

# **SURVEYING**

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# P R E F A C E

The planning and design of all Civil Engineering projects such as construction of highways, bridges, tunnels, dams etc are based upon surveying measurements. Thus, surveying is a basic requirement for all Civil Engineering projects. Surveyors update boundary lines and prepare sites for construction so that legal disputes are prevented. Surveyors make precise measurements to determine property boundaries. They provide data relevant to the shape and contour of the Earth's surface for engineering, mapmaking, and construction projects.

The text has been designed in a manner so as to help its readers comprehend the subjects with the insight of a researcher. The primary objective of this text book is to provide the reader an in-depth knowledge of the principles of surveying, which could be extended wisely to its applications. Each section in this book deals with a brief introduction, definition, classification, exemplification, laws, graphics, diagrammatic representations, illustrations and highlights.

Besides maintaining a logic chain of continuity in all sections in a lucid manner, an attempt has been made to include very interesting examples that create enough interest in the fields of survey. The author believes that this book will provide a positive help and an urgent need to all aspirant of UG students across the various Indian universities. Any suggestions for the improvement of the book are invited.

 *Tabassum Abbasi*

 *Nuzhat Parveen*



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