Today, technology is one of the bastions of our modern lifestyle and basic for our prosperity, in which metal forming technology plays a central role. Alongside for manufacture, a semi-finished product through rolling, wire drawing, and extension for production of discrete components using sheet metal and solid forming techniques is a major significance. The variety of parts produced in the press shop is large and enumerating the sheet metal parts going into diverse industrial products would make an endless list. Electric motors, transformer, switchgears, automobile components, and domestic products like mixers, kitchen ware and utensils are some of the common products.

This book highlights the area of sheet metal forming particularly in deep drawing, rolling, extrusion, bending, etc. Intelligent technologies have received much attention in a wide range of material forming applications in order to make a forming system with a large flexibility without the need of a skillful expert to achieve product accuracy and product quality. A number of attempts on its application have been made in the field of metal forming. Convergence of technologies on the Internet and the field of expert systems have offered new ways of sharing and distributing knowledge. However, there has been a general lack of research in the field of web-based expert systems for metal forming. This research work addresses issues associated with design, development, and use of web-based expert system for various types of sheet metal forming operations like deep drawing, rolling and extrusion, bending. Initially, the related literature is presented. This is followed by a presentation of client server methodology, test result, discussion, and summary.

Efforts have been made to present the subject in an easy, clear, lucid, and systematic manner.

The suggestions for further improvement in this book will be greatly accepted.

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