



**VOCATIONAL TRAINING REPORT**  
**ON**  
**OVERHAULING OF COACHES AND WAGONS**  
**AT**  
**SOUTH EAST CENTRAL RAILWAY, BILASPUR**



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**Enrollment No.: G GV/20/0 1709**



**BACHELOR OF TECHNOLOGY**  
**IN**  
**MECHANICAL ENGINEERING**

DEPARTMENT OF MECHANICAL ENGINEERING,  
SCHOOL OF STUDIES AND TECHNOLOGY,  
GURU GHASIDAS VISHWAVIDYALAYA,  
KONI, BILASPUR (C. G.)  
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## Introduction

Our Vocational Training was given by South East Central Railway (SECR). SECR is headquartered at Bilaspur. Due to this, Bilaspur is a big hub for repairing and maintaining of railways. Bilaspur is one of the biggest railway junctions of India. The vocational training was divided into two parts in which the first two weeks were covered in CHG Care Centre where passenger trains such as Express trains, Duronto Express, Rajdhani Express, Vande Bharat, etc. trains are repaired and cleaned and the remaining two weeks were covered in at BCN coach depot where maintenance of wagons which carry coal and other goods are done. SECR also has an Electric Locomotive shop at Bilaspur where electrical Train engines undergo maintenance. It has recently been setup so it doesn't have all facilities as of now. So, for this internship only BCN depot and CHG care center were allotted to us.

First two weeks of training was done at CHG Care Centre where passenger trains are maintained. Here the training was further divided into two parts:

1. ICF coaches: 7 days
2. LHB coaches: 7 days

The other two weeks were covered at BCN Wagon Depot where goods Wagon undergo Scheduled Maintenance. In BCN depot, all types of goods trains both open and closed were repaired and maintained.

One of the earliest production units of India was the Integral Coach Factory (ICF) which was inaugurated by our first Prime Minister Pandit Jawaharlal Nehru. The frame of the coach was made with mild steel and was a fabricated structure. Though it was the earliest coach model of India, the Linke Hofmann Busch (LHB) coach was better than the former in many terms. The Linke Hofmann Busch could operate at a higher speed in comparison to the Integral Coach Factory and its maximum permissible speed is 160 kilometres per hour. While the permissible speed for the ICF coach is just 110 kilometres per hour.





# SOUTH EAST CENTRAL RAILWAY, BILASPUR



## TO WHOM SO EVER IT MAY CONCERN

It is hereby certified that Ms. ANNADAA VIVEK KALASKAR student of "Guru Ghasidas Vishwavidyalaya (Central University), Bilaspur (C.G.)" has undergone Vocational Training at BCN Depot and Coaching Depot in Mechanical Engineering Department of SECR, Bilaspur Division from 25.05.2023 to 23.06.2023.

During this period of training she was very active. She has taken keen interest during the training period and has performed excellently. We wish her all success in her future endeavors.

Date :  
Place :



Sr. Divisional Mechanical Engineer  
South East Central Railway, Bilaspur

*[Signature]*  
03/06/23  
Sr. Div. Mechanical Engineer  
South East Central Railway, Bilaspur