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About the Author

Sham Tickoo is a professor of Manufacturing Engineering Technology at Purdue University Calumet. He has been in the education and training since 1981 and joined Purdue University in the year 1987. Since then he has been teaching drafting and design, AutoCAD, AutoLISP, 3ds max, 3ds viz, Mechanical Desktop, Pro/Engineer, Autodesk Inventor, SolidWorks etc.

Prof. Tickoo is also one of the best known authors of CAD/CAM books in the world market. He has authored a number of books on the latest CAD/CAM technology. He is one of the very few authors in the world whose books are translated and sold in the countries like Italy, China, Philippines, and Russia. The list of some of his books is given below:

Pro/ENGINEER Wildfire for Designers, CADCIM Technologies, USA
Pro/ENGINEER Wildfire for Engineers & Designers, dreamtech PRESS, India
Pro/ENGINEER for Designers Release 2001, CADCIM Technologies, USA
Designing with Pro/ENGINEER, dreamtech PRESS, India
Autodesk Inventor for Designers Release 6, CADCIM Technologies
Autodesk Inventor for Engineers & Designers Release 6, dreamtech PRESS, India
Autodesk Inventor for Designers Release 5, CADCIM Technologies
SolidWorks for Engineers and Designers Release 2003, dreamtech PRESS, India
AutoCAD: A Problem Solving Approach, Delmar Publishers, USA
AutoCAD LT: A Problem Solving Approach, Delmar Publishers, USA
Customizing AutoCAD, Delmar Publishers, USA
3D Studio VIZ, Goodheart-Willcox Publishers, USA
3D Studio MAX, Goodheart-Willcox Publishers, USA
Mechanical Desktop Instructor, McGraw-Hill, USA
AutoCAD 2000 Tecniche Avanzate, APOGeO education, Italy
AutoCAD 2000 Fondamenti, APOGeO education, Italy
AutoCAD 2000: A Problem Solving Approach, China Machine Press, China
Customizing AutoCAD 2000, China Machine Press, China
AutoCAD 2002, Russian Edition

In addition to his academic career, he has also been employed as a design engineer, quality control engineer, software developer, and has also worked as a consultant for a number of companies in US and Canada.

Prof. Tickoo has also developed a software package called “SMLayout” that has been registered by Autodesk Inc. as a third party software product. This software package is currently being used by some companies in Canada, United States, and Columbia. SMLayout is written in the AutoLISP programming language. It generates flat layout drawing of some complicated geometric shapes like: transitions, cones, cone-cylinder intersections, sphere-cylinder intersections, and cylinder-cylinder intersections. This software package addresses the needs of steel fabricators and manufacturers of sheet metal products. The programs also provide a dimensioning option for automatic dimensioning of the drawing.

In March 2000, Prof. Tickoo was issued a US patent for a product called “Self Adjusting Cargo Organizer” that he designed for vehicles.