As per AICTE Handbook 2020-21

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

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

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

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

S = sum of number f 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. 2020-21 =1200

Professor $= \dfrac{1200}{20 \times 9} - 1$ $= \dfrac{1200}{180} - 1$ $= 6.66 - 1$ $= \mathbf{5.66}$ (Round off **6**)

Associate Professor $= \dfrac{1200}{20 \times 9} \times 2$ $= \dfrac{1200}{180} \times 2$ $= 6.66 \times 2$ $= \mathbf{13.32}$ (Round off **13**)

Assistant Professor $= \dfrac{1200}{20 \times 9} \times 6$ $= \dfrac{1200}{180} \times 6$ $= 6.66 \times 6$ $= \mathbf{39.96}$ (Round off

40(41))

Total Sanctioned Post as per formula

Professor	6
Associate Professor	13
Assistant professor	40 (41)
Total	59 (60)

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