## SOLVE SIMULTANEOUS LINEAR EQUATION USING GAUSSIAN ELIMINATION METHOD

$$x+y-z=1$$
 Solve 
$$2x-y+2z=0 \\ x+2y-2z=2$$
 by using Gaussian Elimination Method.

$$\left( \begin{array}{cc} \\ \end{array} \right) \left( \begin{array}{c} \\ \end{array} \right) = \left( \begin{array}{c} \\ \end{array} \right)$$

$$\xrightarrow{\begin{array}{c}2R_1-R_2\\R_3-R_1\end{array}}\left(\begin{array}{c}\end{array}\right)$$

$$\xrightarrow{R_2+3R_3} \left( \qquad \qquad \right)$$

$$\begin{aligned}
 x + y - z \\
 3y - 4z &= \\
 -z
 \end{aligned}$$

$$z = y = x =$$

