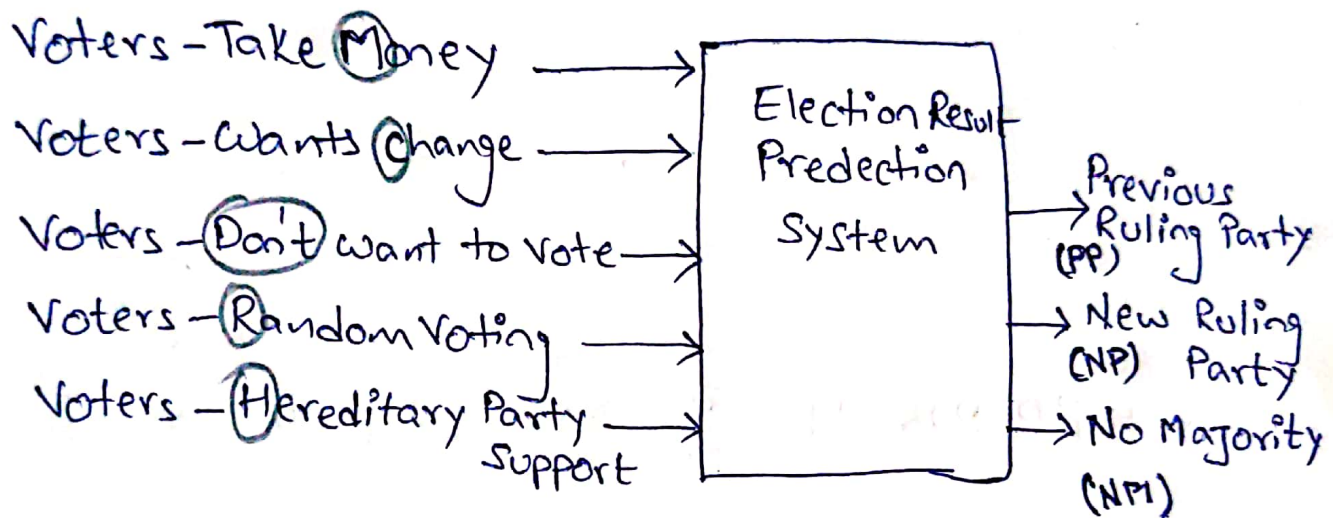


Assignment - 3

- Generate a linear system model for any classification domain.

① Election Prediction System :-



$$PP = a_1M + a_2C + a_3DN + a_4R + a_5H$$

$$NP = b_1M + b_2C + b_3DN + b_4R + b_5H$$

$$NM = c_1M + c_2C + c_3DN + c_4R + c_5H$$

$$\Rightarrow \begin{bmatrix} a_1 & a_2 & a_3 & a_4 & a_5 \\ b_1 & b_2 & b_3 & b_4 & b_5 \\ c_1 & c_2 & c_3 & c_4 & c_5 \end{bmatrix} \begin{bmatrix} M \\ C \\ DN \\ R \\ H \end{bmatrix} = \begin{bmatrix} PP \\ NP \\ NM \end{bmatrix}$$

\nearrow
 $AX = B$