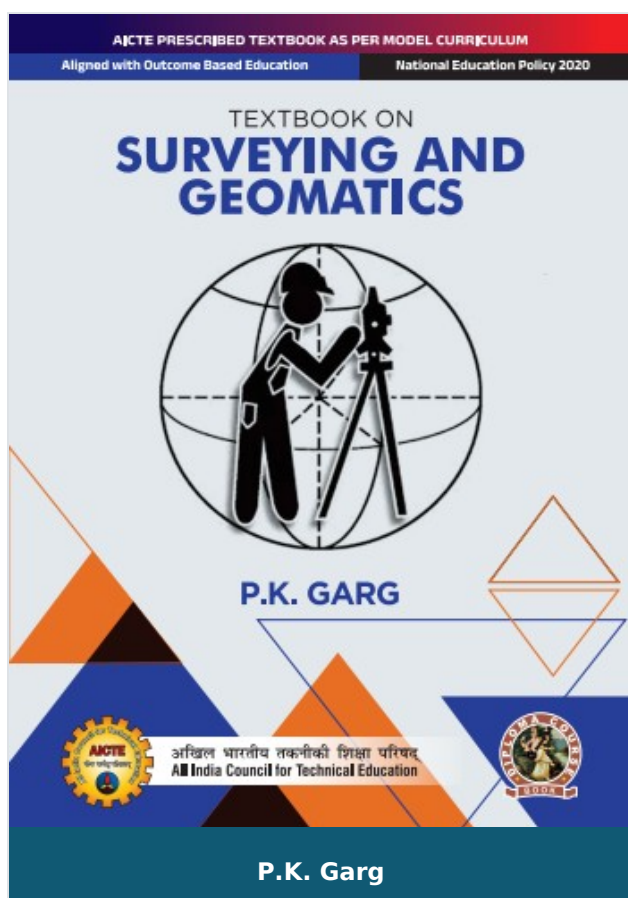




## Textbook on Surveying and Geomatics

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| <b>Author :</b>         | P.K. Garg                                                                                |
| <b>ISBN 13 :</b>        | 978-93-55387-00-4                                                                        |
| <b>ISBN 10 :</b>        | 9355387008                                                                               |
| <b>E-ISBN 13 :</b>      | 978-93-55387-00-4                                                                        |
| <b>Edition :</b>        | First                                                                                    |
| <b>Pages :</b>          | 410                                                                                      |
| <b>Type of book :</b>   | Physical                                                                                 |
| <b>Year :</b>           | 2026                                                                                     |
| <b>Language :</b>       | English                                                                                  |
| <b>Publisher :</b>      | Khanna Publishing House                                                                  |
| <b>M.R.P :</b>          | Rs 698.00                                                                                |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">English Books, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                      |
| <b>Country Origin :</b> | India                                                                                    |

## Product Description

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### Surveying and Geomatics

The book provides the fundamental principles and theory of various equipment and techniques used in surveying and geomatics engineering. The fast developments which have taken place in field data collection methods and mapping techniques are also covered in the book. The book is intended to guide and help students and researches understanding of surveying and geometrics tools and techniques. It provides insights to the subject matter aligned with the latest model curriculum of the AICTE, followed by the concept of outcome-based education as per the New 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.

- Solved and unsolved problems including numerical examples are solved with systematic steps.

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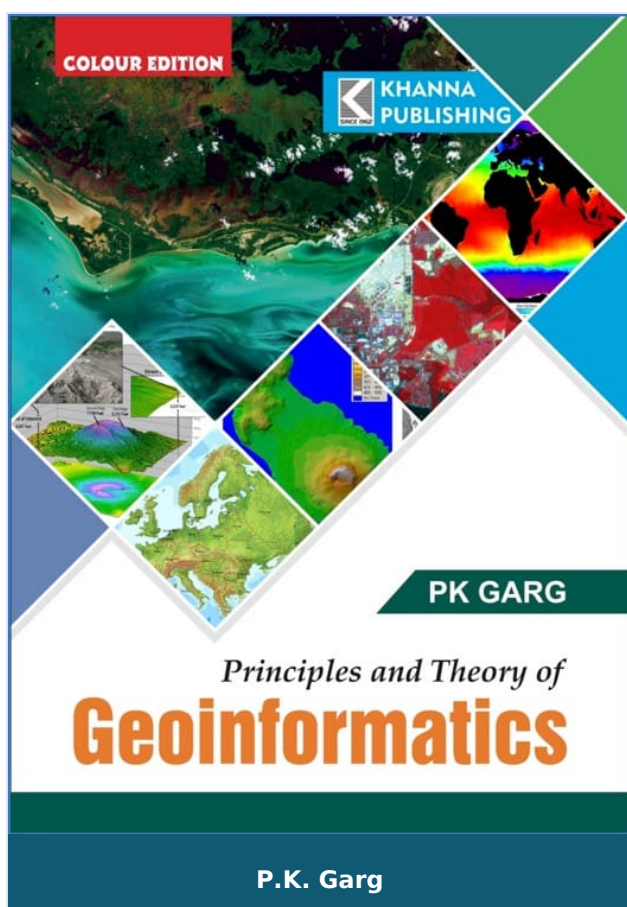
- Foreword
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- Outcome Based Education
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- Guidelines for Students
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- List of Tables
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- CURVES
- MODERN FIELD SURVEY SYSTEMS
- PHOTOGRAMMETRY SURVEYING
- REMOTE SENSING
- CO And PO Attainment Table
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## Author

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## Principles and Theory of Geoinformatics

|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| <b>Author :</b>         | P.K. Garg                                                        |
| <b>ISBN 13 :</b>        | 978-93-86173-70-6                                                |
| <b>ISBN 10 :</b>        | 9386173700                                                       |
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| <b>Edition :</b>        | First                                                            |
| <b>Pages :</b>          | 296                                                              |
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| <b>Language :</b>       | English                                                          |
| <b>Publisher :</b>      | Khanna Publishing House                                          |
| <b>M.R.P :</b>          | Rs 499.00                                                        |
| <b>Categories :</b>     | <a href="#">Civil Engineering, Civil Engineering, Book Store</a> |
| <b>Condition Type :</b> | New                                                              |
| <b>Country Origin :</b> | India                                                            |

## Product Description

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Geoinformatics combines photogrammetry and remote sensing, image processing as well as other digital spatial data collection methods like GPS, field measurements, digitizing and scanning of maps, spatial data analysis algorithms and geographical data management, and visualization. It is one of the important tools that can help us to map and monitor the changes in the environment and on Earth, Geoinformatics, being multi-disciplinary in nature, is a fast growing area to solve real world problems by bringing together technologies and tools required for acquisition, exploration, visualization, analysis and integration of various spatial data.

The main key feature of this book is that it concisely covers all the major topics of geoinformatics; Photogrammetry, Remote Sensing, GPS and GIS, so that UG & PG students and researchers can understand the theory of land data collection & mapping, and subsequently the analysis from these maps. The structure and character of spatial and non-spatial datasets are also described.

The book covers basic geoinformatics tools and techniques which encompass a wide range of equipment, images and software, such as laser based devices, LiDAR, UAV/Drone, Aerial and terrestrial photographs, optical, Thermal, microwave and hyperspectral images, GPS, and GIS. The utility and application areas of these data collection techniques are presented in a simple language. This book will be extremely useful to students to understand the principles and theory of Geoinformatics that are crucial for several applications on the Earth surface.

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- GEOINFORMATICS
- PHOTOGRAMMETRY
- REMOTE SENSING
- GLOBAL POSITIONING SYSTEMS
- GEOGRAPHIC INFORMATION SYSTEMS

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