



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved University)

GURGAON, Delhi-NCR

Faculty of Engineering & Technology

Department of Civil Engineering

“Design of Highway”

Type of Event: Webinar

Date: 19/01/2022

Time: 02.00 PM to 03:00 PM

Mode: Google Meet

Organizers:

Dr. Neeraj Saini, HOD & Assistant Professor, Department of Civil Engineering, FEAT

Dr. Kiran Devi, Assistant Professor, Department of Civil Engineering, FEAT

Objectives:

To enhance the basic understanding of geometric design parameters that are involved in the design of highways. Design guidelines take into account speed, vehicle type, road grade (slope), view obstructions, and stopping distance. A transportation engineer can design a roadway that is comfortable, safe, and appealing to the eye, keeping these things in mind while designing of highways.

About the Speaker/Guest:

Mr. Triptesh Das, Deputy Engineer (Highway), Lea Associate South Asia Pvt. Ltd. He has worked on a number of projects in India and abroad.

Audience:

Above 30 students from the Department of Civil Engineering, SGT University were there.

Brief Report:

The Department of Civil Engineering, FEAT, SGTUniversity organized online training session on '**Design of Highway**' on 19th January 2022. The session started with various factors or parameters involved in the highway design. The expert discussed significance of various geometric design parameters i.e. design speed, design traffic volume, sight distance, alignments, cross section, lane width etc., superelevation, transition curve, set back distance, extra widening etc. in the road design for different lanes as a highway designer. The horizontal and vertical alignment of road was described. The lateral and vertical clearance in highway design was described in this session. The engineering importance of provision of drains in the roads was explained. The IRC (Indian Road Congress) recommended limit for various parameters was discussed in road design.

Learning Outcome: This webinar enable the civil engineering students to understand the basic concepts and importance of various geometric design parameters involved during the design of highways.

Kaushal Sharma is presenting

2:00 PM | wiu-vaob-gxq

Participants: Kiran Devi, Triptesh Das, Taba Teyi, Kaushal Sharma, ANMOL Tanwar, daiyan rehman, Deepanshu Se..., 9 others, You.

REC Triptesh Das is presenting

2:30 PM | wiu-vaob-gxq

Participants: Triptesh Das, NAVEEN KUMAR, daiyan rehman, SUMUKH Vats, Kiran Devi, Ankit Rajawat, Kaushal Sharma, 20 others, You.

REC Triptesh Das is presenting

2:26 PM | wiu-vaob-gxq

Participants: Triptesh Das, NAVEEN KUMAR, daiyan rehman, SUMUKH Vats, Kaushal Sharma, Dr. Neeraj Saini, Ankit Rajawat, 20 others, You.

List of students

- 1. 181301001-Nishant**
- 2. 181301007-Taba Teyi**
- 3. 181301009-Deepak Dahiya**
- 4. 181301006-Himanshu Arora**
- 5. 181301010-Ashish Chhikara**
- 6. 181301011-Toshit Gulia**
- 7. 181301008-Piyum Bicker**
- 8. 181301013-Nana Lida**
- 9. 191301004-Anmol**
- 10. 191301006-Archit**
- 11. 201301005-Shubham**
- 12. 191301002-Gourav**
- 13. 191301001-Ankit Singh**
- 14. 191301005-Tushar Dhillon**
- 15. 201301001-Sumukh**
- 16. 201316017-Kavita Negi**
- 17. 201316022-Shogufta Mustaq**
- 18. 201316026-Md. Faizanur Rahman**
- 19. 201316010-Pankaj Singh**
- 20. 201316006-Rahul Rajput**
- 21. 201316023-Satyam Aggarwal**
- 22. 201316030-Sumit Satija**
- 23. 211316003-Brichard Godwin Robort**
- 24. 211316009-Md. Gazali**
- 25. 211316010-Karan Sharma**
- 26. 211316004-Vikas Hooda**
- 27. 211316011-Md. Daiyanur Rehman**
- 28. 211316008-Mayank Aggarwal**
- 29. 211316007-Rahul Yadav**
- 30. 211316001-Manish Kumar**
- 31. 201316018-Monali Bose**