



# AIRPORT ENGINEERING



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& ENLARGED

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## ABOUT THE BOOK

This book aims at presenting the topics of Airport Engineering written in a simple manner. The subject-matter is characterized by comprehensive as well as methodical and easy-to-follow style, reflecting the latest FAA, ICAO, IATA and AAI recommendations and guidelines. Latest technique of GPS air traffic control has been highlighted in detail. Modern concept of Free Flight is also added.

*The outline of the book is:*

**Chapter 1** : Introduction to the subject of *Airport Engineering*, Airport terminology, Open skies policy and more.

**Chapter 2** : Explains *Airport Survey*

**Chapter 3** : Discuss *Airport Planning*

**Chapter 4** : Elucidates *Planning and Design of Terminal Area*

**Chapter 5** : Gives main aspects connected with the *Runway Design*.

**Chapter 6** : Gives features associated with *Taxiway Design*

**Chapter 7** : Newly added chapter on *Aviation Fuel*

**Chapter 8** : Gives aspects and various methods of the *Airport Pavement Design*

**Chapter 9** : Gives topics on *Airport Grading and Drainage*

**Chapter 10** : Explains *Visual Aids* required for aircraft

**Chapter 11** : Describes *Air Traffic Control (ATC) systems*

**Chapter 12** : Discuss topics on *Heliports and Stolports*.

The text-matter has been arranged systematically into Twelve Chapters and various complicated topics are explained in lucid language assisted by:

114 Self-explanatory and neatly drawn sketches;

21 Illustrative problems;

35 Important useful tables;

254 Typical questions at the end of the chapters.

The book should prove to be extremely useful to the Civil Engineering students preparing for the Degree Examinations of all the Indian Universities, Diploma Examinations conducted by various Boards of Technical Education, Certificate Courses as well as for the A.M.I.E., U.P.S.C., G.A.T.E., I.E.S. and other similar competitive and professional examinations. It should also prove of interest to the practising professionals.

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