

G H Patel College of Engineering & Technology, V. V. Nagar

Department of Civil Engineering

Report on

Expert talk on Sustainable Pavements Construction using technology

Department of Civil Engineering, GCET organized an expert talk on "Sustainable Pavements Construction using technology" on Saturday 17th July, 2021 by Mr. Himanshu Agarwal, the Senior Vice President, Zydex Industries, Vadodara. There are more than 80 students and faculty members have actively attended the talk. With vast experience in the field, Mr. Agarwal enlightened the students about the technology to construct sustainable pavement.

AIM:

The primary aim of the expert talk is to inform and enlighten the students concerning conventional techniques and advancements that have been achieved in the field of sustainable pavement construction. Through this event it is our goal to expose students to practical aspect of the industry.

About the Talk:

The expert talk consisted different sections where the primary section was the introduction of the speaker, and his experience within the field. Mr. Agarwal described the different technologies and procedures that are used in the industry for pavement construction. He discussed about the materials consumed for construction as well as its effect to the environment. He explained about the sustainability and why there is a need in the field of pavement construction. He explained about the emulsions/products such as TerraSil, ZycoBond, TerraPrime, NanoTac and ZycoTherm used for the soil stabilizing of subgrade, for enhanced quality of Tack coat, prime coat emulsion, and seal coat of surface course etc. and how it is used.

Mr. Agarwal also focused on the economical aspect of the project. He discussed about circular economy and its principle. He talked about his projects such as Andaman Road and Ladakh Road. He illustrated step by step procedure for pavement construction. He also explained about the quality control and checks done at the time of construction. He discussed in depth about the bonding of materials and mechanisms on the road. He concluded the lecture by discussing about the Sustainable Highway Construction- Pavement Life Cycle.

Glimpse of the event:







