

Kurumbapalayam (Po), Coimbatore – 641 107



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# **Topic: 3.3 – Pivoting Gauss Jordan method**

Grauss - Jordan Method to find the 2 Apply Grauss - Jordan method to find the solution of the following system:  solution of the following system:  101 + y + Z = 12; 2x + 10y + Z = 13;
since the coefficient of $\alpha$ in the last since the equations equation is unity, we rewrite the equations equation is unity, we first and the last. Hence interchanging the first and the last. Hence the augmented matrix is  (A, B) = $\begin{pmatrix} 1 & 1 & 5 & 1 & 7 \\ 2 & 10 & 1 & 13 & 12 \end{pmatrix}$
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3 Solve the following system by Gauss-Jordan method: 3x-y+2z=12, x+2y+3z=11, 2x-2y-z=2.

Since the coff. of a in the second squation is unity, we rewrite the equations interchanging the first and the second. Hence the augmented matrix is

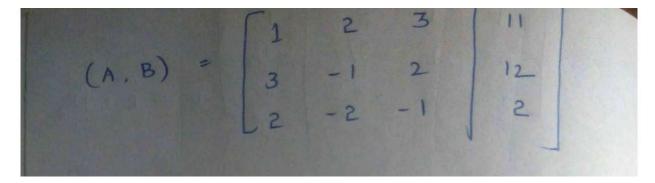


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