

**SURENDERA DENTAL COLLEGE & RESEARCH INSTITUTE**  
**SRIGANGANAGAR (RAJASTHAN)**

**2.6.2 Trend analysis in graphical format**

$Y_1$  = Pass percentage of the year 2017-2018 = 67.8%

$Y_2$  = Pass percentage of the year 2018-2019 = 62.7%

$Y_3$  = Pass percentage of the year 2019-2020 = 78.5%

$Y_4$  = Pass percentage of the year 2020-2021 = 82.1%

$Y_5$  = Pass percentage of the year 2021-2022 = 72.7% (FINAL YEAR PG + FINAL YEAR UG ODD & REGULAR)

**Average passing percentage:**

$$\bar{Y} = 1/5 [Y_1 + Y_2 + Y_3 + Y_4 + Y_5] = 72.8\%$$

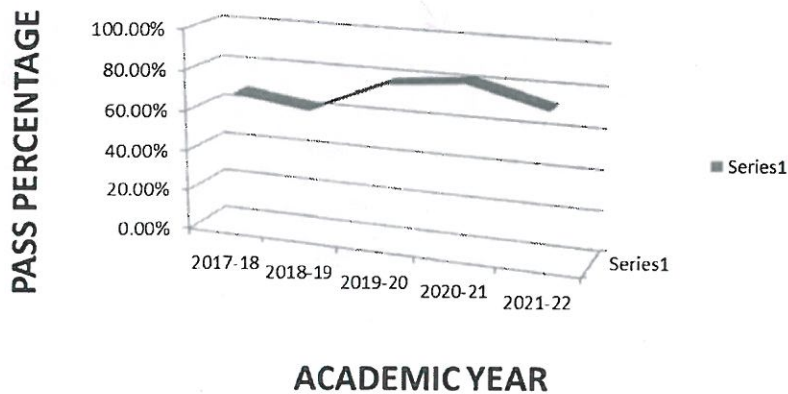
**Correction component (positive or negative) to account for trend in results:**

$$\begin{aligned} \bar{D} &= 1/4[(Y_2 - Y_1) + (Y_3 - Y_2) + (Y_4 - Y_3) + (Y_5 - Y_4)] \\ &= [-5.1\% + 15.8\% + 3.6\% - 9.4\%]/4 \\ &= 1.2\% \end{aligned}$$

**A measure of success cum progression at final examination over five years:**

$$\bar{Y} - \bar{D} / \bar{Y} * 100 = 98.35\%$$

**ICT – FINAL YEAR PASSOUT STUDENTS**



  
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