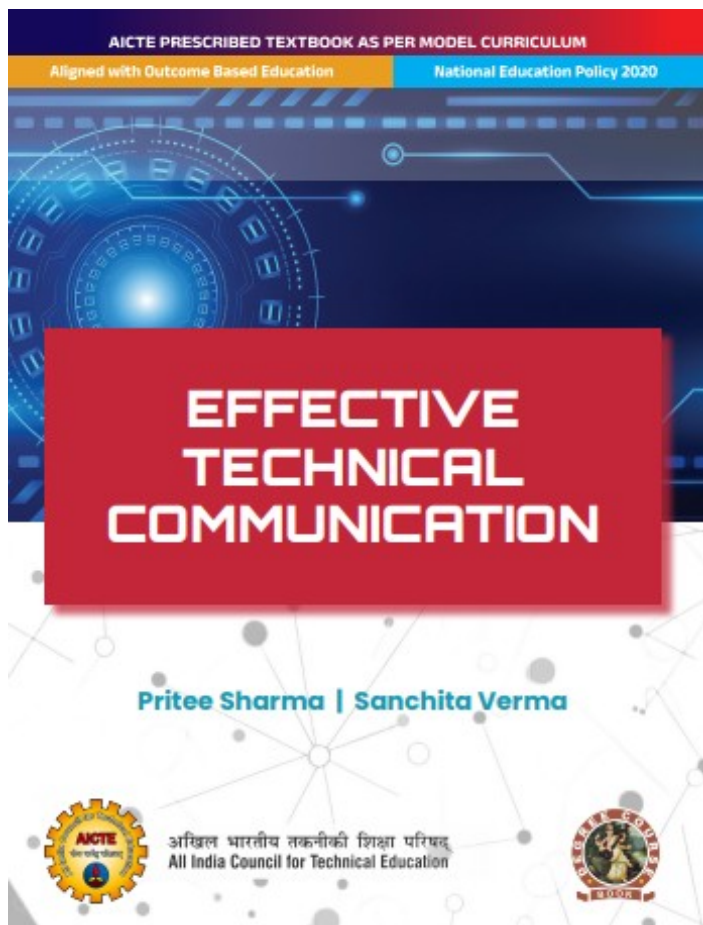


## Computer Networks: Theory & Practicals

<b>Author :</b>	Brijendra Pratap Singh
<b>ISBN 13 :</b>	978-93-55383-13-6
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<b>Country Origin :</b>	India

### Product Description

Computer Networks: Theory & Practicals



## Effective Technical Communication

<b>Author :</b>	Pritee Sharma
<b>ISBN 13 :</b>	978-93-55387-86-8
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<b>Publisher :</b>	Khanna Publishing House
<b>M.R.P :</b>	Rs 348.00
<b>Categories :</b>	<a href="#">AICTE Prescribed Textbooks,</a> <a href="#">English Books</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

## Product Description

**Effective Technical Communication** This book is a comprehensive guide into the sphere of technical communication. In the contemporary time, the workplace has become global, and communication is increasingly becoming more challenging and complex. This book serves as an essential guide to understand and develop technical skills in organizational communication. Starting with the basics of communication process, this book delves into business communication, e-correspondence and various facets of planning and preparing a document for technical communication purposes. Salient Features:

- Detailed alignment of content with course outcomes, program outcomes and specific unit outcomes
- each unit begins with clear learning objectives and pre-reading activity, preparing the reader to acquire necessary skills and knowledge.
- The book is enriched with latest information, interesting facts and QR codes linking to valuable e-resources for further information.
- An interesting blend of student and teacher centric materials, presented in a logical and coherent manner.
- Appropriate use of figures, tables and formats for better understanding of the concepts.
- Know more sections in each unit, encouraging readers to explore beyond the standard syllabus.
- Exhaustive exercises including MCQs and subjective questions provided at the end of each chapter.
- This book is not just an academic tool, but a bridge to the contemporary professional world of technical communication making it a must have anyone stepping into the realm of organizational communication.



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## Table of Contents

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Foreword Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines for Teachers Guidelines for Students List of Figures, Tables and formats

- Introduction to the Essentials of technical communication
- Routine technical communication
- E-communication
- Planning and preparing documents for technical communication

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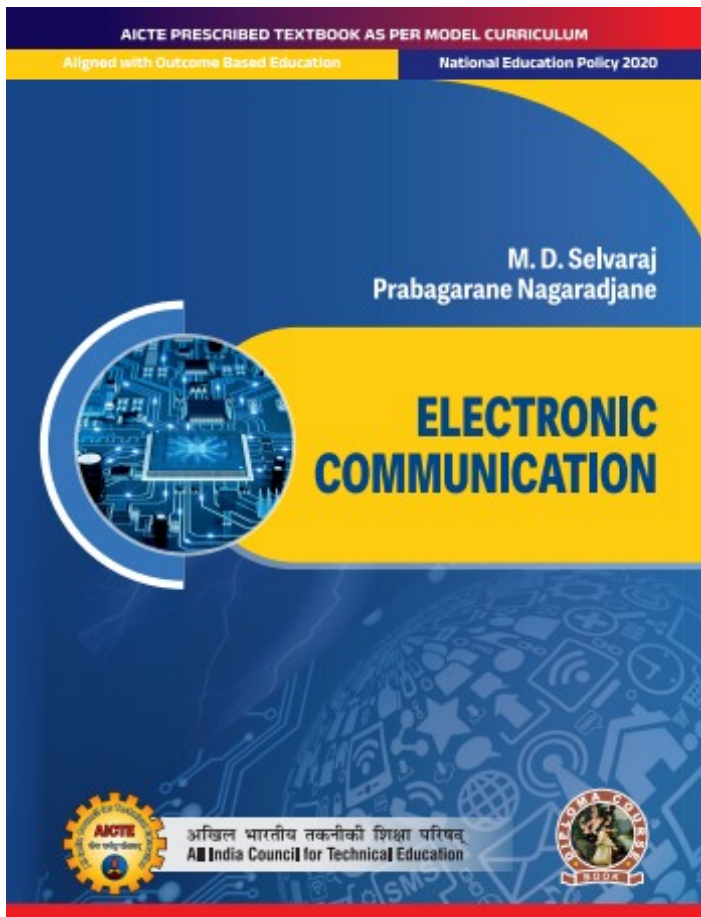
## Author

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**Prof. Pritee Sharma** Professor School of Humanities and Social Sciences IIT Indore **Dr. Sanchita Verma** Assistant Professor Adjunct (Former) School of Humanities and Social Sciences IIT Indore

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## Electronic Communication

<b>Author :</b>	M. D. Selvaraj
<b>ISBN 13 :</b>	978-93-55382-69-6
<b>ISBN 10 :</b>	93-55382-69-3
<b>E-ISBN 13 :</b>	978-93-55382-69-6
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<b>Categories :</b>	<a href="#">AICTE Prescribed Textbooks,</a> <a href="#">English Books</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

## Product Description

**Electronic Communication** In an era dominated by rapid technological advancements in the next generation of mobile communications, mastering the fundamentals of communication engineering is essential for students. This book, 'Electronic communication' thoroughly explores key concepts, theories, and applications in the communication engineering field. Furthermore, this comprehensive guide covers a gamut of topics in communication engineering from fundamental principles to advanced techniques that provide a structured approach to comprehending communication engineering concepts for students or teachers seeking to enhance their expertise. Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- At the end of each chapter, short questions, objective questions and long answer exercises are given for the students to practice.
- problems including numerical examples are solved with systematic steps provided.

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- Amplitude and frequency modulation
- Pulse analog modulation
- PCM and delta modulation systems
- Digital modulation
- Spread-Spectrum modulation



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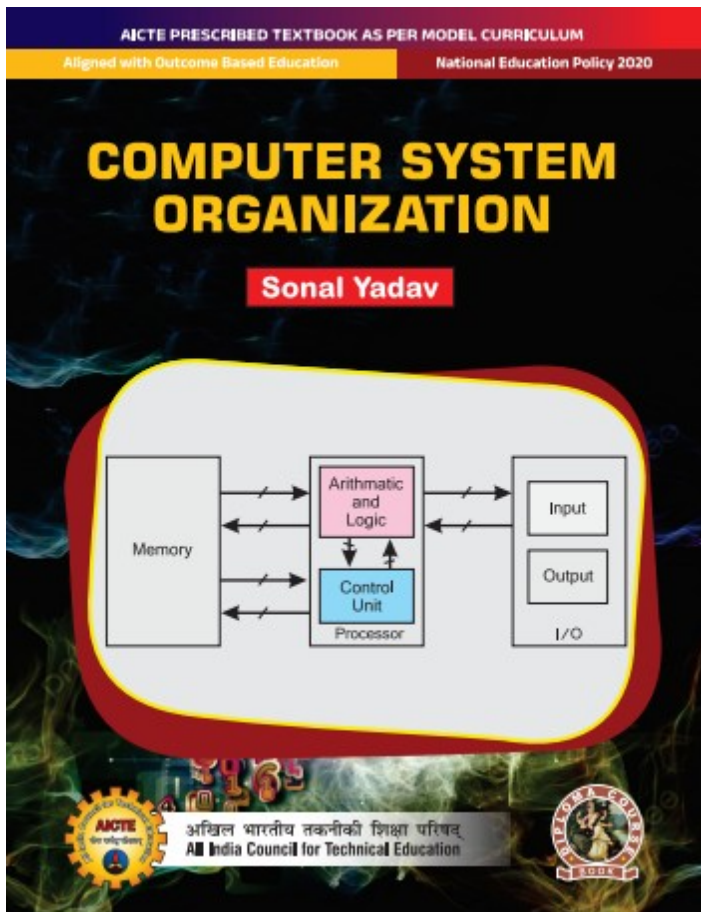
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## Computer System Organization

<b>Author :</b>	Sonal Yadav
<b>ISBN 13 :</b>	978-93-55387-71-4
<b>ISBN 10 :</b>	93-55387-71-7
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<b>Categories :</b>	<a href="#">AICTE Prescribed Textbooks, English Books</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

## Product Description

**Computer System Organization** The key concepts of computer system organization are covered in this book. All the fundamental concepts of computer structures, control unit design arithmetic operations, microprocessor architecture. Assembly language programming, and memory interfacing with input-output devices are covered in the book. This book combines theoretical knowledge with practical applications. It also presents state-of-the-art experiments using Verilog HDL language, 8086 microprocessor, NASM assembler, and Gem5 simulator. Each topic can be studied further to advance levels by scanning QR codes provided in the chapters. This book is written for diploma and undergraduate students of CSE, IT, ECE, and MCA to strengthen the ability to analyze and solve simple to complex computer system organization problems. In 'know more' section, notable Indian inventors as well as rich Indian Vedas knowledge and fundamental principles are presented for motivating readers to practice our valuable principles in modern lifestyle. Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.



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2. Micro Programmed Control
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4. Assembly Language Programming
5. Memory and Digital Interfacing

References for Further Learning CO and PO Attainment Table Index

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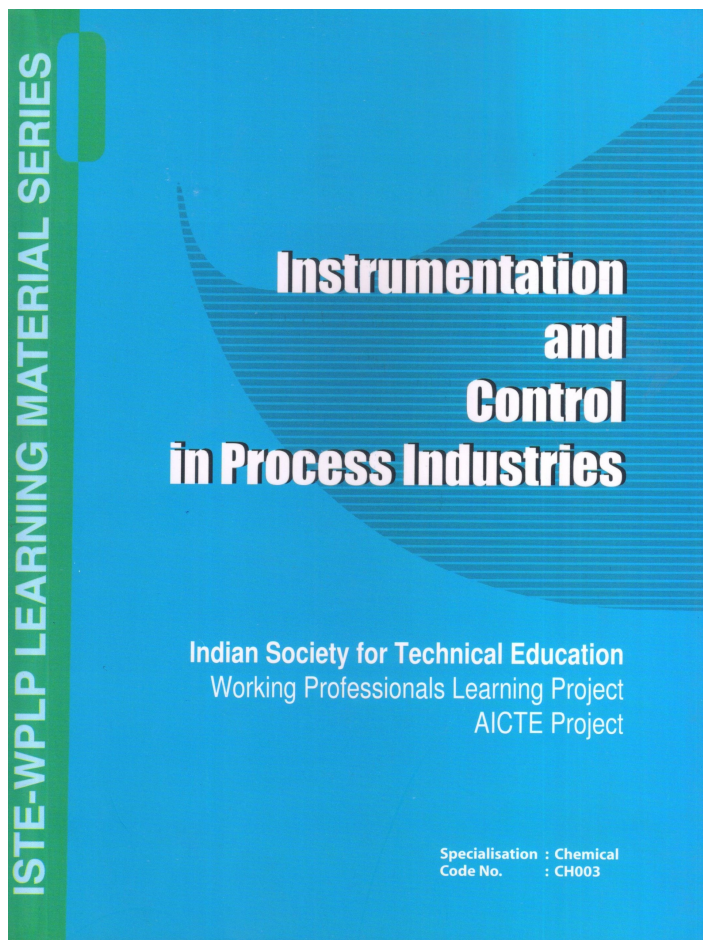
## Author

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**Dr. Sonal Yadav** Assistant Professor Dept. of Computer Science & Engineering (CSE) National Institute of Technology Raipur, Chhattisgarh

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## Instrumentation And Control in Process Industries

<b>Author :</b>	P. N. Singh
<b>ISBN 13 :</b>	978-93-55384-77-5
<b>ISBN 10 :</b>	93-55384-77-7
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<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

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## Product Description

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Many case studies related to instruments and controllers in operating plants are covered. Chapter-1 covers the basic principle of control, various technical terms used in control, classification of control system, rudimentary knowledge on pneumatic, hydraulic and electronic controllers. It is expected that by the end of covering these topics, people will be well familiar with technical jargons used by control engineers, why should there be automation, why process industries keep on investing very substantial amount to the extent of 20 to 30% of their plant outlay on instrumentation and control. Chapter 2- present a brief description of various types of instruments used in various industries. Chapter-3 lays emphasis on dynamic behavior of process measuring instruments and other peripherals, response of open loop and closed loop systems, stability, controller tuning, estimation of transfer functions and system parameters in operational plants, determining optimum controller setting for best operation of plants and few case studies. Chapter 4- covers the scheme of operations and strategies to be followed while introducing controllers in plants. It is expected that by the end of covering these topics, operating personnel will know theoretical basis of many operations on controllers that are being carried in plants, how some emergency measures are to be taken when the behavior of plant operations are not satisfactory.

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**Chapter 2:** Measurement and Final Control Element.

**Chapter 3:** Process Dynamics and Controllers Design.

**Chapter 4:** Applications of Control Schemes.

### Appendix

### A Simple Glossary

### References



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## Authors

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The first author of this learning material, Dr. P. N. Singh is the Director (Retired), National Institute of Technology Karnataka, Surathkal. He is basically a Chemical Engineer and has over decades of experience in teaching and research related to processes industries. The coauthor, Mr. S. R. Bhat, is presently working as Group General Manager (Instrumentation) at Mangalore Refinery and Petrochemicals Limited, Mangalore. He graduate in Chemical Engineering from Indian Institute of Technology, Chennai. Atomic Research centre, for seven years. Later he worked for Humphreys and Glasgow Consultants, for three years. He ha also worked for Uhde India Limited, for seven years. For the last sixteen years, he has been working for Mangalore Refinery and Petrochemicals in various capacities. He has introduced many innovative ideas in running the process plants, particularly in the areas of instrumentation and control.

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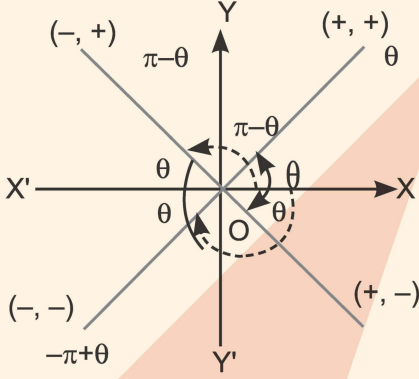


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# ಗಣಿತ-1



ದೀಪಕ್ ಸಿಂಗ್

## Mathematics-I

<b>Author :</b>	Deepak Singh
<b>ISBN 13 :</b>	978-93-91505-77-6
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“Mathematics-I” is included as a paper for the first year Diploma program. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is combined with the concept of outcome-based education. Book cover five Units Trigonometry, Functions and Limit, Differential Calculus, Complex numbers and partial Fraction, Permutation and Combination and Binomial Theorem. In every unit each topic is written in easy and lucid manner. A set of exercise at the end of each unit is clubbed to test the student’s comprehension. Some salient features of the book: 1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes. 2. Book provides lots of real-world applications, interesting facts, QR Code for E-resources, mini projects, curiosity topics, sample specification table etc. 3. Students and teacher centric subject materials included in book with balanced and chronological manner. 4. Figures, tables and mathematical equations are inserted to improve clarity of the topics. 5. Short questions, objective questions and long answer exercises are given for practice of students after every chapter. 6. Comprehensive synopsis of formulae for a quick revision of the basic principles.

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**References for Further Learning CO and PO attainment Table Index**

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