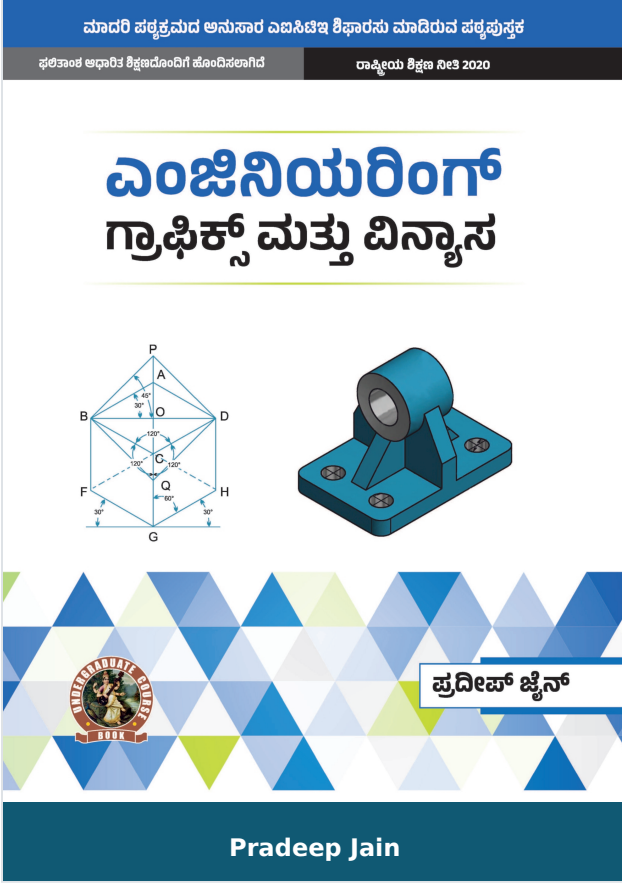




Engineering Graphics & Design |

Author : Pradeep Jain

ISBN 13 : 978-93-91505-62-2

ISBN 10 : 9391505627

E-ISBN 13 : 978-93-91505-62-2

Edition : 1

Pages : 268

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Kannada Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples.

Salient Features:

1. Introduction of Engineering Drawing.
2. Orthographic Projection.
3. Projection of Solids.
4. Section of Solids and Development of Surfaces.
5. Isometric Projection.
6. Overview of Computer Graphics.
7. CAD Drawing.
8. Solid Modelling.
9. Team Design Project.

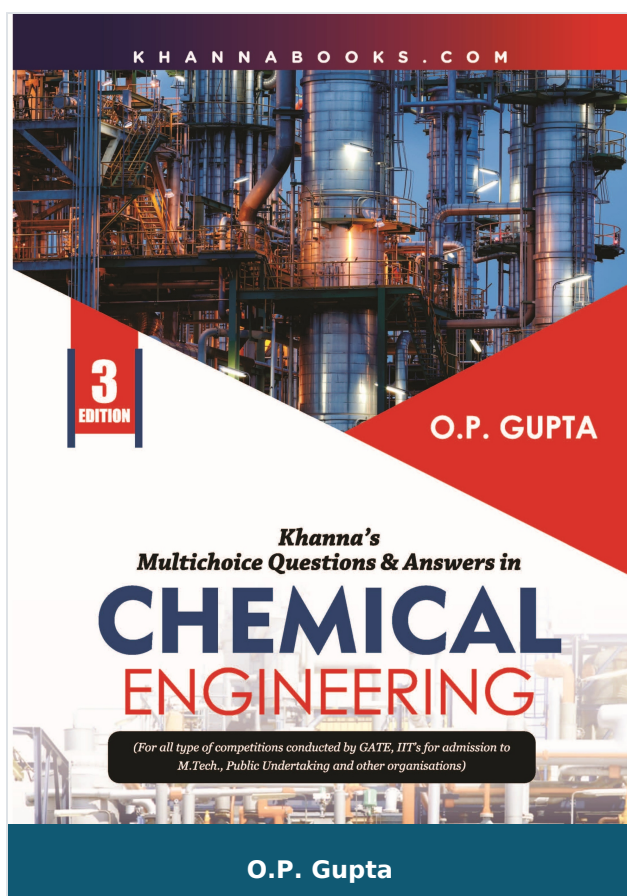
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- Guidelines for Students
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- Isometric Projection
- Overview of Computer Graphics
- Customisation & CAD
- Annotation Layers and 3D Modelling
- Projects
- Reference
- CO and Po Attainment Table
- Index.

Author

Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field.



Khanna's Multi-Choice Questions and Answers in Chemical Engineering

Author :	O.P. Gupta
ISBN 13 :	978-93-55384-38-6
ISBN 10 :	9355384386
E-ISBN 13 :	978-93-55384-38-6
Edition :	3
Pages :	1100
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 565.00
Categories :	OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House

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

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

Product Description

This book designed comprehensively for chemical engineering graduates for their academic program, various competitive examinations & GATE examination will serve as a ' Handbook of chemical Engineering'. It contain MCQ's drawn from the examination papers of various engineering college & GATE examination papers fully solved from 1990to 2025. Following subjects of chemical engineering have been covered for college examinations, competitive examinations & GATE examinations.

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- Heat Transfer
- Mass Transfer
- Process Control and Instrumentation
- Chemical Engineering Thermodynamics
- Chemical Reaction Engineering and Reactor Design
- Fuels and Combustion
- Materials of Construction
- process Equipment Design
- Chemical Engineering Economics
- Nuclear power Engineering
- Furnace Technology
- Refractory Technology
- Environmental Engineering
- Polymer Technology
- Miscellaneous Question
- Section-II (Chapter wise GATE Questions & Answers From 1990 to 2010)

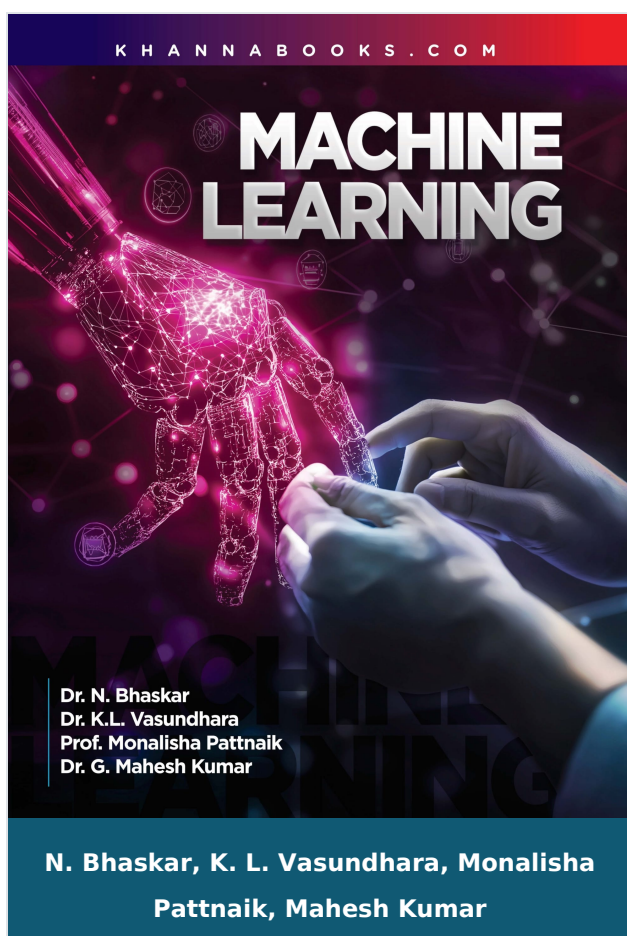
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- Fluid mechanics
- Heat Transfer
- Mass Transfer
- Chemical Reaction Engineering
- Chemical Engineering Thermodynamics
- Process Control and Instrumentation
- Mechanical Operations
- Transport Phenomena
- Chemical Technology
- Chemical Engineering Plant Economics
- Process Equipment & Plant Design
- Dimensionless Numbers
- Materials of Construction
- Chemical Engineering Fundamentals
- Section -III (Interview Questions & Answers)
- Interview Questions & Answers
- Section-VI (Year wise GATE Questions & Answers From 2011 to 2021)
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- GATE-2014
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- GATE-2016

- GATE-2017
- GATE-2018
- GATE-2019
- GATE-2020
- GATE-2021

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



Machine Learning

Author : N. Bhaskar, K. L. Vasundhara,
Monalisha Pattnaik, Mahesh
Kumar

ISBN 13 : 978-93-55384-98-0

ISBN 10 : 9355384980

E-ISBN 13 : 978-93-55384-98-0

Edition : 1

Pages : 242

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 498.00

Categories : [Emerging Technologies, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

- 1.To provide Knowledge on Probability distributions.
2. To study the algebra and its uses in solving Eigen value problems and single value decomposition problems.
3. To explain the concepts in number theory.
4. To predict a probability distribution over a set of classes given an observation of input, instead of simply outputting the most likely class to which the observation should belong.
5. The objective of a simple regression course is to teach students the fundamental concepts and techniques of regression analysis, focusing on models with one independent variable.
6. This includes understanding the assumption of regression, interpreting regression coefficients, assessing model fit, making predictions and using regression for inference and hypothesis testing.
7. Support Vector Machine Terminology.
8. Unsupervised Machine Learning and Divisive clustering.
9. EM Algorithm in Machine Learning (Expectation- Maximization).
10. Emphasizes Decision Trees with Pre -Pruning and Post -Pruning Techniques. Showcases Random Forest and its Applications.
11. Explore various types of perceptron and Neural Networks. Details Convolutional Neural Networks with Step- by- step Implementation.
12. Examines Recurrent Neural networks including their Types, Architectures and Applications.

13. Delves into K -Nearest Neighbors, Learning Locally Weighted Regression Learning and Radio Basis Function.

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- Probabilistic Learning- Classification.
- Linear Models for Regression.
- Classification: Decision Tree and Random Forest Models.
- Decision Tree.
- Neural Networks.
- Instance-Based Learning.
- Combining Classifiers.
- Support Vector Machine.
- Support Vector Machine.
- Unsupervised Learning.
- Index

Author

N. Bhaskar

Dr. N. Bhasker, Head & Assist. Professor, Dept. of Computer Science take pleasure to express my sincere thanks to my research supervisor Prof. MV Murthy, Former Head and BOS Chairman, Dept. of Mathematics and Computer Science, Osmania University, Hyderabad. It is my immense pleasure to associate with Prof. MV Ramana Murthy and his continuous guidance and task oriented mind setup to complete tis ask very soon. I am also thankful to Bhavan's Vivekananda College of Science Humanities and Commerce, Management, Principle-Dr. GSVRK Choudhary, Mrs. KVB Saraswathi Devi for given me the support and encouraging me to achieve goals successfully. I co-authored books on "Computer Fundamentals", Data Science with Machine Learning using R. Dr. K. L.

Vasundhara, HOD & Assoc. Professor, Dept. of Mathematics, Thank my Mentor Prof. M. V. Ramana Murthy (Former Head and BOS Chairman, Dept. of Mathematics and Computer Science, OU, Hyderabad) for his guidance, time, ideas and help. I am greatly indebted to Sri Krishna Rao (Correspondent, Stanley College of Engineering and Technology for Women, Hyderabad) for his support. It is imperative on my behalf to remember my behold Mother Late Smt. K. Varalakshmi and my Father-in-Law Late Sri. Yerasuri Gopala Krishna Murthy for their divine blessings. Recipient of "UTTAMA ADYAPIKA AWARD" 2022, "JYSTA ACH ARNA AWARD" 2024 and authored 16 papers in various National & International Journals, Co- authored books on " Engineering Mathematics-IV", "Data Science with Machine Learning using R". AICTE nominated expert for Data Analytics and having 6 Patents. Prf. Monalisha Pattnaik, currently serving as the Head of Department in the Department of Statistics, at Sambalpur University holds her D.Litt. in Supply Chain Management from Sambalpur University and her Ph.D. in Operations Research from Utkal University. Additionally, she holds the position of Deputy Director of the Research and Development Cell, at Sambalpur University. Apart from that, she actively conducts training programs, and seminars, and delivers talks at Faculty Development Programmes conducted by HRDC. In association with the mentioned, she is an avid researcher and has devoted her time to urging young minds into research. Her dedication to research is evident from her extensive list of publications in reputed international and national journals. Prof. Pattnaik boasts an impressive publication record with over 50 papers indexed in SCOPUS and WoS. In addition to her articles, Prof. Pattnaik as authored eight books, edited five books of international repute, and contributed numerous book chapters, solidifying her expertise in her fields of interest. As a highly regarded reviewer for prestigious publishers such as Elsevier, Taylor & Fracies, IEEE Access, and Springer, she actively contrributes to the academic community. She has an active role to play as a Member of the Editorial Board of reputed international journals. She is also associated with independent projects conducted by both Govt. of India and Govt. of Odisha. Presently, she is associated with Sambalpur University funded project bases on Predictive

Analytics. In her 16 years of teaching experience, she has covered topics such as Artificial Intelligence, Bibliometrics, Advanced Operations Research, Financial Security Analysis, Co-integration, ARIMA Modelling, Production and Operations Management, Security Analysis and Portfolio Management, Logistics and Supply Chain Management, Optimization Techniques, Research Methodology, and Advanced Multivariate Analysis. Her name has been included as an active reviewer in the online library of reputed international journals such as British Academy of Management and John Wiley & Sons Ltd. One of her article published in the journal Statistics Optimization and Information Computing has been included in the CAM-Digest Magazine, China. She has been getting invitation for conducting track chair session of international conferences in South Korea, Bangkok and France(Online). Recently, she has development a new algorithm of Transportation Problem and it is published in a reputed journal of Log Forum, Poland. She has published a case study which is available online in an academic website "studymode.com". Very recently, she has published three preprints on COVID-19 in the medRxiv org. USA, the preprint server health sciences, world reputed free online archive and distribution server for complete but preprints in the medical, clinical, and related health sciences. With a notable number of citations, an h-index of 14, and an i10-index of 26 from 2018 until the present, Prof. Pattnaik continues to be a prominent figure in the academic and research world, contributing her vast experience. Her work was acknowledged in the AD Scientific Index 2024, a prestigious "JYESTA ACHARYA AWARD"2021-2022, All India Level on 4th Dec organized by "Bharat Education Excellence Awards-2022" team of Skill, Swadesh, LACE, Brainovision, Cito Health Care & Lions Club, Hyderabad. She has also the recipient of the "Distinguished Woman Researcher in Operations Research", (OPERATIONS RESEARCH -2024 (Management)) by Venus International Women Award: Chennai, Tamil Nadu, India. Dr. G Mahesh Kumar holds the position of Assistant Professor, Department of Computer Science, Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, Secunderabad, Telangana, India. He has done his Ph.D. in Computer Science & Engineering from JNTU Hyderabad. He

has done his Masters in Information Systems, M. Tech (CSE) from Osmania University. He has qualified UGC-NET in Computer Applications. He has presented papers in national and international conference. He has published research papers international and national journals. He has published one patent. His research areas include Grid Computing, Cloud Computing, Internet of Things, Blockchain Technology, and Machine Learning.

K. L. Vasundhara

Dr. N. Bhasker, Head & Assist. Professor, Dept. of Computer Science take pleasure to express my sincere thanks to my research supervisor Prof. MV Murthy, Former Head and BOS Chairman, Dept. of Mathematics and Computer Science, Osmania University, Hyderabad. It is my immense pleasure to associate with Prof. MV Ramana Murthy and his continuous guidance and task oriented mind setup to complete tis ask very soon. I am also thankful to Bhavan's Vivekananda College of Science Humanities and Commerce, Management, Principle-Dr. GSVRK Choudhary, Mrs. KVB Saraswathi Devi for given me the support and encouraging me to achieve goals successfully. I co-authored books on "Computer Fundamentals", Data Science with Machine Learning using R. Dr. K. L. Vasundhara, HOD & Assoc. Professor, Dept. of Mathematics, Thank my Mentor Prof. M. V. Ramana Murthy (Former Head and BOS Chairman, Dept. of Mathematics and Computer Science, OU, Hyderabad) for his guidance, time, ideas and help. I am greatly indebted to Sri Krishna Rao (Correspondent, Stanley College of Engineering and Technology for Women, Hyderabad) for his support. It is imperative on my behalf to remember my behold Mother Late Smt. K. Varalakshmi and my Father-in-Law Late Sri. Yerasuri Gopala Krishna Murthy for their divine blessings. Recipient of "UTTAMA ADYAPIKA AWARD" 2022, "JYSTA ACH ARNA AWARD" 2024 and authored 16 papers in various National & International Journals, Co- authored books on " Engineering Mathematics-IV", "Data Science with Machine Learning using R". AICTE nominated expert for Data Analytics and having 6 Patents. Prf. Monalisha Pattnaik, currently serving as the Head of Department in the Department of Statistics, at Sambalpur University holds her D.Litt. in Supply Chain

Management from Sambalpur University and her Ph.D. in Operations Research from Utkal University. Additionally, she holds the position of Deputy Director of the Research and Development Cell, at Sambalpur University. Apart from that, she actively conducts training programs, and seminars, and delivers talks at Faculty Development Programmes conducted by HRDC. In association with the mentioned, she is an avid researcher and has devoted her time to urging young minds into research. Her dedication to research is evident from her extensive list of publications in reputed international and national journals. Prof. Pattnaik boasts an impressive publication record with over 50 papers indexed in SCOPUS and WoS. In addition to her articles, Prof. Pattnaik has authored eight books, edited five books of international repute, and contributed numerous book chapters, solidifying her expertise in her fields of interest. As a highly regarded reviewer for prestigious publishers such as Elsevier, Taylor & Francis, IEEE Access, and Springer, she actively contributes to the academic community. She has an active role to play as a Member of the Editorial Board of reputed international journals. She is also associated with independent projects conducted by both Govt. of India and Govt. of Odisha. Presently, she is associated with Sambalpur University funded project based on Predictive Analytics. In her 16 years of teaching experience, she has covered topics such as Artificial Intelligence, Bibliometrics, Advanced Operations Research, Financial Security Analysis, Co-integration, ARIMA Modelling, Production and Operations Management, Security Analysis and Portfolio Management, Logistics and Supply Chain Management, Optimization Techniques, Research Methodology, and Advanced Multivariate Analysis. Her name has been included as an active reviewer in the online library of reputed international journals such as British Academy of Management and John Wiley & Sons Ltd. One of her articles published in the journal Statistics Optimization and Information Computing has been included in the CAM-Digest Magazine, China. She has been getting invitation for conducting track chair session of international conferences in South Korea, Bangkok and France(Online). Recently, she has developed a new algorithm of Transportation Problem and it is published in a reputed journal of Log Forum, Poland. She

has published a case study which is available online in an academic website "studymode.com". Very recently, she has published three preprints on COVID-19 in the medRxiv org. USA, the preprint server health sciences, world reputed free online archive and distribution server for complete but preprints in the medical, clinical, and related health sciences. With a notable number of citations, an h-index of 14, and an i10-index of 26 from 2018 until the present, Prof. Pattnaik continues to be a prominent figure in the academic and research world, contributing her vast experience. Her work was acknowledged in the AD Scientific Index 2024, a prestigious "JYESTA ACHARYA AWARD"2021-2022, All India Level on 4th Dec organized by "Bharat Education Excellence Awards-2022" team of Skill, Swadesh, LACE, Brainovision, Cito Health Care & Lions Club, Hyderabad. She has also the recipient of the "Distinguished Woman Researcher in Operations Research", (OPERATIONS RESEARCH -2024 (Management)) by Venus International Women Award: Chennai, Tamil Nadu, India. Dr. G Mahesh Kumar holds the position of Assistant Professor, Department of Computer Science, Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, Secunderabad, Telangana, India. He has done his Ph.D. in Computer Science & Engineering from JNTU Hyderabad. He has done his Masters in Information Systems, M. Tech (CSE) from Osmania University. He has qualified UGC-NET in Computer Applications. He has presented papers in national and international conference. He has published research papers international and national journals. He has published one patent. His research areas include Grid Computing, Cloud Computing, Internet of Things, Blockchain Technology, and Machine Learning.

Monalisha Pattnaik

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and seminars, and delivers talks at Faculty Development Programmes conducted by HRDC. In association with the mentioned, she is an avid researcher and has devoted her time to urging young minds into research. Her dedication to research is evident from her extensive list of publications in reputed international and national journals. Prof. Pattnaik boasts an impressive publication record with over 50 papers indexed in SCOPUS and WoS. In addition to her articles, Prof. Pattnaik has authored eight books, edited five books of international repute, and contributed numerous book chapters, solidifying her expertise in her fields of interest. As a highly regarded reviewer for prestigious publishers such as Elsevier, Taylor & Francis, IEEE Access, and Springer, she actively contributes to the academic community. She has an active role to play as a Member of the Editorial Board of reputed international journals. She is also associated with independent projects conducted by both Govt. of India and Govt. of Odisha. Presently, she is associated with Sambalpur University funded project based on Predictive Analytics. In her 16 years of teaching experience, she has covered topics such as Artificial Intelligence, Bibliometrics, Advanced Operations Research, Financial Security Analysis, Co-integration, ARIMA Modelling, Production and Operations Management, Security Analysis and Portfolio Management, Logistics and Supply Chain Management, Optimization Techniques, Research Methodology, and Advanced Multivariate Analysis. Her name has been included as an active reviewer in the online library of reputed international journals such as British Academy of Management and John Wiley & Sons Ltd. One of her articles published in the journal Statistics Optimization and Information Computing has been included in the CAM-Digest Magazine, China. She has been getting invitation for conducting track chair session of international conferences in South Korea, Bangkok and France(Online). Recently, she has developed a new algorithm of Transportation Problem and it is published in a reputed journal of Log Forum, Poland. She has published a case study which is available online in an academic website "studymode.com". Very recently, she has published three preprints on COVID-19 in the medRxiv.org, USA, the preprint server health sciences, world reputed free online archive and distribution server for complete but preprints in the

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Mahesh Kumar

Mahesh Kumar holds the position of Assistant Professor, Department of Computer Science, Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, Secunderabad, Telangana, India. He has done his Ph.D. in Computer Science & Engineering from JNTU Hyderabad. He has done his Masters in Information Systems, M. Tech (CSE) from Osmania University. He has qualified UGC-NET in Computer Applications. He has presented papers in national and international conference. He has published research papers international and national journals. He has published one patent. His research areas include Grid Computing, Cloud Computing, Internet of Things, Blockchain Technology, and Machine Learning.



Environmental Science

Author :	Subrat Roy
ISBN 13 :	978-93-91505-65-3
ISBN 10 :	9391505651
E-ISBN 13 :	978-93-91505-65-3
Edition :	First
Pages :	120
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store, Ebooks, APPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

Product Description

“Environmental Science” is an audit course for the first year Diploma programme in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome-based education.

Book covers four units- Ecosystem, Air and Noise Pollution, Renewable Sources of Energy and Solid waste management, ISO 14000 & Environmental Management, Every unit contains as set of exercise at the end of each unit 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 recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
3. Student and teacher centric subject materials included in book with balanced and chronological manner.
4. Figures and tables are insert to improve clarity of the topics.
5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.

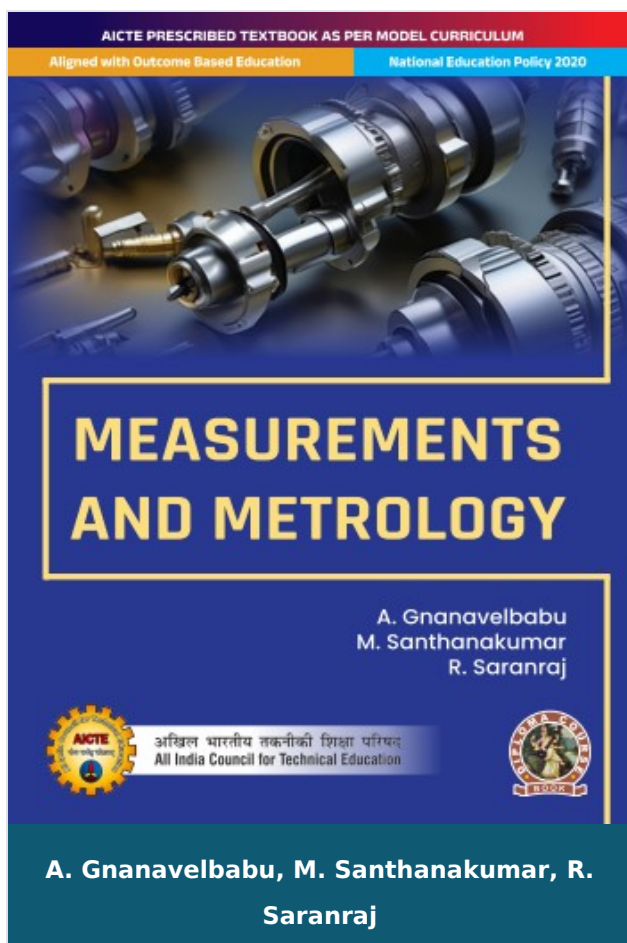
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- Ecosystem
- Air and Noise pollution
- Renewable sources of Energy
- Soil waste Management, ISO 14000& Environmental management.
- Important Day Related to Environment
- CO and Po Attainment Table
- Index.

Author

Subrat Roy

Subrat Roy



Measurements and Metrology

Author : A. Gnanavelbabu, M.
Santhanakumar, R. Saranraj

ISBN 13 : 978-93-55385-99-4

ISBN 10 : 9355385994

E-ISBN 13 : 978-93-55385-99-4

Edition : First

Pages : 296

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 548.00

Categories : [AICTE Prescribed Textbooks,](#)
[English Books, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Measurements and Metrology

This book familiarizes students with the critical domains of Measurements and Metrology. It provides a comprehensive understanding of basic science for engineering students. Covering the fundamentals of measurements and metrology, and enables them to gain insight into the subject. The book covers essential topics such as dimensional measurements, calibration techniques, mechanical measurement system, and various metrology tools and their applications in engineering problems. The primary content of this book aligns with the model curriculum of AICTE and fellow the outcomes-based education concepts as per the National Education Policy (NEP)2020.

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.

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- LIMITS, FITS & TOLERANCES
- GEAR MEASUREMENT AND TESTING
- MEPC210 Measurements & Metrology Lab
- Suggested Reading & References
- CO – PO Attainment Table
- Index

Author

A. Gnanavelbabu

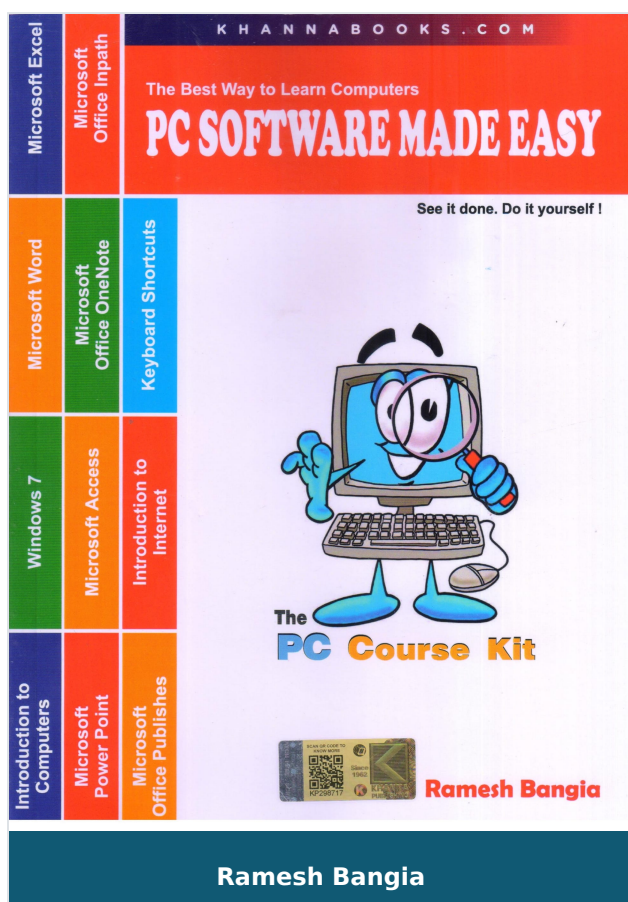
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PC Software Made Easy - The PC Course Kit

Author :	Ramesh Bangia
ISBN 13 :	978-93-81068-44-1
ISBN 10 :	9381068445
E-ISBN 13 :	978-93-81068-44-1
Edition :	2
Pages :	352
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 498.00
Categories :	Book Store, BASIC COMPUTER BOOKS
Condition Type :	New
Country Origin :	India

Product Description

The complete Learning Series has been designed in a very systematic and logical manner. Each topic has been developed from the basic concepts. Practically every major point in the text is illustrated with suitable examples and screen shots. This will help the students in understanding the basic theory and train them in solving every problem systematically, and confidently. A large number of unsolved as well as solved exercises have also been included in the book. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Functions has been explained in full and some of them have been explained in the form of examples. Tips for working faster using the keyboard shortcuts are also provided.

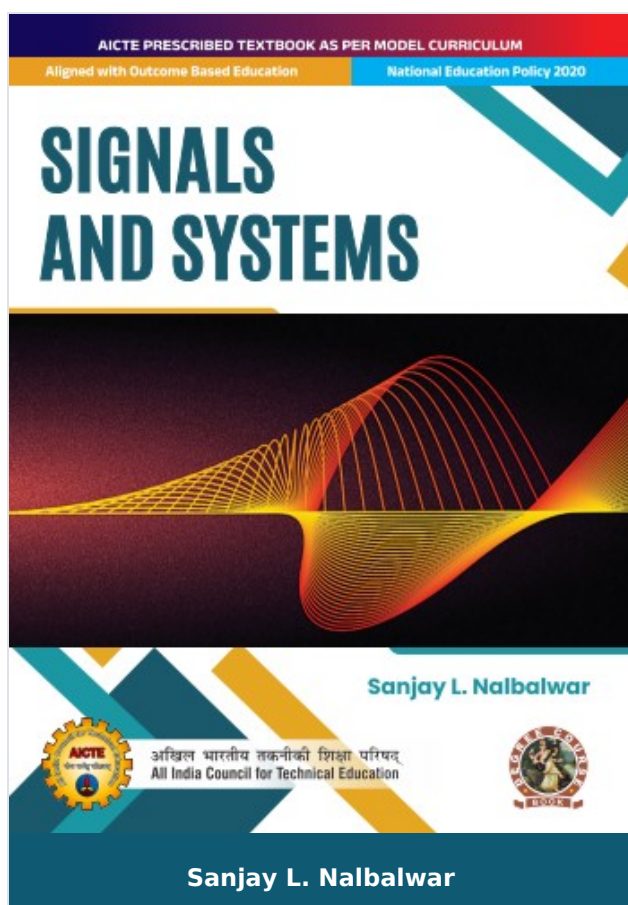
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- Introduction to Computers
- Windows 7
- Microsoft Word 2010
- Microsoft Excel 2010
- Microsoft PowerPoint 2010
- Microsoft Access 2010
- Other Software of Microsoft Office 2010
- Internet and World Wide Web
- Buying the Right Computer
- Keyboard Shortcuts
- Questions

Author

Ramesh Bangia

Ramesh Bangia, has been writing computer books on various topics. He has written books for Schools, Training Institutes, Technical Universities, Distance Education Programs, Colleges and General. His tally of books exceeds 500 in number. Trained both in India and Abroad and having studied at IIT Delhi, he becomes automatic choice for most of the publishers in India. Though based in Delhi, his books are popular all over India and are even exported to Middle East and African countries.



Signals and Systems

Author : Sanjay L. Nalbalwar

ISBN 13 : 978-93-55385-45-1

ISBN 10 : 9355385455

E-ISBN 13 : 978-93-55385-45-1

Edition : First

Pages : 312

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 598.00

Categories : [AICTE Prescribed Textbooks,](#)
[English Books, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Signals and Systems

This book, “Signals and Systems” is crafted by primarily considering the types of signals and different systems to with which the signals are handled. Signals and Systems is the cornerstone of modern engineering, bridging the gap between theory and application in fields as diverse as telecommunications, control systems, and digital signal processing. In this comprehensive guide, delve into the fundamental principles and advanced techniques that underpin the analysis and manipulation of signals in various domains.

Salient Features:

- The book’s content is aligned with program outcomes, course outcomes and unit outcomes.
- Learning outcomes are listed at the beginning of each unit to make students understand what is expected after completion of each unit.
- The book provides examples both solved and unsolved in realizing the concepts of signals and various systems.
- Step-by-step explanations and intuitive illustrations of complex concepts, making even the most abstract theories accessible to readers at all levels of expertise.
- Real-world examples provide insight into how signals and systems theory translate into practical solutions, from audio and image processing to communication systems and beyond.
- QR codes and E-sources will help learners to understand the concepts more deeply.
- This book offers invaluable insights and guidance gleaned from years of academic research and industry experience.

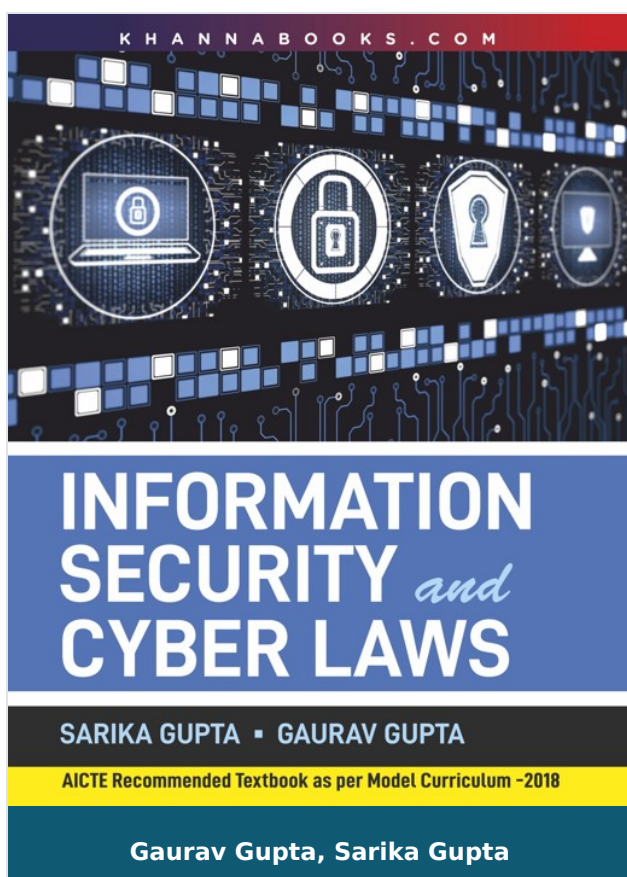
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- Behaviour of continuous and discrete-time LTI Systems
- Fourier series and transform
- Laplace transforms
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- CO and PO attainment table
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Information Security and Cyber Laws

Author :	Gaurav Gupta, Sarika Gupta
ISBN 13 :	978-93-81068-24-3
ISBN 10 :	9381068240
E-ISBN 13 :	978-93-81068-24-3
Edition :	First
Pages :	424
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 465.00
Categories :	UNIVERSITY RECOMMENDED, Computer Science Engineerings, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Introduction of Information Security and security and cyber law covers the fundamentals aspect of system, Information system, Distributed Information system, Cryptography, Network Security etc. It is Incredibly robust, portable & adaptable. This book coverage of Model paper, Question Bank and Examination Question Paper etc.

Table Of Contents

- What is Information ?
- What is Security ?
- What is E-commerce ?
- Physical Security
- Cryptography
- Network Security
- Security Metrics
- Ethical Issues
- Question Bank
- Model papers

Author

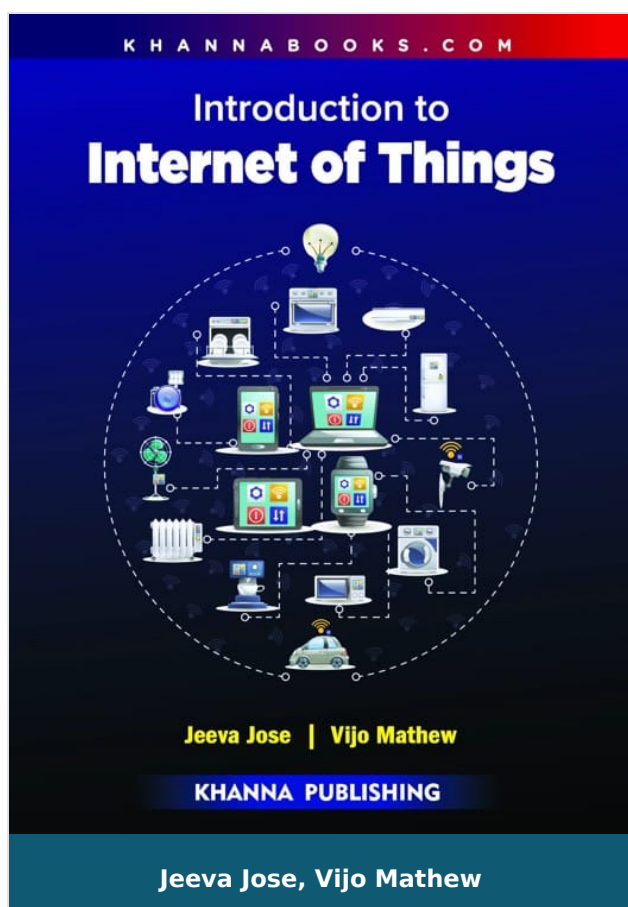
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Introduction to Internet of Things

Author : Jeeva Jose, Vijo Mathew

ISBN 13 : 978-81-95123-16-2

ISBN 10 : 8195123163

E-ISBN 13 : 978-81-95123-16-2

Edition : First

Pages : 344

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 299.00

Categories : [Computer Science Engineering,](#)
[Emerging Technologies, Book](#)
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5. IOT Ecosystem is discussed in detail.
6. Will help to develop skills in IOT technical planning.
7. Each chapter is provided with objective questions with answers and review questions.
8. The full form and explanation of the abbreviations used are given in each chapter.

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- to Internet of Things

Author

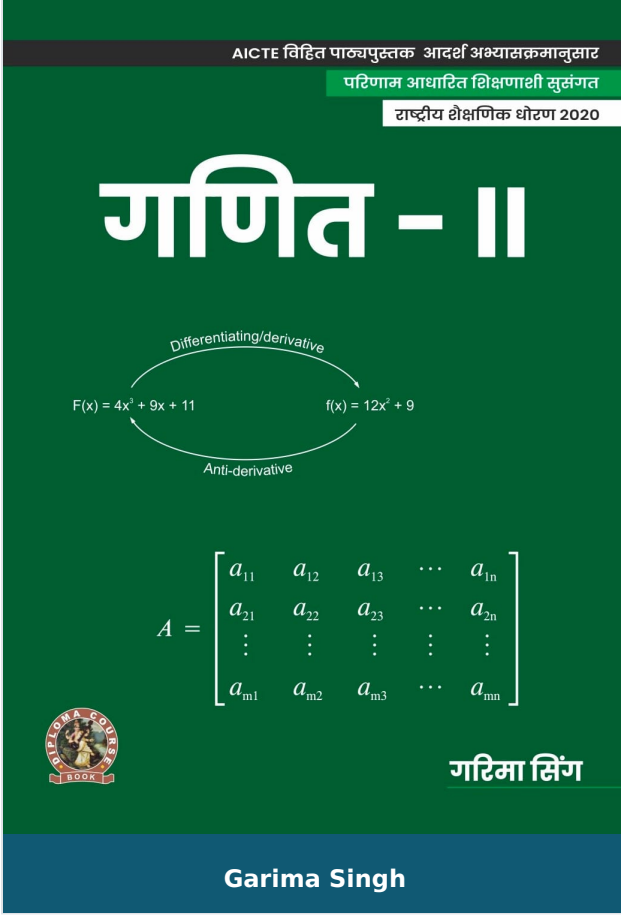
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Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

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Vijo Mathew is a highly accomplished engineer with three decades of experience in driving innovation and growth in various electrical, electronics, and information technology industries. His track record is complemented by a postgraduate degree in management, equipping him to excel in business management, strategic management, and technology management. His expertise is highly valued in the fields of software, electrical and electronics hardware, and design where he provides strategic guidance and mentorship to organizations seeking to stay ahead of the curve. He has demonstrated a unique ability to bridge the gap between technology and business driving success through his visionary approach and collaborative leadership style. His leadership skills and technical acumen have made him an advisor to some reputed national and

international corporations. As an advisor and strategic leader, he is helping organizations achieve their full potential through innovative solutions, effective management, and visionary leadership. He is also author of many books related to technology and management.



Mathematics-II

Author : Garima Singh

ISBN 13 : 978-93-55380-20-3

ISBN 10 : 9355380208

E-ISBN 13 : 978-93-55380-20-3

Edition : First

Pages : 168

Type of book : Physical

Year : 2022

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Marathi Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

“Mathematics-II” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

Book covers seven topics- Determinants, Matrices, Integral Calculus and it's applications. Co-ordinate Geometry and it's applications, vectors and it's applications, Differential equations. Basic of MATLAB.

Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.
2. Objective questions and subjective questions are given for practice of students after every unit.
3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and unit Outcomes.
4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.
5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

6. Student and teacher centric subject materials are included in the book in a balanced manner.
7. Real life applications are inserted to improve clarity of this topics.
8. Know more section has been introduced which constitutes of additional information related to the topic.
9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.
10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .
11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

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- Determinants and Matrices
- Integral Calculus
- Co-ordinate Geometry
- Vector Algebra
- Differential Equations
- Appendices & Annexures

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