

## Systems Analysis and Design

**Author :** Ikvinderpal Singh

**ISBN 13 :** 978-93-82609-26-1

**ISBN 10 :** 93-82609-26-1

**E-ISBN 13 :** 978-93-82609-26-1

**Edition :** 1

**Pages :** 632

**Type of book :** Paperback

**Weight (g) :** 853.00

**Year :** 2014

**Language :** English

**Publisher :** Khanna Publishing House

**Price :** Rs 280.00

**Categories :** [All book](#), [Computer Science Engineering](#)

**Condition Type :** New

**Country Origin :** India

### Product Description

Systems analysis and design (SAD) is an exciting, active field in which analysts continually learn new techniques and approaches to develop systems more effectively and efficiently. However, there is a core set of skills that all analysts need to know no matter what approach or methodology is used. All information system projects move through the five phases of planning, analysis, design, implementation and maintenance; all projects require analysts to gather requirements, model the business needs, and create blueprints for how the system should be built; and all projects require an understanding of organizational behavior concepts like change management and team building. This book captures the dynamic aspects of the field by keeping students focused on doing SAD while presenting the core set of skills that we feel every systems analyst needs to know today and in the future. It also builds on our professional experience as systems analysts and on our experience in teaching SAD in the classroom.



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + 91-99109 09320

---

## Table of Contents

---

Chapter 1: System Analysis & Design Chapter 2: System Development Life Cycle Chapter 3: Requirement Analysis & Problem Definition Chapter 4: Feasibility Study Chapter 5: Information Gathering Chapter 6: Cost Benefit Analysis Chapter 7: System Analyst Chapter 8: Input & Output Design Chapter 9: System Design: Modular Approach Chapter 10: System Design:Structured Approach Chapter 11: Object-Oriented Design Chapter 12: User-Interface Design Chapter 13: Coding & Documentation Chapter 14: System Testing Chapter 15: System Testing Strategies Chapter 16: System Quality Chapter 17: System Maintenance & Supports Users

---

## Author

---

**Ikvinderpal Singh** Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.

---



AICTE अनुशंसित पाठ्यपुस्तक - मॉडल पाठ्यक्रम के अनुसार

परिणाम आधारित शिक्षा के साथ संरेखित

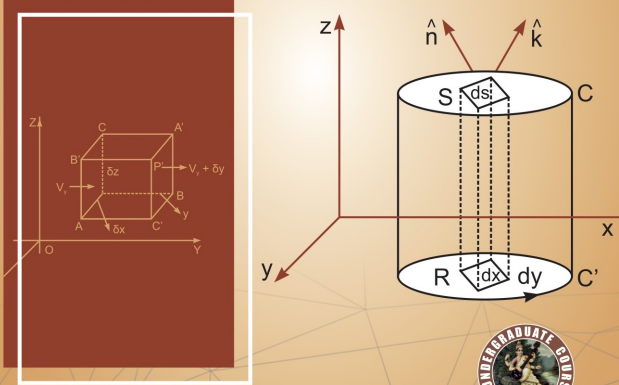
राष्ट्रीय शिक्षा नीति 2020

Vol. I

# गणित-I

(कलन एवं रैखिक बीजगणित)

कंप्यूटर विज्ञान एवं इंजीनियरिंग ब्रांच के अतिरिक्त



रीना गर्ग

## Mathematics I Calculus and Linear Algebra [For Non Computer Science Engineering Branches] (Hindi)

Author : Reena Garg

ISBN 13 : 978-93-55381-57-6

ISBN 10 : 93-55381-57-3

E-ISBN 13 : 978-93-55381-57-6

Edition : First

Pages : 632

Type of book : Paperback

Weight (g) : 845.00

Year : 2023

Language : Hindi

Publisher : Khanna Publishing House

Price : Rs 558.00

Categories : [AICTE Prescribed Textbooks](#), [All book](#), [Hindi Books](#)

Condition Type : New

Country Origin : India



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

## Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1<sup>st</sup> year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

## Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.
- Emphasis on the applications of concepts and theorems.
- 



---

## Table of Contents

---

Foreword

Acknowledgement

Preface

Outcome Based Education

Course Outcomes

Abbreviations and Symbols

List of Figures

Guidelines for Teachers

Guidelines for Students

1- Calculus-I

2- Calculus-II

3- Sequences and Series

4- Multivariable Calculus -I

5- Matrices

Index

CO and Po Attainment Table.

---

## Author

---

**Reena Garg** Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers. She has published more than 10 research papers in various International Journals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p>

---



**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: [contact@khannabooks.com](mailto:contact@khannabooks.com) | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320