

A Report on Two Days Technical Talk on “**Earthquake Engineering: Codal Provisions and Practices**” Organised by Civil Engineering Department of Jorhat Engineering College.

With the aim to introduce the students with basic knowledge about Earthquake Engineering, which is not covered within the present curriculum, Civil Engineering Department of JEC has conducted a two day technical talk for UG students in the departmental seminar hall on 4th and 5th June, 2018.

The program was inaugurated by Prof. P.K. Khaund, HOD, CED with an inaugural speech followed by a welcome speech by the coordinator Dr. Atanu kr. Dutta, Associate Professor, CED.

The first resource person Dr. Atanu Kr. Dutta started his talk on “Nature of Earthquake Forces”. He described about how earthquake forces affects buildings, the effect of resonance which he explained with a beautiful experiment video. Dr. Dutta also discussed about the irregularities in buildings and flaws we see in practical life from earthquake viewpoint.

The second resource person Dr.(Mrs) Nayanmoni Chetia, Assistant Professor, CED shared a ppt on “Code based design approach for earthquake resistant design”. She explained Indian Standard Codes and their uses in earthquake design of structure. Dr. Chetia also described about modern technologies like Tuned Mass Dampers, Liquid Mass Damper and Base Isolators, which are currently used in practical fields.

On second day Mr. Baharul Hussain, Assistant Professor, CED gave a talk on “Response Spectrum”. He explained to the students how response spectrum is developed and how it is used for equivalent static method of analysis as well as dynamic analysis.

Mr. Sulaem M. Laskar, Assistant Professor, CED delivered a talk on “Strengthening of Reinforced Concrete Structures; Global and Local Methods”. He discussed about retrofitting and sustainable construction of RCC structures.

The last talk was delivered by Dr. Atanu Kr. Dutta about Resist[®] software and a video was shown on Mexico Earthquake. This session followed by valedictory session. Students shared their feedback and certificates were distributed to the students.

The event was a successful one. The technical talks were relevant to the title and were well-appreciated by the students. After completion of this two days technical talk students will be able to approach earthquake engineering problems in their future endeavor.

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On
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