



**IE(I) STUDENTS' CHAPTER – CIVIL  
CHAPTER CODE: 388120/BVME/CV  
BIRLA VISHWAKARMA MAHAVIDYALAYA  
VALLABH VIDYANAGAR – 388120, GUJARAT**

Chairman: **Prof. (Dr.) S. D. Dhiman**

Faculty guide: **Prof. A. N. Bhavsar**

Faculty Advisor: **Prof. N. F. Umrigar**

**REPORT**

**“ SBS MODIFIED BITUMEN: An ideal solution for long Lasting pavements ”**

**Total number of participants: Students: 9 & Faculty: 10**

**Date: 6 December 2023**

**Time: 12:00 noon -1:00 pm**

**Venue: C-127 (Seminar Hall)**

**Distinguished Speaker :**

**Dr. Shamsundar Ravindranath (IIT ROORKEE)**

**IE(I) Coordinators:**

- 1. Prof. N. F. Umrigar (Assistant Professor)**
- 2. Prof. Amit Bhavsar (Associate Professor)**

**Event coordinators :**

**Dr. Pinakin Patel  
Prof. Amit Amin  
Prof. Dhaval Parmar**



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**Vallabh Vidyanagar – 388120.**

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### **Program Objective:**

The whole session was organised to impart basic knowledge about the SBS modified bitumen used for pavement construction as well as about their advantages. IEI SC Civil in association with Civil Engineering Department organized a seminar on "SBS MODIFIED BITUMEN" on 6th December, 2023 at seminar hall of B.V.M. college.

The program started at 12:00 P.M. and Dr. S. D. Dhiman Sir welcomed the expert speaker Dr. Shamsundar Ravindranath and shared his valuable insights on the topic of the expert talk and also provided brief information about the speakers and their achievements. After that a bouquet of flowers was presented to honour the expert by Dr. Zala Sir.

Our expert Dr. Shamsundar Ravindranath started the session by asking few questions related to SBS Modified bitumen and then he provided a detailed explanation about the same. He explained the participants about the various types of SBS Modified bitumen its advantages over plain bitumen. Various important parameters in which SBS Modified bitumen are classified were also discussed such as SBS concentration, SBS structure and its types, binder properties, and thermal stability. Comparison between SBS and thermoplastic bitumen performance were also discussed.

Various information's were provided related to the working of the SBS modified bitumen its types, structures, banded properties, and thermal stability. Why it is advantageous to use it rather than plain bitumen. During the session explanation about polymers were also provided.

### **Conclusion:**

Overall it was an interactive and informative session & it also helped the students to get a clear vision and perspective about their future pertaining to further studies & project. It also provided the students very vast knowledge and information about the bitumen & its structure. At the end of the session certificate of appreciation was provided by Dr. S. D. Dhiman sir.



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### Delineation



