

वीर माधो सिंह भण्डारी उत्तराखण्ड प्रौद्योगिकी विश्वविद्यालय से सम्बद्ध संस्थानों में संचालित एम0टैक0,बी0टैक0,एम0बी0ए0,एम0सी0ए0 एवं बी0एच0एम0सी0टी0 में नवीन पाठ्यक्रम एवं सीट वृद्धि/अस्थाई सम्बद्धता विस्तारण किय जाने हेतु ए0आई0सी0टी0ई0 के मानकनुसार संस्थान में मानकवार पूर्ति कि स्थिति की आख्या/अभिमत/उपलब्धता/सूचनाएं भरे जाने सम्बन्धी प्रारूप।

संस्थान का नाम:

पाठ्यक्रम का नाम:

(A) Land Requirements for the Technical Institutions (Land Area requirement in Acre)

Programme (1)	Under Graduate Programme (2)		Land in Institution	
	Urban	Rural	(1)	(2)
Engineering and Technology	2.5 Acre	7.5 Acre		
Hotel Management and Catering Technology	1.0 Acre	2.0 Acre		
MCA	0.5 Acre	1.0 Acre		
Management	0.5 Acre	1.0 Acre		

(B) Instructional Area (Carpet Area) in Sq.m for Engineering & Technology (UG & PG)

Particulars (1)	Number of Rooms required (2)	Carpet Area in Sq.m per Room (3)	Carpet Area in Institution per Room		
			(1)	(2)	(3)
Class Rooms	Total Number of Divisions x 0.75	66/33*			
Tutorial Rooms	25% of Total Class Room	33			
Laboratory for First Year	4 (which includes 2 Laboratories for Basic sciences)	66			
Laboratory other than First Year	2 per Course per Year	66			
Laboratory for Post Graduate Courses	1 per Course	66			
	1 Research Laboratory				

Workshop#	1	200			
Additional Laboratory/workshop for "X" Category Course	1	200			
Drawing Hall#	1	132			
Computer Centre#	1	150			
Seminar Hall	1	132			
Library++	1	400			
Language Laboratory+	1	33			

***Applicable for Post Graduate Course only.++Additional Library area of 50 m2 per 60 Students beyond 420 "Approved intake".**

"X" Category Courses such as Mechanical, Production, Civil, Electrical, Chemical, Textile, Marine, Aeronautics and Allied Courses shall require an Additional Laboratory/Workshop.

Drawing Halls, Computer Centres and Workshops to be created as given below:

Approved Intake	Computer Centre	Workshop	Drawing Hall
Up to 600	1	1	1
601-1200	2	2	2
Infrastructure Requirement shall be calculated on pro rata basis for "Approved Intake" greater than 1200			

(C) Hotel Management & Catering Technology (Graduate /Post Graduate Degree) Institution.

Particulars (1)	Number of Rooms required (2)	Carpet Area in m ² per Room (3)	Carpet Area in Institution		
			(1)	(2)	(3)
Class Rooms	No. of Division x 0.75	66/33**			
Tutorial Rooms+	25% of total Class Room	33			
Laboratory (Guest Room/House Keeping/Front Office/Kitchen) for first year	3	66			
Laboratory (Guest Room/House Keeping/Front Office/Kitchen) other than First Year	2 per Course per Year	66			
Laboratory/Guest Room for Post Graduate Programme	1 per Specialization	66			
Kitchen with Dining Hall	1	132			
Restaurant	2	66			
Computer Centre	1	75			
Seminar Hall	1	132			
Library	1	150			
Language Laboratory	1	33			

+ For Post Graduate Course, Tutorial Rooms not required. ** Applicable for Post Graduate Course only. For Courses having more than 2 Divisions, ONE Additional Laboratory for each Division need to be created Under Graduate Laboratories, if shared with Post Graduate Courses shall be upgraded to meet requirements of Post Graduate Curriculum.

Research Laboratory shall be provided with an area of 66 m2 for each Institution offering Post Graduate Courses.

The Institution shall have one Smart Class Room/Course with LCD projector, Smart Board, Internet Connection, etc.

(D) MCA/Integrated MCA Institution

Particular (1)	Number of Rooms required (2)	Carpet Area in m ² per Room (3)	Carpet Area in Institution		
			(1)	(2)	(3)
Class Rooms	1 per Division per Year	66			
Tutorial Rooms	25% of total Class Room	33			
Computer Laboratory	1	66			
Computer Centre	1	150			
Seminar Hall	1	132			
Library	1	100			

If the Institution has more than 2 Divisions, one Additional Laboratory for each Division need to be created.

Institutions shall have MOOCs Facility Centre and Innovation Laboratory.

(E) Management (MBA//Integrated Degree) Institution

Particular (1)	Number of Rooms required (2)	Carpet Area in m ² per Room (3)	Carpet Area in Institution		
			(1)	(2)	(3)
Class Rooms	1 per Division per Year	66			
Tutorial Rooms	25% of total Class Room	33			
Computer Centre	1	150			
Seminar Hall	1	132			
Library	1	100			

(F) Administrative Area (Carpet Area) in m²

Particulars	Principal/ Director	Board Room	Office all inclusive	Cabin for Head of Department & Department Office	Faculty Room	Central Stores	Maintenance	Security	House Keeping	Pantry for Staff	Examination Control Office	Placement Office
Carpet Area in m ² per Room	30	22	150*	20	5	30	10	10	10	10	30	30
			300Š									
Number of Rooms required for new Technical Institution	1	1	1	-	First Year Student intake/1 5	1	1	1	1	1	1	-
Total Number of Rooms	1	1	1	1/Department	One per Faculty (as per norms) in the Institution	1	1	1	1	1	1	1
Detail of Institute/ College (with Course)												

Š Technical Institution having more than one Programme.

*Technical Institution having one Programme.

(G) Amenities Area (Carpet Area) in m²

Particulars	Toilets (Ladies & Gents)	Boys Common Room	Girls Common	Cafeteria	Stationery Store & Reprography	First Aid cum Sick Room	Principal's quarter	Guest House	Sports Club/Gymnasium	Auditorium/Amphi Theatre	Boys Hostel	Girls Hostel
Carpet Area in m ² per Room for the Technical Campus having more than one Programme	350*	100	100	150	10	10	150	30	200	400	Adequate	Adequate
Carpet Area in m ² per Room for Technical Campus having one programme	150 [§]	75	75	150	10	10	150	30	100	250		
Number of Rooms required for the the new Technical Institution	Adequate	1	1	1	1	1	-	-	-	-	-	-
Total Number of Room	Adequate	1	1	1	1	1	Desirable	Desirable	Desirable	Desirable	Desirable	Desirable

*Total area for the Technical Institution having more than one Programme.

§ Total area for the Technical Institution having one programme.

(E) Computers, Software, Internet and Printers

Programme		Number of PCs/ Laptop to student ratio (Minimum 20 PCs)	Legal System Software	Legal Application Software	LAN and Internet	Mail Server and Client	Printers including Color Printer (% of total number of PCs/Laptops)
Engineering & Technology	Under Graduate	1:6	03	20	All	Desirable	5%
	Post Graduate	1:4					
Hotel Management & Catering Technology	Under Graduate	1:6	01	10	All	Desirable	5%
MCA	Post Graduate	1:4	03	20	All	Desirable	5%
Management	Post Graduate	1:6	01	10	All	Desirable	5%
Detail of Institute/ College (with Course)							

(F) Books and Library and Experiments

Programme	Total Number of Divisions	Titles	Volumes	Reading Room Seating	Multimedia PCs for Digital Library/ internet Surfing located in the reading room
				% of Total Students	% of Total Student
Engineering & Technology (Under Graduate)	B	100#	500xB#	15% (Max 150)	Minimum 10
		50 per* Course	250 per* Course		
Hotel Management and Catering Technology (Under Graduate)	B	100#	500xB#	15% (Max 150)	Minimum 10
		50*	500xB*		
Engineering & Technology/ Hotel Management and Catering Technology (Post Graduate)	B	50#	200#	15% (Max 150)	Minimum 10
		As Š Required	100 Š		
MCA/MBA	B	100#	500xB#	25% (Max 100)	Minimum 10
		50*	500xB*		
Detail of Institute/ College (with Course)					

B – Number of Divisions at First year. # - Book Titles and Volumes required at the time of starting a new Technical Institution equally distributed per subject. * - Annual Increment equally distributed per subject. Š – Component for additional Division/ Course.

(G) Norms for Faculty Requirements and Cadre Ratio of the Technical Institutions:

(i) (Under Graduate Degree Programme)

Programme	Faculty: Student based on Approved Intake	Principal/Director	Professor	Associate Professor	Assistant Professor	Total
		(A)	(B)	(C)	(D)	A+B+C+D
Engineering & Technology	1:20	1	S	S	S	S
			----- - 1 20xR	----- x2 20xR	----- x6 20xR	----- 20
Hotel Management & Catering Technology	1:20	1	S	S	S	S
			----- - 1 20xR	----- x2 20xR	----- x6 20xR	----- 20
S- Sum of the number of Students as per “Approved Intake” for all years, $R=(1+2+6)=9$						

(Post Graduate Degree Programme)

Programme	Faculty: Student based on Approved Intake	Principal/Director	Professor	Associate Professor	Assistant Professor	Total
		(A)	(B)	(C)	(D)	A+B+C+D
*Engineering & Technology	1:15	-	S ----- 15xR	S ----- 15xR	S ----- 15xR	S ----- 15
*Hotel Management & Catering Technology	1:12	-	S ----- 12xR	S ----- 12xR	S ----- 12xR	S ----- 12
#MCA	1:20	1	S ----- -1 20xR	S ----- x 2 20xR	S ----- x 6 20xR	S ----- 20
#MBA	1:20	1	S ----- - 1 20xR	S ----- x 2 20xR	S ----- x 6 20xR	S ----- 20
<p>S – Sum of the number of students as per “Approved Intake” for all years in case of no-availability of qualified Professor, and Associate Professor may be considered. *R=(1+1+1); #R= (1+2+6)</p>						