

# **Dr. B. R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR**

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## **Department of Civil Engineering**

### **Report on Expert Talks on 'Soil- Structure Interaction Problems'**

The Department of Civil organized an expert talk on 'Soil- Structure Interaction Problems' on 26<sup>th</sup> April 2019. Dr. Vishwas A. Sawant, Associate Professor, Department of Civil Engineering of the Indian Institute of Technology Roorkee (IITR) was the resource faculty who delivered two lectures on different topics pursuant to the theme of the talk. The programme was co-ordinated by Dr. H.S.Chore and Dr. (Mrs.) S.Rupali.

The talk was inaugurated by lighting the traditional lamp on the dias. Dr. V.A. Sawant was the chief guest while Prof. S. P. Singh, Head of the Department, presided over the function. Prof. Singh felicitated the guest by offering the shawl and the bouquet. Dr. H.S.Chore, Co-ordinator of the talks, in the beginning, presented the outline of the talk.

During his first lecture, Dr. Sawant explained the concept of the soil- structure interaction and emphasized its significance in the context of the interface problem of the field of structural engineering and geotechnical engineering. He explained many formulations of numerical modeling involved in the soil- structure interaction problem.

In this series of the expert talk, Dr. Sawant, in his second lecture, spoke on the 'Pile Foundation'. He explained the classification of the pile foundation w.r.t. loads acting thereon and subsequent, methodologies for analysis and design of the pile foundation. He also discussed the approaches of numerical modeling for the analysis of the pile foundation.

The programme was attended by the Research Scholars, PG and UG students of the Department. Prof. A. K. Agnihotri of the Department of Civil Engineering was the Chief Guest at the valedictory function. Dr. (Mrs.) S. Rupali presented the gist of the lectures delivered by Dr. Sawant and proposed the vote of thanks.

The co-ordinators expressed their deep gratitude towards Prof. (Dr.) L.K. Awasthi, Director for according the permission for organizing this programme; Prof (Dr.) S.P. Singh, Head; Prof. (Dr.) A.P. Singh and Prof. (Dr.) A.K. Agnihotri for their unstinted support and other fellow faculty members for their co-operation.

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