

### Report on

### Expert talk on “Pavement Evaluation Techniques”

Department of Civil Engineering, GCET had organized an expert talk on “Pavement Evaluation Techniques” on 04<sup>th</sup> September, 2020 by Dr. Yogesh Shah, Assistant Professor, Civil Engineering Department, Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad. The expert talk was organized for 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year civil engineering students.

#### AIM:

The main aim of the expert talk was to aware the students about pavement management system techniques, pavement evaluation techniques, its process, along with the maintenance of the pavement.

#### About the Speaker:

Dr. Yogesh Shah did his PhD from IIT Roorkee. He is currently working as an Assistant professor & Head of the department of Civil engineering Department at Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad. He is having vast experience in teaching and did various projects.

#### About the Talk:

Dr. Yogesh Shah delivered lecture on pavement evaluation techniques for Rigid and Flexible pavement. Sir first explained about pavement management system, Structural evaluation of pavements as per IRC, how the structural load transformation takes place, distresses in rigid pavement, use of dowel bars and tie bars, causes of common distresses, Pavement evaluation steps (Distress evaluation, functional evaluation, and structural evaluation), along with different methods used for evaluating the existing condition of pavement by Bump Integrator, British pendulum test to find the skid resistance of the pavement, “On board sound intensity” to measure sound created by the movement of vehicle on rigid pavement when wheel come in contact with pavement surface. The major part was the method used to find the deflection in rigid or flexible pavement due to dynamic loading using “Falling weight deflectometer”.

The lecture was brain storming session for all students. From this lecture, students got the information pavement management system, so to know that when and where a particular type of maintenance or rehabilitation or replacement of pavement is required. Also, about the pavement distresses due to external factors like loading, atmospheric conditions and many more. Moreover, students got the knowledge regarding different methods to evaluate the pavement.