

Two day seminar on “Advances in Structural Engineering” at Don Bosco College of Engineering Fatorda on 10th & 11th February 2017.



The Civil Engineering Department of Don Bosco College of Engineering successfully organized a Two day seminar on “Advances in Structural Engineering” on 10th & 11th February 2017. The coordinators for the seminar were Prof. Oswyn Soares and Prof.Nadya Baracho.

The workshop began with an inaugural function at 10.00.a.m. Present on the occasion were Chief Guest Shri. Joseph Silveira – Dy. Chief Engineer at Mormugao Port Trust, Guest of Honour Dr. Yogesh Desai – Distinguished Chair Professor of Structural Engineering at IIT Bombay and Dean Administrative Affairs, Fr. Kinley D’Cruz – Director, Don Bosco college of Engineering Fatorda, Dr. Neena Panandikar – Principal, Don Bosco college of Engineering Fatorda, Mrs. Annapurna Sakhardande – Convener of the Seminar, Mrs. Nadya Barcho and Mr. Oswyn Soares-Co-ordinators of the seminar.

In his address, Shri. Joseph Silveira, appreciated the department for organizing a national seminar that would help the consultants and academicians to deliver in a better way. Further speaking on the occasion, Mr. Silveira said that structural engineering is one of the important disciplines of Civil engineering and a structural engineer should be genuine in his design. Director, Rev Fr Kinley D’ Cruz welcomed the gathering and urged the participants to gather and share experience with the distinguished speakers. Principal, Dr. Neena Panandikar in her address mentioned that this seminar will provide a good opportunity to the participants to share and discuss problems of mutual interest in Structural Engineering with eminent speakers from reputed institutions. She applauded the efforts of staff of Civil Engineering Department in organizing this seminar in spite of their busy academic schedule. The function ended with the introduction to Seminar by Prof. Oswyn Soares, Seminar Coordinator.



The seminar was sponsored by M/s. Jai Ganesh Ispat & Ferro Pvt. Ltd., M/s. NRB Group, M/s. B.S. Sukhtankar & Associates, M/s. L&L Builders Pvt. Ltd., Shree building solutions Pvt. Ltd., ACC Concrete Ltd, All in One Services, UPGRADE, A unit of Kakode trading LLP and Shri. P. Bodke

The seminar was delivered by a team of eminent resource persons who shared their expertise from their respective fields and it brought together over 50 participants from various institutes like MIT college- Pune, GIT college- Belgaum, Kakinada Institute of Technological Sciences- Hyderabad, Goa College of Engineering-Farmagudi, Govt Polytechnic- Bicholim, Govt Polytechnic- Panjim, Agnel Polytechnic-Verna and various reputed consulting firms, industry professionals and PG students, GEC, Farmagudi, Goa.

On 10th February 2017, Dr. Yogesh Dessai, Dean Administrative Affairs, IIT Bombay in Civil Engineering and a distinguished Chair Professor of Structural Engineering delivered a talk on “Engineered Materials for Civil Engineering Structural Applications” in which he briefed on the use of FRP composites in repair, strengthening and new construction and stressed on carrying out both experiments and complementary theoretical investigations essential for arriving at a practical solution. The lecture was followed by a commercial presentation by JSW TMT.

Mr. Ashwin U., Scientist, Dynamics and Adaptive Structure National Aerospace Laboratories CSIR, shared information on “Vibration Control & Health Monitoring using Piezo-Transducers”. He explained effective monitoring of debond and breakage conditions, health monitoring of surface-mounted piezoelectric transducers based on VAS, transducer length and proposed that bonded area on VAS is exploited for monitoring transducers

Dr. Bhavana Patel , Assistant Professor, RV College of Engineering, Bengaluru, delivered her lecture on “Mesh Free Method”. She provided information on Finite Difference Method (FDM), Boundary Element Method (BEM), Finite Element Method (FEM), and Extended Finite Element Method (XFEM). She focused on the pros and cons of FEM and Mesh Free Method and also explained effective use of Mesh Free Method.

On 11th February 2017, expert speaker, Dr. Babu Narayan, Professor, Department of Civil Engineering, NITK, Surathkal, enlightened on “Multi Hazard Resistant Design” from his personal experience. He highlighted on mitigation of vibration in multistory structures, wind-

structure Interaction, analytical and experimental investigation of wind induced oscillations of a steel chimney, base isolation systems. He also urged on need to take care of new security threats and introduced advanced analytical tools.

Dr. A. S. Balu, presented on “Uncertainty analysis in Structural Engineering”. There was also a commercial presentation on “Concrete-Value Added Products”.

The seminar concluded with presentation by Dr. Sanil Kumar, Scientist, Ocean Engineering Division, CSIR-National Institute of Oceanography, (Council of Scientific & Industrial Research), Dona Paula, Goa who highlighted on “Uncertainty in evaluation of design wave parameters for offshore structures”. He delivered a talk on influence of mooring and selection of frequency range in data analysis on the wave parameters and emphasized that the selection of appropriate probability distribution is of importance for the estimation of the return period values of the wave height.

The Valedictory function was held on 11th February 2017 at 3:30 pm. The Chief Guest for the function was Dr. Sanil Kumar, Scientist, Ocean Engineering Division, NIO, Dona Paula, Goa. Prof. Nadya Baracho presented a brief report of the seminar. Various participants shared their feedback and experience during the course of seminar. Fr. Kinley D’Cruz, Director, Don Bosco College of Engineering Fatorda, Dr. Neena Panandikar, Principal and the Chief Guest distributed the certificates to the participants. The vote of Thanks was delivered by Prof. Annapurna Sakhardande, Assistant Professor DBCE and Convener of the seminar. The seminar provided an interactive atmosphere between the resource persons and the participants and was well appreciated by the participants.