As per AICTE Handbook 2019-20

- **Cadre Ratio for UG Program is : 1:20**
- **Formula for calculation of different post**

4. **Professor** : $\frac{S}{20\times R} - 1$

5. **Associate Professor** : $\frac{S}{20\times R} \times 2$

6. **Assistant Professor** : $\frac{S}{20\times R} \times 6$

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 :

<u>As per above formula : Calculation of post is as below</u>

As per Sanction Intake Student strength for A.Y. 2019-20 =1380

Professor $= \frac{1380}{20\times 9} - 1 \quad = \frac{1380}{180} - 1 \quad = 7.66 - 1 \quad = 6.66$ (Round off 7)

Associate Professor $= \frac{1380}{20\times 9} \times 2 \quad = \frac{1380}{180} \times 2 \quad = 7.66\times 2 \quad = 15.32$ (Round off **15**)

Assistant Professor $= \frac{1380}{20\times 9} \times 6 \quad = \frac{1380}{180} \times 6 \quad = 7.66 \times 6 \quad = 45.96$ (Round off **46**)

Total Sanctioned Post as per formula

Professor	7
Associate Professor	15
Assistant professor	46 (47)
Total	**68 (69)**

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