

We are pleased to inform you that a very instructive expert lecture was held on the topic "TECHNOLOGIES USING INDUSTRIAL WASTES/SUSTAINABILITY COST EFFECTIVE BUILDING MATERIALS" by Er. [Rajesh Kumar Sharma](#). He is currently working as a Senior Scientist at [Central Building Research Institute \(CBRI\), Roorkee, Uttarakhand \(India\)](#). Dr. [Mahesh Sharma, PhD](#) Head of the Department of Civil Engineering, welcomed the guest and thanked him for accepting the invite. This was an online session through Google meet.

During this session, Er. Kumar gave us Information that 960 million tons of solid waste is being generated annually as by-product during Industrial mining, Municipal agriculture and other processes which includes 350 million tons of organic waste, 290 of inorganic waste and 4.5 million tons of hazardous waste. Advances in solid waste management result in Alternative construction materials as substitutes for traditional market materials like brick, block, tiles, aggregate, ceramic cement and paint to save the environment. Efforts are also being made for recycling them and utilising them in value added applications.

The expert also familiarised the students with special techniques for converting raw material into the useful products that can bear the load and can be used as a substitute for old aggregate and be cost effective. He shared his experiences and the problems faced during the process of research by the scientists. He concluded the lecture by giving a brief about his team's research on different types of waste material that can be useful in the coming years.

The lecture helped students have a better idea about industrial waste and inspired them to think about sustainable cost effective building [material.As](#) such, we encourage all students to take advantage of these information sessions and hone their skills and knowledge to meet their career goals accordingly. Finally, there was a vote of thanks from Dr. Mahesh Sharma at the end of the meeting.

Regards,
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