

COLLEGE OF ENGINEERING AND TECHNOLOGY, AKOLA

Accredited By NAAC With 'A' Grade (CGPA 3.27)

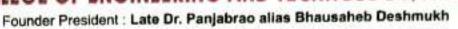
CRITERIA 2

2.4.1 Sanction Letters Indicating Number of Post Sanctioned by Competent Authority



Shri Shivaji Education Society, Amravati's

COLLEGE OF ENGINEERING AND TECHNOLOGY, AKOLA



At. Post. Babhulgaon (Jh.) NH.6, Tal.Dist. AKOLA (M.S.) 444 104 Phone : 0724 - 2259024, 7387523332

President : Shri. Harshvardhan P. Deshmukh

Principal : Dr. S. K. Deshmukh

Date: 04/05/2023

Declaration

This is to declare that the information, reports, true copies and numerical data etc

Furnished in this file as supporting documents is verified by IQAC and found correct.

Dr. S. K. Patil

IQAC Coordinator

Dr. S. K. Patil 10/C Coordinator Callegs of Engineering and Technology

AKONA

Dr. S. K. Deshmukh

Principal

Principal College of Engg. & Tech., Akela





Shri Shivaji Education Society, Amravati's College of Engineering & Technology, Akola

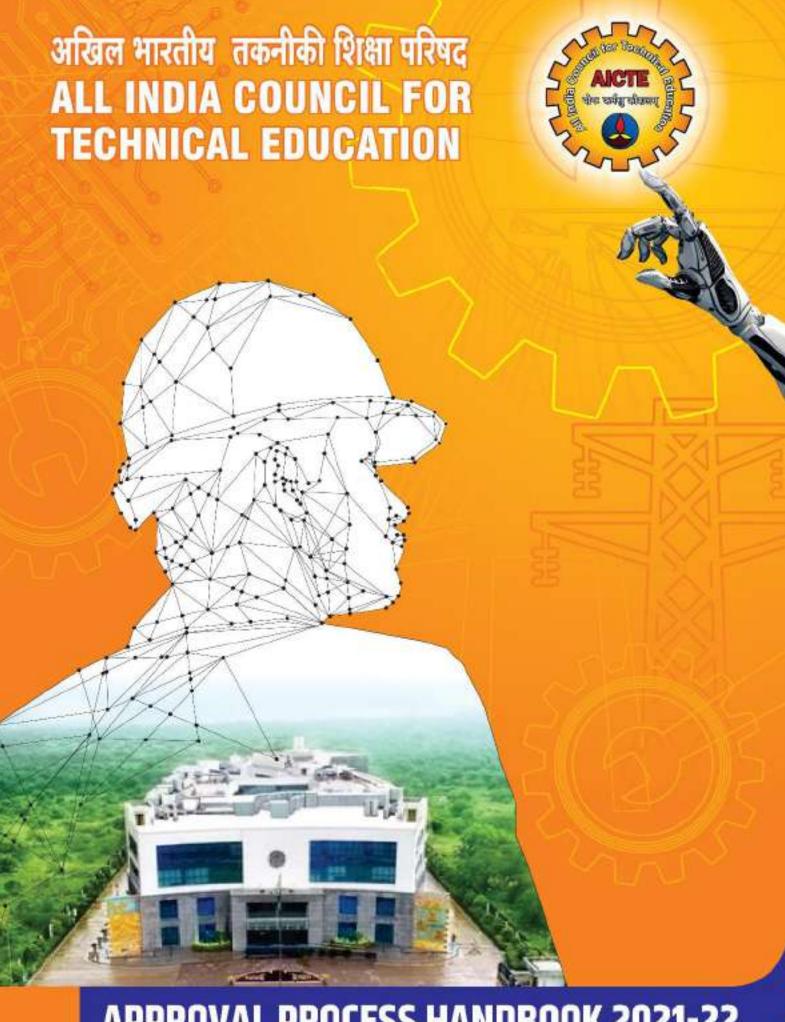
At post: Babhulgaon (Jh) N.H No 6 Tal. Dist. Akola (M.S) 444104

2.4 Teacher Profile & Quality

- 2.4.1 Number of Full time Teachers
- 2.4.1.1 Number of Sanctioned posts for Teachers

	2021-22	2020-21	2019-20	2018-19	2017-18
Number of Full time Teachers	85	74	85	82	83
Number of Sanctioned posts for Teachers	86	86	86	81	81

Principal College of Engg. & Tech., Akola



APPROVAL PROCESS HANDBOOK 2021-22

APPENDIX-7

Norms for Faculty Requirements and Cadre Ratio of the Technical Institutions

Diploma/ Post Diploma Certificate Programme

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Head of the Department	Faculty	Total
		Α	В	C	D = A+B+C
Engineering and Technology/ AppliedArts and Crafts Design/ HotelManagement and Catering Technology	1:25	1	1 per Department	(S/ 25) – 1	S/25
S - Sum of the numb	per of students as per "Appro	ved Intake" at all	vears		

	Associate Professor	ipal/ Profes	Faculty: Stude on Approved	Programme
D A+B+C+E	С	В		
$\times 2$ $\frac{S}{20xR} \times 6$ $\frac{S}{20}$	$\frac{S}{20xR} \times 2$	<u>S</u> 20xR	1:20	Engineering and Technology
x 2	S 16xR x 2	<u>S</u> 16xR	1:16	Planning
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S x 2	<u>S</u> 10xR	1:10	Applied Arts and Crafts
$\times 2$ $\frac{S}{10xR} \times 6$ $\frac{S}{10}$	S x 2	<u>S</u> 10xR	1:10	Design
$\times 2$ $\frac{S}{20xR} \times 6$ $\frac{S}{20}$	S 20xR x 2	<u>S</u> 20xR	1:20	Hotel Management and Catering Technology
_			1:20 number of studer	Management and Catering Technology

7.3 Post Graduate Degree Programme

Programme	Faculty: Student based on	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
	Approved Intake	Α	В	C	D	A+B+C+D
*Engineering and Technology	1:15	-	<u>S</u> 15xR	<u>S</u> 15xR	<u>S</u> 15xR	<u>S</u> 15
Planning	1:10	-	<u>S</u> 10xR	S 10xR	S 10xR	<u>S</u> 10
Applied Arts and Crafts	1:10	-	<u>S</u> 10xR	<u>S</u> 10xR	S 10xR	<u>S</u> 10
Design	1:7.5	-	<u>S</u> 7.5xR	<u>S</u> 7.5xR	<u>S</u> 7.5xR	<u>S</u> 7.5
*Hotel Management and Catering Technology	1:12	-	<u>S</u> 12xR	<u>S</u> 12xR	<u>S</u> 12xR	<u>S</u> 12
#MCA	1:20	1	S -1	S 20xR × 2	S × 6	<u>S</u> 20
#MBA/ PGDM	1:20	1	S -1	$\frac{S}{20xR} \times 2$	S x 6	<u>S</u> 20

S - Sum of the number of students as per "Approved Intake" for all years In case of non-availability of qualified Professor, an Associate Professor may be considered.

$$*R = (1+1+1); *R = (1+2+6)$$

In case of non-availability of qualified Professor, an Associate Professor may be considered.

In Integrated Planning Course, Faculty requirement is 1:16 for the first three years and 1:10 for the next two years.

Cadre Ratio shall be 1:2:6 (Not applicable to Diploma Level).

However, Institutions Deemed to be Universities/Institutions having Accreditation/Autonomy status shall have Faculty: Student ratio of 1:15 in Under Graduate Degree Level in Engineering and Technology and maintain a better Cadre ratio in order to achieve excellence in Technical Education & Research.

Considering the time required to complete the procedure for recruitment of Faculty, receiving Block grants from the concerned State Government, etc., all such Institutions shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS(AY 2020-21& 2021-22) to fulfil the norms and an Affidavit for the same shall have to be submitted to AICTE.



7.0 Norms for Faculty requirements and Cadre Ratio of the Technical Institutions

7.1 Diploma/ Post Diploma Certificate Programme

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Head of the Department	Lecturer	Tota1
		A	В	С	D = A + B + C
Engineering and Technology/ Architecture/ Applied Arts and Crafts/ Design/ Hotel Management and Catering Technology	1:25	1	1 per Department	(S/ 25) – 1	\$/25
Pharmacy	1:20	1	1 per Department	(S/20) – 1	S/20
S ~ Sum of the number	of students as	per "Approved l	Intake" at all years	•	

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	С	D	A+B+C+D
Engineering and Technology	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$
Pharmacy	1:15	1	$\frac{S}{15xR}$ -1	$\frac{S}{15xR} \times 2$	$\frac{S}{15xR} \times 6$	$\frac{S}{15}$
Architecture and Planning						
a. Architecture	1:10	1	$\frac{S}{10xR}$ – 1	$\frac{S}{10xR} \times 2$	$\frac{S}{10xR} \times 6$	$\frac{S}{10}$
b. Planning	1:16	1	$\frac{S}{16xR}$ -1	$\frac{S}{16xR} \times 2$	$\frac{S}{16xR} \times 6$	$\frac{S}{16}$
Applied Arts Crafts and Design						
a. Applied Arts and Crafts	1:10	1	$\frac{S}{10xR} - 1$	$\frac{S}{10xR} \times 2$		$\frac{S}{10}$
b. Design	1:10	1	$\frac{S}{10xR}-1$	$\frac{S}{10xR} \times 2$	$\frac{S}{10xR} \times 6$	$\frac{S}{10}$
Hotel Management and Catering Technology	1:20	1		$\frac{S}{20xR} \times 2$		$\frac{S}{20}$
S ~ Sum of the	number of studen	ts as per "App	roved Intake"	for all years, R	= (1+2+6)	•



Programme	Faculty: Student based on Approved Intake	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	С	D	A+B+C+D
*Engineering and Technology	1:15	~	$\frac{S}{15xR}$	$\frac{S}{15xR}$	$\frac{S}{15xR}$	$\frac{S}{15}$
*Pharmacy						
M.Pharm.	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
Pharm.D.	1:15	~	$\frac{S}{15xR}$	$\frac{S}{15xR}$	$\frac{S}{15xR}$	$\frac{S}{15}$
*Architecture and Planning						
a. Architecture	1:8	~	$\frac{S}{8xR}$	$\frac{S}{8xR}$	$\frac{S}{8xR}$	$\frac{S}{8}$
b. Planning	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
*Applied Arts Crafts and Design						
a. Applied Arts and Crafts	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
b. Design	1:7.5	~	$\frac{S}{7.5xR}$	$\frac{S}{7.5xR}$	$\frac{S}{7.5xR}$	$\frac{S}{7.5}$
*Hotel Management and Catering Technology	1:12	~	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12xR}$	<u>S</u> 12
#MCA	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$ $\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$ $\frac{S}{20xR} \times 6$	$\frac{S}{20}$
#MBA/ PGDM	1:20	1	$\frac{S}{20xR} - 1$	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{\frac{S}{20}}{\frac{S}{20}}$

S - Sum of the number of students as per "Approved Intake" for all years In case of non-availability of qualified Professor, an Associate Professor may be considered. *R = (1+1+1); #R = (1+2+6)

In Integrated Planning Course, Faculty requirement is 1:16 for the first three years and 1:10 for the next two years.

Cadre Ratio shall be 1:2:6 (Not applicable to Diploma Level).

However, Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have Faculty: Student ratio of 1:15 in Under Graduate Degree Level in Engineering and Technology and maintain a better Cadre ratio in order to achieve excellence in Technical Education. Considering the time required to complete the procedure for recruitment of Faculty, receiving Block grants from the concerned State Government, etc., all such Institutions shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms and an Affidavit for the same shall have to be submitted to AICTE.





7.0 Norms for Faculty requirements and Cadre Ratio for the Technical Institutions

7.1 Diploma/ Post Diploma Certificate Programme

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Head of the Department	Lecturer	Total
		A	В	С	D = A + B + C
Engineering and Technology/ Architecture/ Applied Arts and Crafts/ Design/ Hotel Management and Catering Technology/ Management	1:25	1	1 per Department	(S/ 25) – (A+B)	S/25
Pharmacy	1:20	1	1 per Department	(S/ 20) – (A+B)	S/20
S - Sum of the number	of students as	per "Approved l	intake" at all years	•	•

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	С	D	A+B+C+D
Engineering and Technology	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$
Pharmacy	1:15	1	$\frac{S}{15xR}$ -1	$\frac{S}{15xR} \times 2$	$\frac{S}{15xR} \times 6$	$\frac{S}{15}$
Architecture and Planning						
a. Architecture	1:10	1	$\frac{S}{10xR}-1$	$\frac{S}{10xR} \times 2$	$\frac{S}{10xR} \times 6$	$\frac{S}{10}$
b. Planning	1:16	1	$\frac{S}{16xR}$ -1	$\frac{S}{16xR} \times 2$	$\frac{S}{16xR} \times 6$	$\frac{S}{16}$
Applied Arts Crats and Design						
a. Applied Arts and Crafts	1:10	1	$\frac{S}{10xR} - 1$	$\frac{S}{10xR} \times 2$	$\frac{S}{10xR} \times 6$	<u>S</u>
b. Design	1:10	1	$\frac{S}{10xR}-1$	$\frac{S}{10xR} \times 2$	$\frac{S}{10xR} \times 6$	$\frac{S}{10}$
Hotel Management and Catering Technology	1:20 number of studen	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$

7.3 Post Graduate Degree Programme

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	С	D	A+B+C+D
*Engineering and Technology	1:12	~	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12}$
*Pharmacy						
M.Pharm.	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
Pharm. D.	1:15	~	$\frac{S}{15xR}$	$\frac{S}{15xR}$	$\frac{S}{15xR}$	<u>S</u> 15
*Architecture and Planning						
a. Architecture	1:8	~	$\frac{S}{8xR}$	$\frac{S}{8xR}$	$\frac{S}{8xR}$	$\frac{S}{8}$
b. Planning	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
*Applied Arts Crafts and Design						
a. Applied Arts and Crafts	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
b. Design	1:7.5	~	$\frac{S}{7.5xR}$	$\frac{S}{7.5xR}$	$\frac{S}{7.5xR}$	$\frac{S}{7.5}$
*Hotel Management and Catering Technology	1:12	~	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12xR}$	<u>S</u> 12
#MCA	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$
#MBA/ PGDM	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$

S - Sum of the number of students as per "Approved Intake" for all years

In Integrated Planning Course, Faculty requirement is 1:16 for the first three years and 1:10 for the next two years.

Cadre Ratio shall be 1:2:6 (Not applicable to Diploma Level).

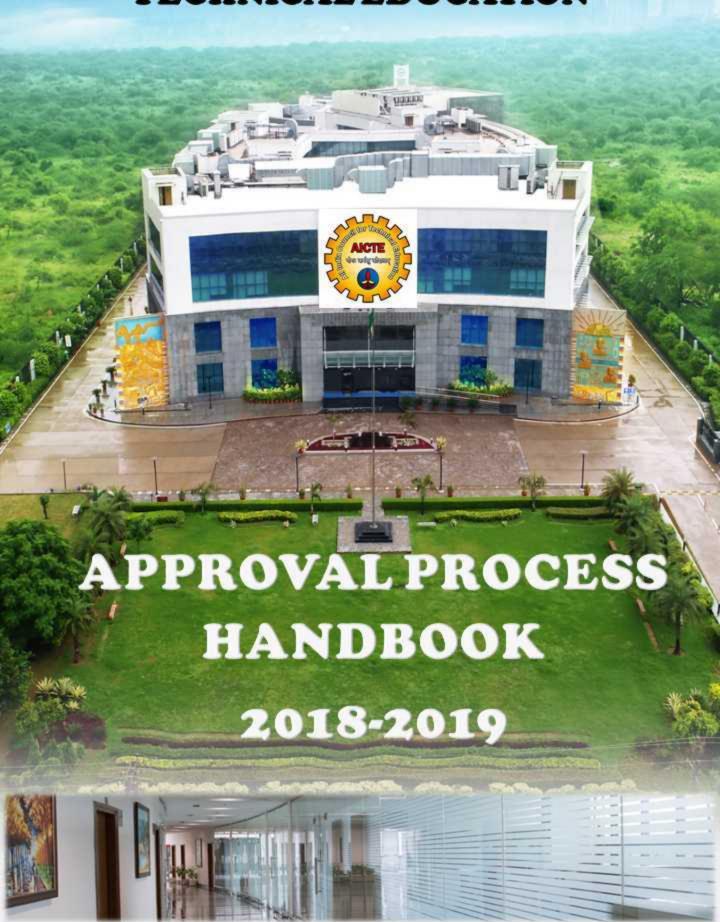
However, Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall maintain a better Cadre ratio.



^{*}R = (1+1+1), In case of non-availability of qualified Professor, an Associate Professor may be considered.

 $^{^{\#}}R = (1+2+6)$





7.0 Norms for Faculty requirements and Cadre Ratio for Technical Institution

7.1 Diploma/ Post Diploma Programme

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Head of the Department	Lecturer	Total
		A	В	С	D = A + B + C
Engineering and Technology/ Architecture/ Planning/ Applied Arts and Crafts/ Hotel Management and Catering Technology	1:25	1	1 per Department	(S/ 25) – (A+B)	S/25
Pharmacy	1:20	1	1 per Department	(S/ 20) – (A+B)	S/20
S - Sum of number of s	tudents as per	"Approved Inta	ke" at all years		

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	С	D	A+B+C+D
Engineering and Technology	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$
Pharmacy	1:15	1	$\frac{S}{15xR}$ -1	$\frac{S}{15xR} \times 2$	$\frac{S}{15xR} \times 6$	$\frac{S}{15}$
Architecture and Planning						
a. Architecture	1:16	1	$\frac{S}{16xR}$ -1	$\frac{S}{16xR} \times 2$	$\frac{S}{16xR} \times 6$	$\frac{S}{16}$
b. Planning	1:16	1	$\frac{S}{16xR}$ -1	$\frac{S}{16xR} \times 2$	$\frac{S}{16xR} \times 6$	$\frac{S}{16}$
Applied Arts and Crafts	1:10	1	$\frac{S}{10xR}$ – 1	$\frac{S}{10xR} \times 2$	$\frac{S}{10xR} \times 6$	$\frac{S}{10}$
Hotel Management and Catering Technology	1:20	1		$\frac{S}{20xR} \times 2$		$\frac{S}{20}$
S ~ Sum of nur	nber of students a	s per "Approve	ed Intake" for a	all years, $R = ($	1+2+6)	

7.3 Post Graduate Degree Programme

Programme	Faculty: Student based on Approved Intake	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	С	D	A+B+C+D
*Engineering and Technology	1:12	~	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12}$
*Pharmacy	1:5	~	$\frac{S}{5xR}$	$\frac{S}{5xR}$	$\frac{S}{5xR}$	$\frac{S}{5}$
*Architecture and Planning						
a. Architecture	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
b. Planning	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
*Applied Arts and Crafts	1:10	~	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
*Hotel Management and Catering Technology	1:12	~	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12}$
#MCA	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$
#MBA/ PGDM	1:20	1	$\frac{S}{20xR}$ -1	$\frac{S}{20xR} \times 2$	$\frac{S}{20xR} \times 6$	$\frac{S}{20}$

S - Sum of number of students as per "Approved Intake" for all years

*R = (1+1+1), #R = (1+2+6)

Number for Science and Humanities Faculty depends on the University Curriculum.

The Second Shift shall have 50% Faculty from those working in Regular/First shift and 50% additional Faculty are to be appointed for each Second Shift Course.

For every Post Graduate Course, there should be at least one Professor with Ph.D. qualification.

Cadre Ratio shall be 1:2:6.



All India Council for Technical Education Approval Process Handbook (2017 – 2018)



7.0 Norms for Faculty requirements and Recommended Cadre Ratio for Technical Institution

7.1 Diploma/ Post Diploma Programme

	Faculty: Student based on Approved Intake*	Principal/ Director	Head of the Department	Lecturer	Total
		A	В	С	D = A + B + C
Engineering and Technology/ Pharmacy/ Architecture/ Planning/ Applied Arts and Crafts, HMCT	1:20	1	1 per Department	(S/ 20) – (A+B)	S/20

^{*} Of which, a minimum of 80 % should be Regular/ full time faculty and the remaining shall be Adjunct Faculty/ Resource persons from industry as per Annexure 10.

7.2 Under Graduate Programme

	Faculty: Student based on Approved Intake*	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	C	D	A+B+C+D
Engineering and Technology	1:15	1	$\frac{S}{15xR}$ -1	$\frac{S}{15xR} \times 2$	$\frac{S}{15xR} \times 6$	<u>S</u> 15
Pharmacy	1:15	1			$\frac{S}{15xR} \times 6$	
Architecture and Planning	1:16	1	$\frac{S}{16xR}$ -1	$(\frac{S}{16xR} \times 2)$	$(\frac{S}{16xR} \times 6)$	$\frac{S}{16}$
a. Architecture						
b. Planning						
Applied Arts and Crafts	1:10	1	$\frac{S}{10xR}$ -1	$\frac{S}{10xR} \times 2$		$\frac{S}{10}$
НМСТ	1:15	1	$\frac{S}{15xR}$ - 1	$\frac{S}{15xR} \times 2$	$\frac{S}{15xR} \times 6$	<u>S</u> 15

^{7.1} a S = Sum of number of students as per "Approved Intake" at all years



- * Of which, a minimum of 80 % should be Regular/ full time faculty and the remaining shall be Adjunct Faculty/ Resource persons from industry as per Annexure 10.
- S = Sum of number of students as per "Approved Intake" for all years, R = (1+2+6)

7.3 Post Graduate Programme

	Faculty: Student based on Approved Intake\$	Principal/ Director	Professor	Associate Professor	Assistant Professor	Total
		A	В	C	D	A+B+C+D
*Engineering and Technology	1:12	-	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12xR}$	<u>S</u> 12
*Pharmacy	1:10	-	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
*Architecture and Planning						
a. Architecture	1:10	-	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
b. Planning	1:10	-	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
*Applied Arts and Crafts	1:10	-	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10xR}$	$\frac{S}{10}$
*HMCT	1:12	-	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12xR}$	$\frac{S}{12}$
#MBA/ PGDM	1:15	1	$\frac{S}{15xR}$ -1	$\frac{S}{15xR} \times 2$	$\frac{S}{15xR} \times 6$	$\frac{S}{15}$
#MCA	1:15	1	$\frac{S}{15xR}$ -1	$\frac{S}{15xR} \times 2$	$\frac{S}{15xR} \times 6$	$\frac{S}{15}$

S = Sum of number of students as per "Approved Intake" for all years *R = (1+1+1), *R = (1+2+6)

\$ Of which, a minimum of 80 % should be Regular/ full time faculty and the remaining shall be adjunct faculty/ resource persons from industry as per Annexure 10.

For every PG Course, there should be at least one Professor with Ph.D. qualification.

Recommended Cadre Ratio shall be 1:2:6 or better.