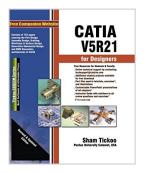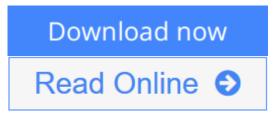# CATIA V5R21 for Designers

By Prof. Sham Tickoo Purdue Univ.

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CATIA V5R21 for Designers introduces the reader to CATIA V5R21, one of the world's leading parametric solid modeling packages. In this textbook, the author emphasizes on the solid modeling techniques that enhance the productivity and efficiency of the user. This textbook consists of 16 chapters followed by Student-Projects structured in a pedagogical sequence, covering the Part Design, Assembly Design, Drafting, Wireframe and Surface Design, Generative Sheetmetal Design and DMU Kinematics workbenches of CATIA V5R21. A Command Section is given at the introduction of each tool that provides information about the method of invoking the corresponding tool. The text is followed by tutorials that are created using various commands explained in it. This approach allows the users to use this textbook as a learning tool as well as a reference material.

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CATIA V5R21 for Designers By Prof. Sham Tickoo Purdue Univ. Bibliography

- Sales Rank: #1108786 in Books
- Published on: 2011-12-23
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.70" w x 7.50" l,
- Binding: Paperback
- 752 pages

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Editorial Review

About the Author
Prof. Sham Tickoo is currently working as a Professor at Purdue University Calumet, USA. He received MS in Industrial Technology (1989) from Northern Illinois University, Illinois, USA; and MS in Industrial and Management Engineering (1980) from University of Lowa, Lowa City, USA. Before joining Purdue University in 1987, Prof. Tickoo has worked as Design Engineer, Quality Control Engineer, and Software Developer. Prof. Tickoo has authored/coauthored textbooks on several major CAD/CAE/Animation software packages like SolidWorks, CATIA, Pro/Engineer, NX, AutoCAD, Customizing AutoCAD, AutoCAD LT, Solid Edge, 3ds Max, 3ds Max Design, Autodesk Inventor, Mechanical Desktop, and VIZ. In addition to North America, his textbooks have been translated and published in Russia, Japan, India, South Korea, and Serbia. These textbooks have brought unmatched pride and recognition to the Engineering Technology department and Purdue University. Prof. Tickoo has obtained over $24 Million software grant from ANSYS, IBM, and Siemens. He has also developed a web site that provides free teaching and learning resources to faculty and students. Since 1992, over half a million users have visited his web site and are using the resources on a regular basis.

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