

Department: CIVIL ENGINEERING | Date: 13th November 2020

Virtual Field Visit on
“World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India”
13th November 2020

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a **Virtual Field Visit on “World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India”** on **13th November 2020** from 3.30 P.M to 4.30 P.M for the benefit of **II B.Tech. I Semester** Civil Engineering students (A-Section) through Zoom Platform.

The objective of the program is to impart the practical knowledge on the construction details of civil engineering structures which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this field and making them aware of the advancements in construction therein.

A total of **79 students** from II B.Tech., I Semester Civil Engineering, Department of Civil Engineering, Sree Vidyanikethan Engineering College have participated in the virtual field visit along with faculty. Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC; and Mr. D. V. Purushotham, Assistant Professor, Coordinator- ASCE SVEC Student Chapter were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mr. D. V. Purushotham, explained the construction details and importance of World Longest Tunnel – ATAL Tunnel at a length of 9.02 km, it is the longest tunnel above 10,000 feet (3,048 m) in the world and is named after former Prime Minister of India, Sri Atal Bihari Vajpayee. The tunnel reduces the travel time and overall distance between Manali and Keylong on the way to Leh. The south portal (SP) of Atal Tunnel is located at a distance of 25 km from Manali at an altitude of 3,060 m, while the north portal (NP) of the tunnel is located near village Teling, Sissu, in Lahaul Valley at an altitude of 3,071 m. It is a horse shoe shaped, single-tube double lane tunnel with a roadway of 8 m and has an overhead clearance of 5.525 m. Talking about the tunnel, a BRO official said it provides a telephone facility at every 150 m of its stretch, a fire hydrant every 60 m, emergency exits every 500 m, turning cavern every 2.2 km, air quality monitors every 1 km, broadcasting system and automatic incident detection system with CCTV cameras every 250 m. The Atal Bihari Vajpayee government had taken the decision to construct the strategic tunnel below the Rohtang Pass on June 3, 2000, and the foundation stone for the access road to the south portal of the tunnel was laid on May 26, 2002. Prime Minister Shri Narendra Modi inaugurated Atal Tunnel, the world's longest underground highway on 3rd October 2020.

Finally, Mr. D. V. Purushotham interacted with the students to know their understanding about construction details during the virtual field visit. The purpose of the virtual field visit was fulfilled and all the participated students were benefited.

The photographs of the program are as follows.



(Dr. O. ESWARA REDDY)

Faculty Advisor

ASCE SVEC Student Chapter

Professor, HoD and Chairman-BOS



SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati – 517102
(Affiliated to JNTUA Anantapuramu, Approved by AICTE, Accredited by NBA; NAAC with 'A' Grade)





Online
Virtual Field Visit on
“World Longest Tunnel – ATAL Tunnel, Rohtang,
Himachal Pradesh, India”
for II B.Tech CE-A Students



PMID: 679 844 1570
Passcode: ascesvec



November 13, 2020

Organized by
ASCE SVEC Student Chapter
Department of Civil Engineering

Chief Patrons



Dr. M. Mohan Babu
Chairman, SVET

Patron



Sri. Vishnu Manchu
CEO, SVET

Patron



Dr. P. C. Krishnamachary
Principal, SVEC

Convener



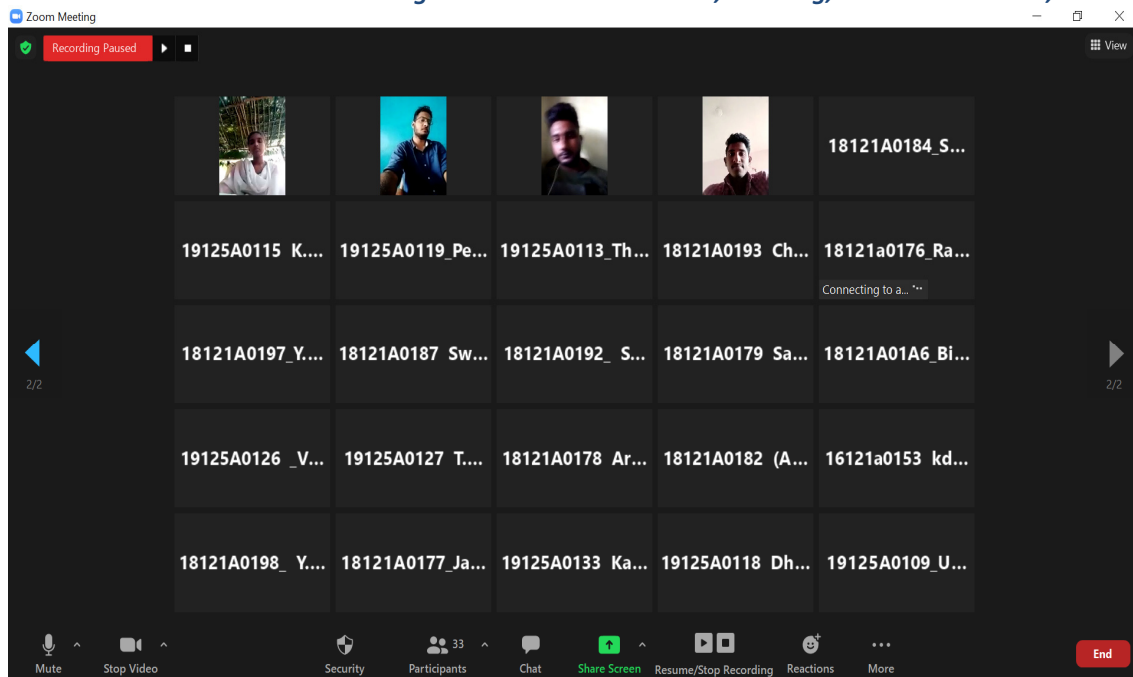
Dr. O. Eswara Reddy
Faculty Advisor, ASCE SVEC Student Chapter
HoD and Chairman-Bes, Dept. of Civil Engg.

Coordinator



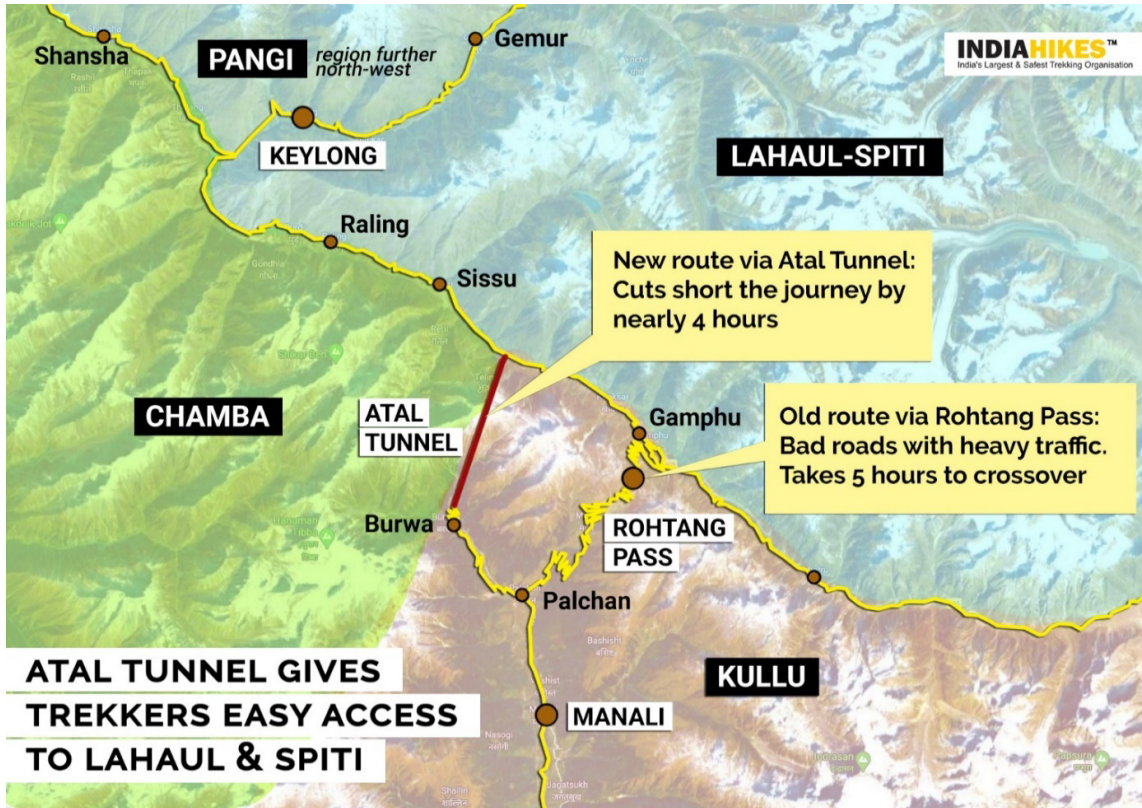
Mr. D. V. Purushotham
Coordinator
ASCE SVEC Student Chapter

Mr. D. V. Purushotham, Assistant Professor, Department of Civil Engineering, SVEC presenting an Online Virtual Field Visit on “World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India”



The screenshot shows a Zoom meeting interface with a grid of 20 participants. The participants are arranged in a 4x5 grid. The top row shows four student avatars and one faculty member's name: 18121A0184_S... The second row shows five student names: 19125A0115_K..., 19125A0119_Pe..., 19125A0113_Th..., 18121A0193_Ch..., and 18121a0176_Ra... The third row shows five student names: 18121A0197_Y..., 18121A0187_Sw..., 18121A0192_S..., 18121A0179_Sa..., and 18121A01A6_Bi... The fourth row shows five student names: 19125A0126_V..., 19125A0127_T..., 18121A0178_Ar..., 18121A0182_(A..., and 16121a0153_kd... The bottom row shows five student names: 18121A0198_Y..., 18121A0177_Ja..., 19125A0133_Ka..., 19125A0118_Dh..., and 19125A0109_U... The Zoom control bar at the bottom shows 'Recording Paused', 'Mute', 'Stop Video', 'Security', 'Participants' (33), 'Chat', 'Share Screen', 'Resume/Stop Recording', 'Reactions', 'More', and 'End'.

Students listening and interacting with Faculty in Online Virtual Field Visit on “World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India”



Photographs of World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India