

3.4.4 Details of books and chapters in edited volumes / books per teacher during the year



Recent Advances in Machines and Mechanisms pp 79–96

A Review on Frequency Domain Analysis Approach for Parametric Identification of Nonlinear Joints

[Faisal Hussain](#)  & [Sanjay Ingole](#)

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Abstract

Structural joints are regarded as a potential source of nonlinear behavior. Parametric identification of joint properties is an important task in predicting the dynamic characteristics of mechanical and structural joints. The objective of this research survey is to present frequency domain dynamic analysis method for nonlinear system parametric identification in structural dynamics and the key developments in this area of research. Finally, identification of findings is done which provides a pathway for the future direction of research work in this area.

Keywords

Nonlinear joints

Parametric identification

Dynamic analysis

Frequency domain analysis



Chapman & Hall/CRC Blockchain for Smart and Green Society

BLOCKCHAIN FOR SMART SYSTEMS

COMPUTING TECHNOLOGIES AND APPLICATIONS

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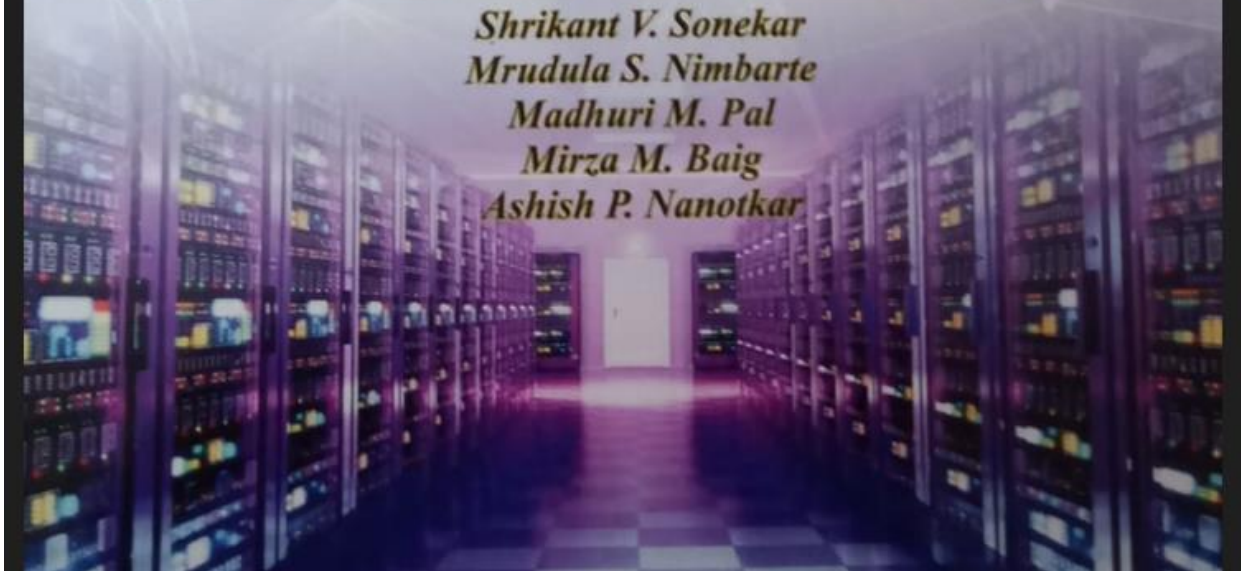
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AN APPROACH TO DATABASE MANAGEMENT SYSTEMS



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ABOUT THE BOOK

In today's competitive era, the database systems play a very important role in any organization. The deployment of database is the requirement of time and it is very difficult to find any organization without the deployment of database systems. While studying the computer domain subjects, the students realize that the study of computer domain is multilayered. For this reason, the database systems have been recognized and acknowledged as one of the core subjects. As the electronics market grew, a number of databases emerged and the majority of the systems are in commercial use. If we track the evolution of database systems right from the ancient time to the modern era, there is a huge updation in every aspect of database, indexing, storage and retrieval process. Data and maintaining the database is the crucial part of any organization. In-depth knowledge of the database systems subject is must to all the students of computer domain. It is somewhat difficult to gain good expertise in databases without the in-depth knowledge of some of the topics. In order to understand the concept of database in lucid language, the authors have tried to give utmost priority to the basic concepts and explained all the concepts with examples. The book is divided into six chapters and the authors have tried to cover all the basic concepts from diploma and degree point of view. The book is written in lucid language wherein systematic approach for queries, numericals and examples has been incorporated.

The book helps the students from computer domains who want to clear the database concepts and develop the database skills, study the subject with great interest and clear all their doubts. The book is intended for the under graduate B.E./B. Tech, BSe, BCA and diploma students pertaining to computer and Information Technology domain. The topics in the book have been systematically elaborated for better understanding. The authors have tried to cover all the basics of database management systems; the book is for the introductory level of the knowledge of the subject.



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