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LIST OF COMMON BOOKS FOR MECH,CIVIL,INDUSTRIAL ENGG.

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FROM THE USC WEBSITE: contributed by Rakesh Tiwari

Here is a list of books which is just a suggestion for what you might need when you are here. If you manage to have them or you can find Indian editions or you can find some second hand bookstores then you could try to get them - Books are heavy so don't overload. Currently available information is for ISE, MECH, CIVIL departments.

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**Signal processing and Communication**

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Papoulis, Probability, Random Variables and Stochastic Processes, 3rd Edition, McGraw Hill 1991

Oppenheim & Schaffer, Discrete-Time Signal Processing, Prentice-Hall, 1989 #  
J. G. Proakis, Digital Communications, 3rd Edition, McGraw-Hill, 1995.

Andrew Tanenbaum, Computer Networks, 3rd Edition, Prentice-Hall,

G. L. Stuber, Principles of Mobile Communication, Kluwer Academic Publishers, 1996.

T. S. Rappaport, Wireless Communications - Principles and Practice, Prentice Hall, 1996.

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**Major: "VLSI Design"**

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Digital Design M. Morris Mano Prentice Hall, India, 2nd Ed.

Analysis and Design of Analog Integrated Circuits Paul R. Gray, Robert G. Meyer. Wiley & Sons 3rd Ed.

Principles of CMOS VLSI Design : A Systems Perspective Neil H.E. Weste, Kamran Eshraghian. Addison-Wesley Pub. Co., c1993. Edition 2nd ed.

The Designer's Guide to VHDL Peter J. Ashenden. Morgan Kaufmann Publishers, c1996.

Digital Integrated Circuits : A Design Perspective Jan M. Rabaey. Prentice

Hall, c1996

Computer Architecture : A Quantitative Approach David A. Patterson, John L. Hennessy ; with a contribution by David Goldberg. Morgan Kaufmann Publishers, 1996. 2<sup>nd</sup> ed.

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### **Industrial Engineering**

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Design Of Experiments - > D.C.Montgomery

Introduction to Operations Research- Hiller & > Liebermann

Discrete-Event System Simulation - Banks,Carson,Nelson

Factory Physics .

How to program in Java- Deitel & Deitel.

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### **Production Managment**

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Production Planning and Scheduling: Simon French

Network Flows: Optimization Algorithms for Networks and Graphs- Evans and Minieka

Inventory systems: Inventory Management and Production Planning and Scheduling  
by E.A. Silver, R. Peterson, and Pyke.

Project Management: Successful Project Management, M. Rosenou  
Project Management, H. Kerzner  
Guide to Project Management Body of Knowledge, PMI, 1996  
Fundamentals of Project Management, J. Lewis

Advanced Concepts in computer simulation: Simulation With Visual - Slam and  
Awesim, A. Alan B. Pritsker, David K. Laval, Jean J.O'Reilly

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### **Mechanical Engineering (Thermal Sciences)**

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1. Heat Transfer -J.P Holman

2.Fundamentals of Engineering Thermodynamics -Micheal J.Moran –Howard N.Shapiro

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**Civil Engineering:**

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Structures :

1. Finite Element Analysis by Belegundu and Tiruptala.
2. Programming in VC++ Deitel and Deitel
3. A good Structural Analysis Book

Do not get any Indian Code's they are not used here.