

DEPARTMENT OF CIVIL ENGINEERING
Bharath Institute of Higher Education and Research

REPORT ON
FACULTY DEVELOPMENT PROGRAM ON STRUCTURAL
DYNAMICS AND EARTHQUAKE ENGINEERING
16, 17 and 18th December 2019

The Department of Civil Engineering organized a Faculty Development Programme on “**Structural Dynamics and Earthquake Engineering**” from **16th Dec. to 18th Dec. 2019** at our University Campus.



Dr. R.M. Suresh, Pro VC giving Inaugural address on FDP

The FDP commenced at 10.00 a.m. in the Smart Class Room with invocation followed by an inaugural address by Dr. R.M.Suresh Pro-Voice-Chancellor, BIHER. The programme structure, content and its relevance to structural design aspects was briefed by Dr. A. Mani HOD, Department of Civil Engineering, BIHER.

Welcome address was given by Prof. P. Dayakar, Department of Civil Engineering, BIHER. Twenty nine Faculties from Various Engineering Colleges and Universities participated in the FDP. The Program started with the inaugural session by Dr.A. Krishna Moorthi, Professor/HOD-Civil, Adhiparasakthi Engineering College, Melmarvathur. He focused on the salient features of earthquake design of structures and design application using codal provisions. Earthquake phenomenon was explained with many illustrations which were occurred in various parts of the earth.



Dr.A. Mani HOD- Civil giving Course content of FDP

The presentation also include the after effect of earthquake phenomenon, rebuilding, retrofitting followed in restoration, and rehabilitation of human life and life on earth. The afternoon session focused on, “Base-isolation of structures” and it is covered by **Prof. T. P. Meikandaan**, Professor, Department of Civil Engineering, BIHER, Chennai. The second day session started with codal design provisions and

earthquake resistant design by Mr P.Sachithanantham, Professor, Civil Engineering Department, Sri Lakshmi Ammal Engineering. College.



Prof. .P. Dayakar giving welcome Address



Dr.A.Krishna Moorthi, Professor/HOD-Civil, Adhiparasakthi Engineering College, Melmarvathur



Prof, T.Meikandaan, Prof/ Civil, BIHER,



Prof. P.Sachithanantham, Professor, Civil Engineering Department, Sri Lakshmi Ammal Engineering College

The second day second topic was covered by **Dr. S. J. Mohan**, Professor, Department of Civil Engineering, BIHER, Chennai. In this lecture an

Introduction to free, forced vibration and response was discussed with practical activities we face in our day-to-day life examples were explained.



Dr. S.J.Mohan, Professor, Civil , BIHER

The afternoon session on the second day was started with **Dr. P.Sangeetha**, Associate professor, SSN College of Engineering, on the topic of Seismic Effects on Buildings and Retrofitting.



Dr. P.Sangeetha, Associate professor, SSN College of Engineering.

This high level resource lecture was well received by the participants and many questions were well explained and answered by **Dr. P. Sangeetha**.

The third day fore-noon session was started with a lecture on the topic “Disaster Management and Mitigation” by Dr. R. Venkata Krishnaiah Professor of Civil Engineering, BIHER. He explained about the causes and effect of soil liquefaction during earthquake.

The second lecture on the third day was presented by Dr. S. Senthil Selvan Professor of SRM University, Kattankulathur. The topic covered was “Wind Resistant Design of Tall Buildings”. Prof. Senthil Selvan participated in valedictory function and also distributed the FDP programme certificate to the participants.



Dr. R. Venkata Krishnaiah Professor of Civil Engineering, BIHER



Dr. S. Senthil Selvan Professor SRM University, Kattankulathur.

Many staff members shared their views that the FDP was very useful for enhancing their subject knowledge and to share the same to their students.

A feed-back for this FDP programme were received from the participants. In general the grading was between very-good and excellent

and it was also understood most of the participants are interested in attending such FDP programme in future.



Prof. S.J. Mohan Coordinator of the FDP



Certificate distribution to participant



Certificate distribution to participants



Certificate distribution to participants



Certificate distribution to participant



Chief-Guest with Participants



Presentation of Memento to Prof. P. Sachithanatham



Presentation of Memento to Prof. P. Sangeetha



View of audience

