

A Report on one Day Technical Talk on “Alternative Building Materials and Technology” Organised by Civil Engineering Department of Jorhat Engineering College.

With the aim to introduce the students with basic knowledge about Alternate Building Materials and Technology, which is not covered within the present curriculum, Civil Engineering Department of JEC has conducted a one day technical talk for 6th Sem UG students in the departmental seminar hall on 9th 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. (Mrs) Nayanmoni Chetia, Assistant Professor, CED.

The first resource person Dr. Sanjay Deori ,Principal Scientist and group leader,NEIST (CSIR) discussed about alternative technologies used for road construction. He described about hot Mix, cold mix and warm mix Asphalt Technologies in road construction. He also introduced the students to different additives like zeolites, wax modifiers etc and the new construction technology with plastic waste. Dr. Deori also descried about the project of making bricks by using Brahmaputra river bed material.

The second resource person Dr Atanu Dutta , Associate Professor, CED Explained the merits of confined masonry construction over normal framed structures. He emphasized that simply with alteration in construction technique (maintaining keys in the brickwork) the performance of building under lateral load can be improved considerably.

In the afternoon session resource person Dr.(Mrs) Nayanmoni Chetia, Assistant Professor, CED shared a ppt on “Bamboo Reinforced Concrete”. She explained how locally available Bamboo species like Bamboosa tulda (Jati bah), Bamboosa Bacua (Bholuka Bah) etc may be treated in RFRI and then imparting certain properties like bond strength by different methods can be used as replacement of steel for low cost housing.

In the fourth session was presented by Sulaem M Laskar, Assistant Professor, CED. The students have been introduced to various types of concretes used in the modern construction industry with special emphasis on green concrete and sustainable material

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 technical talk students will be able to explore different alternative materials and constructionTechniques.

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On
9th June, 2018



