

Seminar on “Digital signal Processing - Mechanical Sciences”

Speaker: Dr. Kaluri V Ranga Rao (Principal consultant TechMahindra, Hyderabad)

Venue: Room No 219, School of Mechanical Sciences, IIT Bhubaneswar

Date: 09th August 2019 (Friday) Time: 3.00 P.M. to 4.30 P.M.

School Seminar Coordinator (Dr. Yogesh G Bhumkar) welcomed the participants followed by brief introduction of the speaker. Large number of research scholars and M. Tech students gathered to listen to the talk. Dr. Kaluri welcomed the audience and started the seminar with PHYLLOTAXY OF DSP. He revisited some important concepts in digital signal processing and later modulated his talk towards detection and estimation. During the course of his talk he emphasized the importance of linear algebra, differential equations, difference equations, time series analysis, real and complex analysis, probability theory for deeper understanding of multi-variate calculus together with optimization. He presented some of the latest development in the field of applications in mechanical systems including direction finding, fluid flow measurement and radar in automotive etc.

The seminar concluded with the Dr. Venugopal A. felicitating the speaker with a memento of appreciation.

Biography of Speaker:

Dr. Kaluri V Ranga Rao is an esteemed researcher working predominantly on advanced signal processing of late related to various fields in mechanical engineering. He possesses a mix of academic and industrial research in various organizations like DRDO, IIT, Delhi, GE, Tanla Solutions, Satyam, INEDA Systems, GMR, TechMahindra. He was a former senior scientist and DRDO principal investigator for various DRDO projects. He has developed several advanced signal processing techniques for RADAR, Speech, Flow measurement and Vibrations.

