STATISTICS AND NUMERICAL METHODS

Dr. Manish Goyal

STATISTICS
AND
NUMERICAL METHODS

For

B.E./B.Tech. II Year (*IV Semester*)
Anna University Chennai
Common to Mechanical, Automobile and Production
(Strictly as per the latest Syllabus)

By
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ABOUT THE BOOK

The underlying object of this book is to provide the readers with the thorough understanding of topics included in the syllabus of Mathematics for engineering students.

The salient features of the book are as follows:

- It exactly covers the prescribed syllabus. Nothing undesirable has been included and nothing essential has been left.
- Its approach is explanatory and language is lucid and communicable.
- The exposition of the subject matter is systematic and the students are better prepared to solve the problems.
- All fundamentals of the included topics are explained with a micro-analysis.
- Sufficient number of solved examples have been given to let the students understand the various skills necessary to solve the problems. These examples are well-graded.
- Unsolved exercises of multi-varieties have been given in a well-graded style. Attempting these on his own, will enable a student to create confidence and independence in him/her regarding the understanding of the subject.
- Daily life problems and practical applications have been incorporated in the body of the text.
- A large number of attractive and accurate figures have been drawn which enable a student to grasp the subject in an easier way.
- All the answers have been checked and verified.

ABOUT THE AUTHOR

Dr. Manish Goyal has been associated with the G.L.A. University, Mathura for the last one and a half decade as a competent, dynamic, successful and responsible faculty member in Mathematics. He is working as an **Associate Professor** in the Institute of Applied Sciences and Humanities there.

He is equipped with an extraordinary calibre and appreciable academic potency. He has always been synonymous with the word merit and excellence. He is awarded with the degree of Ph.D. by Dr. B.R. Ambedkar University, (Formerly Agra University) Agra in 2009. He has also qualified CSIR—NET Examination in Mathematical Sciences with an all India rank (A.I.R.)-09 in June 2011.

He has authored **73 (SEVENTY THREE)** books during this span. Out of these, he has written about **FOUR DOZEN** books on Engineering Mathematics for various Technical Universities, the prominent among them are U.P.T.U., Lucknow; R.G.P.V., Bhopal; Anna University, Chennai; P.T.U. Jalandhar; Uttarakhand Technical University, Dehradun; Amity University, Noida; M.D.U., Rohtak; K.U., Kurukshetra etc. His book titled **'Computer Based Numerical and Statistical Techniques'** has widely been acclaimed.

He is an ardent researcher. He has, to his credit, **EIGHT** research papers published in a leading journal of Mathematics. He has attended **EIGHT** short term courses at IITK, IITR, NITW, SVNIT, MANIT etc. sponsored by AICTE and TEQIP during the last five years. He has also participated in various workshops. He is a reviewer of **TWO** international journals