

# **Solution of System of Linear Algebraic Equation**

- 1. WAP to check consistency of System of Linear Algebraic Equation.**
- 2. WAP to find Solution of System of Linear Algebraic Equation with Gauss Elimination Method.**
- 3. WAP to find Solution of System of Linear Algebraic Equation with Gauss Elimination with Partial Pivoting Method.**
- 4. WAP to find Solution of System of Linear Algebraic Equation with Gauss Elimination with Complete Pivoting Method.**
- 5. WAP to find Solution of System of Linear Algebraic Equation with Gauss Jordan Method.**
- 6. WAP to find Solution of System of Linear Algebraic Equation with Doolittle Method (LU Factorization/Triangular Method).**
- 7. WAP to find Solution of System of Linear Algebraic Equation with Crout's Method (LU Factorization/Triangular Method).**
- 8. WAP to find Solution of System of Linear Algebraic Equation with Cramer's Rule Method.**
- 9. WAP to find Solution of System of Linear Algebraic Equation with Cholesky Method.**
- 10. WAP to find Solution of System of Linear Algebraic Equation with Matrix Inverse with Gauss Jordan Method.**
- 11. WAP to find Solution of System of Linear Algebraic Equation with Matrix Inverse with Gauss Elimination Method.**
- 12. WAP to find Solution of System of Linear Algebraic Equation with Matrix Inverse with Factorization Method.**
- 13. WAP to find Solution of System of Linear Algebraic Equation with Jacobi's Inverse Method.**
- 14. WAP to find Solution of System of Linear Algebraic Equation with Gauss Seidel Method.**
- 15. WAP to find Eigen Values by Power Method.**
- 16. WAP to check well condition and ill condition for System of Linear Algebraic Equation.**
- 17. WAP to Improve Accuracy of Ill conditioned System using Iterative Method.**

**NOTE: Assume 3\*3 matrix.**