HIGH SPEED NETWORKS

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PREFACE

The importance of "**HIGH SPEED NETWORKS**" is well known in various Engineering fields. This book covers the importance of High Speed Networks and recent trends in High Speed Networks.

High Speed Networks is becoming a necessary skill for many professions. Building high speed computer Networks is essential to solve complex Science and Engineering requirements. Computer Networks is one of the most popular domain because it is widely used in all applications.

This book represents an effort to develop a simple understanding of networking through high speediness, which encapsulates the high speed nature of networks and two fundamental observations that underlie every network design, and the identification of the fundamental attributes of networks.

High speediness may be used to classify and compare existing networks. The high speediness factor may also constitute a desirable, target network operating point, which the network provider may choose to sustain during network operation by imposing suitable controls.

We have divided this book into five chapters, where the first four chapters explains the basics and working of High Speed Networks and the last chapter explains the recent trends.

The main aim of this book is to make the students to understand the concepts easily. This book makes the understanding of subject in a clear way and makes it more interesting.

✍ *R. Gayathri*

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✍ *Ms.R. Gayathri*

✍ *Dr. N. Satish*

✍ *Mr. K. Thirunavukkarasu*

Thirumigu. M.G.BHARATHKUMAR
Founder & Chairman, Mahendra Educational Trust

Forward

"Computing in their capacity as a tool, computers will be but a ripple on the surface of our culture. In their capacity as intellectual challenge, they are without precedent in the cultural history of mankind".

-Edsger Dijkstra, 1972 Turing Award Lecture

Information Technology as an academic discipline has evolved to embrace a set of intellectual challenges on a par with other sciences. This fact, combined with the undeniable impact of Information Technology on the modern world, demands an introductory college text book comparable with commonly-used textbooks in physics, chemistry, or biology. Accordingly, this book is intended to meet the need for an introductory college text in Inofrmation Technology. The distinctive feature of the book is that it has broader coverage of the field than is found in many texts that are currently in use.

I am delighted to note that the HOD of Inofrmation Technology of Mahendra College of Engineering, Dr. N. Satish along with his faculty members Ms. R. Gayathri and Mr. K. Thirunavukkarasu have written this book on "HIGH SPEED NETWORKS" nicely, for the benefit of student community. They have accomplished this goal, and I trust their work will encourage and enlighten all who have an interest in computers, computer science and the growing role on information and computer technology in the modern world.

M.G.BHARATHKUMAR
Founder & Chairman, Mahendra Educational Trust

Dedicated

to

Our Family, Friends &

Students

CONTENTS