

Brief Report of **Online Expert Lecture** on “**Basics of Concrete Technology**” by **Mr. Nitish Gupta**, DGM, Heidelberg Cements India Ltd. on **07th August, 2021**
Organized by Department of Civil Engineering, Integral University Lucknow

The Department of Civil Engineering, Integral University, Lucknow had organized a guest lecture on “**Basics of Concrete Technology**” on 07th August 2021 via online mode. Concrete is one of the most common materials used by the construction industry. Concrete is used for the construction of foundations, columns, beams, slabs and other load bearing elements. Therefore, quality control is necessary at the time of mixing and placing.

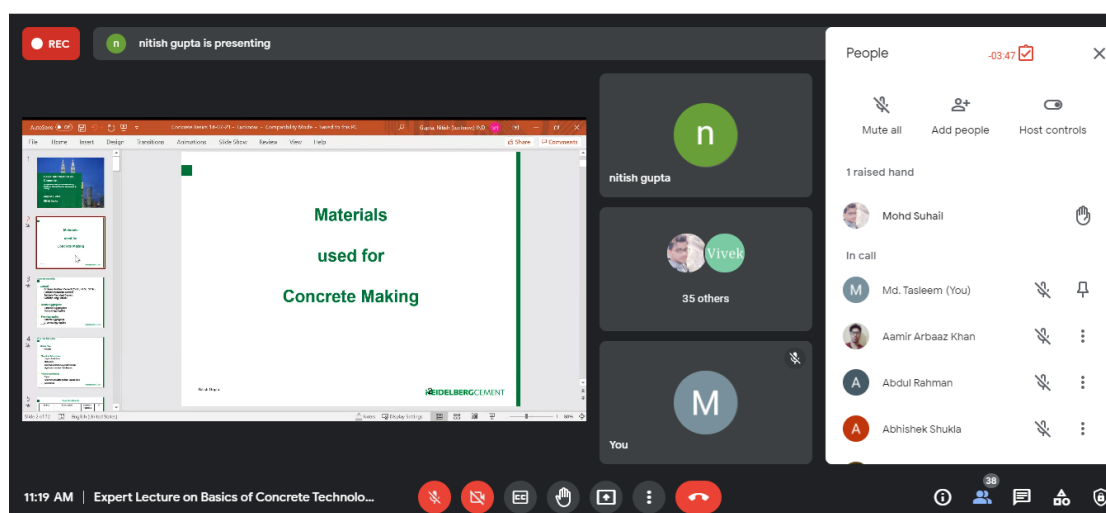
Mr. Nitish Gupta has 20 years of experience in the industry and has worked across various parts of India. Currently, he is working as DGM in Heidelberg Cement India Ltd.

Before the interaction with students a welcome address by Mr. Md Tasleem, Assistant Professor, was delivered on behalf of Head of Department Prof. Syed Aqeel Ahmad.

Mr. Nitish Gupta shared his experience with the students. He discussed about materials used for concrete preparation, types of cement and their uses, supply, storage, properties, sieve analysis, sand screening, washing plant, factor affecting saturation point, benefit of admixtures, high performance concrete, threads to concrete and many more things.

The program was successfully organised with the constant support of Prof. Syed Aqeel Ahmad. The participants appreciated the presentation skills and professional knowledge shared by the expert during the talk.

The session concluded with vote of thanks by Mr. Rajiv Banarjee, Associate Professor, on the behalf of Head of Department. The program was successful due to the active participation of the students.



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Concrete Materials

- Cement
 - Ordinary Portland Cement (33 Gr., 43 Gr., 53 Gr.)
 - Portland Pozzolana Cement
 - Sulphate Resistant Cement
 - Portland Slag Cement
- Coarse Aggregates
 - Crushed Aggregates
 - Natural Aggregates
- Fine Aggregates
 - Natural Aggregates
 - Crushed Aggregates

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Sieve Analysis - CA

20 mm, 10 mm, 4.75 mm

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Sand Screening & Washing Plant

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Factors that Affect the Saturation Point

- Type of Cement
- Water / Cement Ratio
- Presence of Mineral Admixtures
- Mixing Sequence (better to separate the incorporation of water and super plasticizer by at least 1 minute of mixing)
- Temperature

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nitish gupta

Thank you!

18 others

You

People

- Mute all
- Add people
- Host controls

In call

- Md. Tasleem (You)
- Aamir Arbaaz Khan
- Abdul Rahman
- Abhishek Shukla
- Almas Ahmad
- Ankit Kumar Verma

12:47 PM | Expert Lecture on Basics of Concrete Technolo...

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Glimpse of the Expert Lecture (online)