Department of CSE, UAP has decided to establish a Wi-Fi network for the students. As a network engineer, you have to give a proposal to the department head to allocate access link bandwidth to give a smoother Wi-Fi service for all the students. The following assumptions you have to keep in mind during the proposal.
Total Students Number = 800.
Active user 15% of total students.
In your proposal, you should explain the reason for choosing your proposed bandwidth. What extra thing you want to integrate into the access network for better internet user experiences.

Write your proposal here:

Here

Here, the Total student is 800
Active user is 15%
So the total active user is 800 * 15/100
= 120 person

Using binomial distribution
N p^x (1-p)^n-x
X

=c(800 120) * .15^120 (1-.15)^800-120
=C (800 120) (15)^120 (.75)^120