

# Saitechinfo NEET-JEE Academy

Here is the hierarchical structure of **Matrices** converted into bullet points:

## Matrix

- **Types of Matrices**
  - Row Matrix
    - Order of a Matrix
  - Column Matrix
  - Null Matrix
  - Unit Matrix
  - Scalar Matrix
  - Diagonal Matrix
  - Inverse of a Square Matrix
  - 3×3 Order General Matrix
  - Square Matrix
    - Symmetric and Skew Symmetric Matrix
  - Rectangular Matrix
  - Invertible Matrix
- **Principle of Mathematical Induction**
- **Operations on Matrices**
  - Scalar Multiplication of a Matrix
    - Elements of the Matrix
  - Addition of Matrices
  - Determinant of a Square Matrix
    - Simultaneous Linear Equations based on Matrices
  - Subtraction of Matrices
  - Equality of Matrices
  - Multiplication of a Matrix
    - Transpose of a Matrix
    - Minors and Cofactors