Course: Basic Linear Algebra

Course Code: noc19-ma06

Session: 2018-19

Duration: 8 Weeks

Assessment procedures: Weekly Assignment (25%) + proctored certification Exam (75%)

Curriculum of the Course:

Week 1:
- Matrices
- Matrix operations
- REF

Week 2:
- Linear systems
- Gauss Elimination
- Inverse of a matrix

Week 3 :
- Rn; subspaces
- linear independence
- rank of a matrix

Week 4 :
- Determinants
- Rank
- Inveribility

Week 5 :
- Linear transformations
- rank-nullity

Week 6 :
- Inner product spaces
- Gram-Schmidt process

Week 7 :
- Eigenvalues
- Eigenvectors

Week 8 :
- Similarity
- Diagonalization
- Applications

List of students enrolled

S. No	Name of Student
1	Arun Kumar
2	Ashish Agrawal