

## CS REFERENCE SHEET

SUBJECT	REFERENCE BOOK
MATHEMATICS	<ul style="list-style-type: none"> <li>• Higher Engineering Mathematics – Dr. BS Grewal Advance</li> <li>• Engineering Mathematics – Erwin Kreyszig</li> <li>• Advance Engineering Mathematics – Dr. HK Dass</li> </ul>
PROGRAMMING AND ALGORITHMS	<ul style="list-style-type: none"> <li>• Data Structure &amp; Algorithm in C - Mark Allen Weiss</li> <li>• Programming Languages - Ravi Sethi</li> <li>• Introduction to Algorithms - Corman, Rivest</li> <li>• Fundamentals of computer Algorithms - Horowitz</li> <li>• C programming - Kernighan and Ritchie</li> </ul>
OPERATING SYSTEMS	<ul style="list-style-type: none"> <li>• Operating Systems - Galvin</li> <li>• Operating Systems – Stallings</li> </ul>
DISCRETE MATH AND GRAPH THEORY	<ul style="list-style-type: none"> <li>• Discrete Mathematical Structures with applications to Computer Science - Tremblay and Manohar</li> <li>• Discrete Mathematics - Rosen</li> <li>• Discrete Mathematics for Computer Scientists – Mott</li> </ul>
COMPUTER ORGANIZATION	<ul style="list-style-type: none"> <li>• Digital Electronics – Morris Mano</li> <li>• Digital circuits – Taub &amp; Schilling</li> <li>• Microprocessor – Ramesh Gaonker</li> <li>• Computer Organisation – Hamacher</li> </ul>
DATABASE	<ul style="list-style-type: none"> <li>• Database Systems - Korth</li> <li>• DBMS - Ramakrishnan and Gerke</li> </ul>
COMPUTER NETWORKS	<ul style="list-style-type: none"> <li>• Computer Networks – Tanenbaum</li> </ul>
THEORY OF COMPUTATIONS	<ul style="list-style-type: none"> <li>• TOC – Ullman</li> </ul>
COMPILER DESIGN	<ul style="list-style-type: none"> <li>• Principles of Compiler Design - Aho and</li> </ul>

	Ullman
SOFTWARE ENGINEERING AND WEB TECHNOLOGY	<ul style="list-style-type: none"> <li>• A Practitioner's Approach - Roger Pressman</li> <li>• Web Engineering - Roger Pressman and David Lowe</li> <li>• Fundamentals of Software Engineering - Rajib Mall</li> <li>• An Integrated Approach to Software Engineering - Pankaj Jalote</li> </ul>

### EC REFERENCE SHEET

SUBJECT	REFERENCE BOOK
MATHEMATICS	<ul style="list-style-type: none"> <li>• Higher Engineering Mathematics – Dr. BS Grewal</li> <li>• Advance Engineering Mathematics – Erwin Kreyszig</li> <li>• Advance Engineering Mathematics – Dr. HK Dass</li> </ul>
SIGNAL AND SYSTEM	<ul style="list-style-type: none"> <li>• Signal &amp; System – Simon Hykin &amp; Barry Van Veen</li> <li>• Signals &amp; System Oppenheim &amp; Schafer</li> <li>• Discrete Time Signal Processing – Oppenheim &amp; Schafer</li> <li>• Digital Signal Processing Proakis</li> </ul>
CONTROL SYSTEMS	<ul style="list-style-type: none"> <li>• Control System Engg. – Nagrath &amp; Gopal</li> <li>• Automatic Control Systems – Benjamin C Kuo</li> <li>• Modern Control System – Katsuhiko Ogata</li> <li>• Design of feedback control system – Hostetter, Savant &amp; Stefani</li> </ul>
NETWORK	<ul style="list-style-type: none"> <li>• Network Analysis– Van Valkenburg</li> <li>• Network &amp; System – D Roy &amp; Choudhary</li> <li>• Engineering Circuit Analysis – Hayt &amp; Kammerly</li> </ul>

ELECTRONIC DEVICE + ANALOG CIRCUIT	<ul style="list-style-type: none"> <li>• Electronic devices and circuit Millman &amp; Halkias</li> <li>• Electronic devices and circuit – Boylestead</li> <li>• Integrated Electronics : Analog &amp; Digital Circuit and System – Millman &amp; Halkias</li> <li>• Micro Electronics Circuit – Sedra &amp; Smith</li> <li>• Linear ICs Gaekwad</li> </ul>
DIGITAL CIRCUITS	<ul style="list-style-type: none"> <li>• Digital Electronics – Morris Mano</li> <li>• Digital Circuits – Taub &amp; Schilling</li> <li>• Microprocessor – Ramesh Gaonker</li> </ul>
ELECTROMAGNETICS	<ul style="list-style-type: none"> <li>• Electromagnetic Waves and Radiating Systems by E.C, Jordan and K.G.Balsain</li> <li>• Engg Electromagnetics William Hayt</li> <li>• Antenna And Wave Propagation KD Prasad</li> <li>• Microwave devices &amp; circuits – Lio</li> <li>• Schaum series for Problem</li> </ul>
COMMUNICATIONS	<ul style="list-style-type: none"> <li>• Communication systems – Simon Hykin</li> <li>• Principals of communication systems – Taub &amp; Schilling</li> <li>• An introduction to Analog and Digital Communication – Simon Hykin</li> <li>• Modern &amp; digital communication system – BP Lathi</li> <li>• Electronic communication system – Kennedy</li> </ul>

### ME REFERENCE SHEET

SUBJECT	REFERENCE BOOK
MATHEMATICS	<ul style="list-style-type: none"> <li>• Higher Engineering Mathematics – Dr. BS Grewal</li> <li>• Advance Engineering Mathematics – Erwin Kreyszig</li> <li>• Advance Engineering Mathematics – Dr. HK Dass</li> </ul>
ENGINEERING MECHANICS	<ul style="list-style-type: none"> <li>• Engineering Mechanics Vol. I &amp; Vol. II – Meriam &amp; Kraige</li> </ul>

	<ul style="list-style-type: none"> <li>• Engineering Mechanics – I. H. Shames</li> <li>• Engineering Mechanics – Beer &amp; Johnson</li> <li>• Engineering Mechanics – CBS Publishers</li> </ul>
STRENGTH OF MATERIAL	<ul style="list-style-type: none"> <li>• An Introduction to the Mechanics of Solids – Stephen H Crandall</li> <li>• Strength of Materials – Pytel &amp; Singer</li> <li>• Strength of Materials – Timoshenko and Young</li> </ul>
THEORY OF MACHINE	<ul style="list-style-type: none"> <li>• Theory of Machine - Nagrath &amp; Gopal</li> <li>• Theory of Machine – S. S. Rattan</li> <li>• Theory of machine – R. S. Khurmi</li> </ul>
MACHINE DESIGN	<ul style="list-style-type: none"> <li>• Mechanical Design – Shigley</li> <li>• Machine Design – Sharma &amp; Agarwal</li> </ul>
THERMODYNAMICS & ITS APPLICATIONS	<ul style="list-style-type: none"> <li>• Engineering Thermodynamics – P. K. Nag</li> <li>• Power Plant Engineering – Arora &amp; Domkundwar</li> <li>• Refrigeration &amp; Airconditioning – Arora &amp; Domkundwar</li> <li>• I.C. Engines – V. Ganesan</li> </ul>
FLUID MECHANICS & HYDRAULIC MACHINES	<ul style="list-style-type: none"> <li>• Fluid Mechanics – K. Z. Schaffer</li> <li>• Fluid Mechanics – Schaum's series</li> <li>• Fluid Mechanics – A. K. Jain</li> </ul>
HEAT TRANSFER	<ul style="list-style-type: none"> <li>• Heat Transfer – J. P. Holman</li> <li>• Heat transfer – D.S. Kumar</li> <li>• Heat Transfer – Arora &amp; Domkundwar</li> </ul>
MANUFACTURING ENGINEERING	<ul style="list-style-type: none"> <li>• Production Engineering – R. K. Jain</li> <li>• Manufacturing Science – A.K. Ghosh</li> </ul>
INDUSTRIAL ENGINEERING	<ul style="list-style-type: none"> <li>• Industrial Engineering – Banga &amp; Sharma</li> </ul>