



ADIKAVI NANNAYA UNIVERSITY
RAJAMAHENDRAVARAM
B.Sc Mathematics Syllabus 2020-21 A.Y
LINEAR ALGEBRA

SEMESTER-IV

Course Outcomes:

After successful completion of this course, the student will be able to;

- Understand the concepts of vector spaces, subspaces,
- Basises, dimension and their properties.
- Understand the concepts of linear transformations and their properties
- Apply Cayley- Hamilton theorem to problems for finding the inverse of a matrix and higher powers of matrices without using routine methods
- Learn the properties of inner product spaces and determine orthogonality in inner product spaces.