Library resources (books, technical journals, proceedings)

BAUET has a central library that plays an important role to achieve the goals of education. Collecting relevant books, journals, magazines, and other reading materials are the main tasks of the library. At present, the central library is enriched with about 15,037 books and a good number of periodicals, journals and magazines from home and abroad. There are a good number of books, newspapers, magazines were purchased for the library every year. Besides these, the library received a good number of books, journals, workshop proceedings, conventional and non-conventional research reports, annual reports, newsletters, and magazines as complimentary copies through an exchange program with various local and foreign organizations. All students can search the required books by using the catalog system.

The department of CSE takes a plan to establish a departmental library which will be started its journey approximately in June 2021. The main goal of this library is to enhance students' knowledge. The departmental library will be about 500 square feet and capable of attending around 50 students. This library will be accessible to the faculty members and students. The library will be opened from 0800-1500 hrs. on the working days Sunday-Thursday (Except Friday, Saturday and other government holidays). Additionally, the library will be operated 24x7 during the examinations. The central library has 9.39% books for CSE dept. The information on books, journals, proceedings and other resources is tabulated below.

Figure: Library (Partial View)

Table: Summary of books available at BAUET Central Library (For CSE Dept.)

SN.	Name of the Books	Author	Quantity
1.	Introduction to Computer	Peter Norton	105
2.	Introduction to Computer (Fundamentals of Computer)	N Subramanian	87
3.	Programming in ANSI C	E. Balagurusamy	150
4.	Schaum`s Outline Discrete Mathematics	Seymour Lipschutz Marc Lars Lipson	10
5.	Teach Yourself C	Herbert Schildt	20
6.	C How to program	Paul Deitel	5
7.	Programming With C,	Byron Gottfried	10
8.	Introduction to Algorithms	Thomas H Cormen	15
9.	Digital Systems: Principles and Application	Ronald J. Tocci	13
10.	An Introduction to Switching Theory and Digital Electronics	Dr. V.K. Jain	8
11.	Data Structures (Schaum's Outline Series)	Seymour Lipschutz	8
12.	Data Structures	Edward M Reingold & WilferdJ. Hansen	5
13.	Fundamentals of Data Structures	E. Horowitz and S. Sahni	5
14.	Teach Yourself C++	Herbert Schildt	10
15.	Object Orientated Programming	Robert Lafore	8
16.	Bioinformatics Principle and Application	Jhumur Ghosh	5
17.	Introduction to Bioinformatics	Teresa Attwood, David Parrysmith	5
18.	Numerical Methods for Engineers	Steven C. Chapra	10
19.	Introductory Methods of Numerical Analysis	S.SSastry	7
20.	Pulse, Digital and Switching Waveforms	Jacob Millman& Herbert Taub	10
21.	Operation Amplifier and Linear Integrated Circuit	Robert F. Coughlin	7
22.	Computer Architecture and Organization	John P.Hayes	10
23.	Computer Organization and Architecture: Designing for Performance	William Stalling	7
24.	The Art of Computer Programming, Vol.1,2,3	D.E. Knuth	10
25.	Fundamentals of Computer Algorithms	Ellis Horowitz	7
26.	Java the Complete Reference (Sessional)	Herbert Schildt	3
27.	Principles of Compiler Design	Alfred V.Ahoand Jeffrey. Ullman	10

28.	Introduction to Automata Theory, Languages and Computation	John E. Hopcroft	7
29.	Assembly Language Programming and Organization of the IBM PC	Ytha Yu and CharlersMarut	10
30.	Microprocessor and Microcomputer based System Design,	Dr. M. Rafiquzzaman	10
31.	Microprocessors and Interfacing,	D. V. Hall	10
32.	Intel Microprocessor,	Barry B. Brey	7
33.	Introduction to Languages and The Theory of Computation,	John C. Martin,	10
34.	Computational Complexity: A Modern Approach,	Sanjeev Arora and Boa Barak	7
35.	TCP/IP Protocol Suite,	Behrouz A.Forouzan	20
36.	Database System Concepts,	A.Silberschatz	10
37.	SQL, PL/SQL The programming Language of Oracle	Ivan Bayross	7
39.	Operating Systems Concepts	Abraham Silberschatz and Peter Baer Galvin	10
40.	Unix System Programming in C++	Terrence	7
41.	Fundamentals of Computer Graphics	F. S. Hill	10
42.	Computer Graphics	Schaum's outline Series	7
43.	Data Communications and Networking	Behrouz A. Forouzan	10
44.	Software Engineering, A practitioner's Approach	Roger S. Pressman	10
45.	Software Engineering	Ian Sommerville	7
46.	Applied Statistics for Engineers and Scientists	Jay L. Devore and Nicholas R. Farnum	10
47.	Probability, Markov Chains, Queues, and Simulation: The Mathematical Basis of Performance Modeling	William J. Stewart	7
48.	The 8051 Microcontroller and Embedded System	Mohammad Ali Mazidi, Janice GilispieMazidi&Rolin D. Mckinlay	5
49.	Modern System Analysis and Design	Jeffrey, A Hoffer	10
50.	Artificial Intelligence: A Modern Approach	StaurtJ. Russel and Peter Norving	20
51.	Learning Web App Development	Purewal ,Semmy	7
52.	Digital Signal Processing	J .G. Prokis	10

53.	Cryptography and Network Security	WiliamSalling	10
54.	Digital Image Processing	Gonzalez	2
55.	Data and Computer Communication	Stallings	2
56.	Basic VLSI design: System & Circuit	K. Eshraghian & D.A.Pucknell	10
57.	Digital Image Processing	Rafeal C. Gonzalez & Richard E. Woods	10
58.	Computer Network	Andrew S. Tanenbaun	10
59.	Context – Aware Mobile and Ubiquitous Computing for Enhanced Usability: Adaptive Technologies and Applications	Dragan Stojanovic	10
60.	Handbook on Mobile and Ubiquitous Computing: Status and perspective	Laurence T. Yang,EviSyukur and seng W. Loke	7
61.	System Safety Engineering and Management	Harold E.Roland, Brian Moriarty	10
62.	Management for Engineers, Scientists and Technology	John V.Chelsom, Andrew C. Payne.	7
63.	Operating System Design and Implement	Andrew Tanenbaum	10
64.	Introduction to Machine Learning	Ethem Aleaydan	5
65.	Introduction to Robotics: Analysis Control Application	Saead B. Niku	2
66.	Introduction to Graph Theory	Douglas B. West	2
67.	Introduction to Graph Theory	Robin Wilson	2
68.	Digital Image Processing Using Matlab	Rateal C. Conjallez	2
69.	Deep Learning	Goodfellow	2
70.	Computer Vision: Algorithms and Application	Richard Szeliski	2
71.	Object Orientated Programming	Robert Lafore	5
72.	Fundamentals of Computer Algorithms	Ellis Horowitz	10
73.	Machine Learning	Tom Michel Nitchell	5
74.	Introduction to Artificial Intelligence and Expert System	Petter Son	5