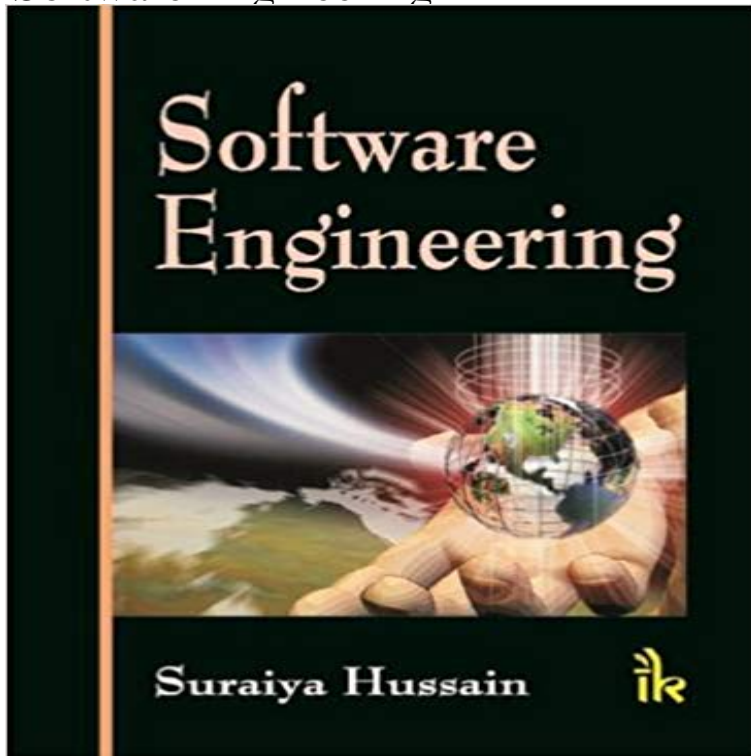


Software Engineering



Software Engineering (SE) is a profession dedicated to designing, implementing, and modifying software so that it is of high quality, affordable, maintainable, and fast to build. It is a systematic approach to the analysis, design, assessment, implementation, test, maintenance and reengineering of software, that is, application of engineering to software. The main focus of this book is to thoroughly understand the basic concepts of software engineering and their practical use. The book is designed to be used in introductory software engineering courses at all levels. It will also be valuable to programming practitioners who want to develop a better understanding of modern software engineering techniques. Contents: Software Process and Development Model / Software Project Management / Software Project Planning / Risk Analysis and Risk Management / Software Quality Assurance / Software Requirements / Software Design / Software Testing Techniques / Debugging Testing Tools and Standards / Software Maintenance / Index.

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