrete foundation was laid to ensure stability and longevity. Each floor of the hostel includes well-planned living quarters, common areas, sanitation facilities, and recreational spaces, accommodating 250 students comfortably.

**Conclusion:** In conclusion, this vocational training project has provided invaluable practical experience in construction methodologies, project management, and teamwork as part of the curriculum. It underscores the importance of meticulous planning, efficient coordination, and adherence to quality standards in achieving successful project outcomes. The newly constructed hostel not only fulfills its functional objectives but also contributes significantly to the educational environment at GEC Raipur, demonstrating effective collaboration between academia and industry.