

Summer Internship Report

On

Construction of Flexible Pavement

In Salepur- Karauta road by Tanstek company

**A project report submitted in partial fulfillment of the requirement of the award
of the degree of Bachelor of Technology**



Guru Ghasidas Vishwavidyalaya

B.Tech in Civil Engineering

SUBMITTED BY

AKRITI SAGAR

University Registration Number: 21024146

Transtek Engineering Services Pvt. Ltd.

Civil Engineering Department

Certificate



TRANSTEK ENGINEERS & SERVICES PVT. LTD.

CIN U00500BR1997PTC007841

ISO 9001: 2015 Certified Company

GSTIN: 10AABCT0032H1Z7

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Dated : 27th June 2024

To Whom It May Concern

This is to certify that Miss AKRITI SAGAR D/o- Shri Sanjay Kumar Thakur student of B. Tech. (Civil), INSTITUTE OF TECHNOLOGY GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (CG) bearing Enroll No. GGV/21/01046, Roll No. 21024146 has joined our organization for one-month Vocational Training work from 27th May 2024 to 26th June 2024.

During the tenure of one-month, Miss Akriti punctually and sincerely participated in training work under the guidance of Senior Project Engineers.

We wish him best of luck for her future study period in INSTITUTE OF TECHNOLOGY GURU GHASIDAS VISHWAVIDYALAYA, Bilaspur (CG)

For Transtek Engineers & Services Pvt. Ltd.

(S. K. Verma)
General Manager (Project)



Abstract

This report presents the findings and experiences gained during a summer internship focused on flexible pavement design and maintenance. Conducted at (Transtek Engineering Services Pvt. Ltd. Patna), the internship involved a comprehensive study of flexible pavement, which is widely used due to its ability to distribute loads and adapt to varying conditions.

The internship encompassed various aspects of flexible pavement, including material selection, mix design, and performance evaluation. Key activities included fieldwork for data collection, laboratory testing of materials, and the use of software tools for pavement design and analysis. The report highlights the methodologies employed in assessing the and the techniques used for maintenance and rehabilitation.

A significant portion of the internship was dedicated to understanding the lifecycle of flexible pavement, from initial construction to end-of-life scenarios. The study also explored the environmental impact and sustainability of flexible pavements, considering factors such as resource usage and emission levels.

The report concludes with recommendations for best practices in the design, construction, and maintenance of flexible pavement, based on the insights gained during the internship. These recommendations aim to enhance the durability and performance of flexible pavements while minimizing their environmental footprint.