

5.2 Laboratory Equipments and Experiments

5.2	a	The laboratories shall have equipments as appropriate for experiments as stated / suitable for the requirements of the affiliating University / Board's curriculum. It is desired that number of experiment set up be so arranged that maximum four students shall work on one set.
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5.3 Books, Journals and Library facilities

Program	Total number of Divisions	Titles	Volumes	National Journals	International Journals	E Journals	Reading Room seating	Multimedia PCs for Digital Library/ internet Surfing located in reading room	
		Number					% of total students	% of total students	
Engineering / Technology(UG)	B	100	500xB	6xB	Desirable	As per Appendix 10	15 % (Max 150)	1 % (Max 10)	
		50 per course	250 per course - division						
Pharmacy(UG)	B	100	500xB	6xB					
		50	500xB						
Architecture & Town Planning (UG)	B	100	400xB	6xB					
		50	400xB						
Applied Arts & Crafts(UG)	B	100	500xB	6xB					
		50	500xB						
HMCT	B	100	500xB	6xB					
		50	500xB						
MBA / PGDM / MCA (PG)	B	100	500xB	12xB			25 % (Max 100)		
		50	500xB						
Engineering / Technology/ Pharmacy / Architecture & Town Planning / Applied Arts & Crafts (PG)	B	50	200	5xB					
		As Required	100						
Diploma in Engineering / Tech / Pharmacy / Architecture & Town Planning Applied Arts & Crafts, HMCT	B	Half the number as required for UG course in the same Program	Half the number as required for UG course in the same Program	Half the number as required for UG course in the same Program	-	-	15 % (Max 150)	1 % (Max 10)	

B=Number of divisions at 1st year (shift 1+2) + Number of 2nd year direct divisions (shift 1+2)

1	Book titles and volumes required at the time of starting new Institution.
2	Requirements of Book titles and volumes in Institutions started before 1950 shall be calculated considering starting year as 1950.
3	Yearly increment.
4	Component for additional division / course.
5	Hard Copy International Journals is desirable to procure. However subscription to E-Journals and National Journals as per Appendix 10 is essential.
6	Journals and Books may also include subjects of Science & Humanities.
7	Digital Library facility with multimedia facility is essential.
8	Reprographic facility in the library is essential.
9	Document scanning facility in the library is essential.
10	Document printing facility in the library is essential.
11	Library books/non books classification as per standard classification methods is essential.
12	Availability of NPTEL facility at the library is essential.
13	Computerized indexing with bar coded / RF tagged book handling is desired.

10.0 Subscription of E-Journals**Mandatory Subscription of e-Journal Packages for all Engineering Institutions conducting Undergraduate / Postgraduate Courses**

S. No.	Publisher	Subjects
1	IEEE	Computer Engineering + Computer Science + Electrical & Electronics Engineering + Telecommunications & related disciplines
2	ASME	Mechanical Engineering
3	ASCE	Civil Engineering
4	Mc Graw Hill	General Engineering & Reference
5	ELSEVIER	Engineering + Computer Science (Electrical + Electronics + Mechanical + Civil & Structural + Aerospace + Biomedical + Industrial & Manufacturing + Ocean Engineering + Computational Mechanical & Safety Risk, Reliability & Quality+ Computer Network and Communication, Artificial Intelligence, Computer Science , Computational Theory and Mathematics, Computer Graphics & Computer –Aided Design, Information Systems, Control & System Engineering & Software.
6	ASTM Digital Library Online version	Online Dictionary Of Engineering Science And Technology Electrical & Electronics Engineering Mechanical Engineering, Civil, Metallurgical, Petroleum, Instrumentation

NOTE:

1. Institutions having only 1st & 2nd Year UG Students and Institutions being established need to subscribe to Elsevier & ASTM Digital Library Packages Only (At S.No.5 & 6 of the table above)
2. All Institutions other than 1 of note shall subscribe to all the Packages from S. No. 1 to 6 given of the table above.
3. Institutions not offering Civil Engineering Courses need not Subscribe To ASCE Package
4. Institutions Not Offering Mechanical Engineering Courses need not subscribe to ASME Package
5. Institutions who already subscribe to IEL Online need not subscribe To IEEE – ASPP Package until the subscription of the same is valid.

Mandatory Subscription of e-journals for all Institutions conducting program in Management

S. No.	Publisher	Subjects
1	EBSCO	Management