Algorithms

1. CrPA Calculator:

$$C_{1}PA = \frac{\chi_{1} + \chi_{2} + \chi_{3} + \chi_{3} + \chi_{3} + \chi_{3}}{\chi_{1} + \chi_{2} + \chi_{3} + \chi_{3} + \dots + \chi_{n}}$$

2. CGPA estimator:

i. CGPA calculation with grades and credits:

Let
$$a = \chi_{1}y_{1} + \chi_{2}y_{2} + \chi_{3}y_{3} + \cdots$$

$$b = \chi_{1} + \chi_{2} + \chi_{3} + \cdots$$

$$CGPA = \frac{(m \times n) + a}{n + b}$$

ii. CGPA estimation with GPA:

GPA = P

Credits = 9

Previous CGPA = M

Previous total credits = n

 $CGPA = \frac{(Pxq) + (mxn)}{n+q}$

iii. GPA estimator:

Previous CGPA = M

Previous total credits = n

Target CGPA = K

Credits = 1

GPA (estimated) = (KX K (n+l) - (nxm)