

As per AICTE Handbook 2016-17

- Cadre Ratio for UG Program is : 1:15
- Formula for calculation of different post

$$13. \text{Professor} : \frac{S}{15 \times R} - 1$$

$$14. \text{Associate Professor} : \frac{S}{15 \times R} \times 2$$

$$15. \text{Assistant Professor} : \frac{S}{15 \times R} \times 6$$

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

Mechanical Engineering current Sanction Intake after reduction is :

As per above formula : Calculation of post is as below

As per Sanction Intake Student strength for A.Y. 2016-17 = 1740

$$\text{Professor} = \frac{1740}{15 \times 9} - 1 = \frac{1740}{135} - 1 = 12.88 - 1 = 11.88 \text{ (Round off 12)}$$

$$\text{Associate Professor} = \frac{1740}{15 \times 9} \times 2 = \frac{1740}{135} \times 2 = 12.88 \times 2 = 25.76 \text{ (Round off 26)}$$

$$\text{Assistant Professor} = \frac{1740}{15 \times 9} \times 6 = \frac{1740}{135} \times 6 = 12.88 \times 6 = 77.33 \text{ (Round off 77)}$$

Total Sanctioned Post as per formula

Professor	12
Associate Professor	26
Assistant professor	77(78)
Total	115(116)



Principal

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