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| Swayam |
| **Mathematical Foundations for Machine Learning** |
| Prof. Ashok Rao, Prof. Arulalan Rajan | IISc Bangalore, NITK Surathkal |

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| VARUN KUMAR  10-10-2025 |

Table of Contents

[**Week – 01: Vector, Vector Space and Sub-Space** 2](#_Toc201063170)

[**Week – 02: Linear Transformations, Eigen Value, and Eigen Vector** 3](#_Toc201063171)

[**Week – 03: Orthogonality, Projection and Real Symmetric Matrices** 4](#_Toc201063172)

[**Week – 04: Singular Value Decomposition, Principal Component Analysis, Support Vector Machine and Applications** 5](#_Toc201063173)

[**Appendix – 01: Important Links** 6](#_Toc201063174)

# **Week – 01: Vector, Vector Space and Sub-Space**

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# **Week – 04: Singular Value Decomposition, Principal Component Analysis, Support Vector Machine and Applications**

# **Appendix – 01: Important Links**

Current: - <https://onlinecourses.nptel.ac.in/noc25_cs136/preview>

Playlist: - <https://www.youtube.com/playlist?list=PLgMDNELGJ1CYPJS6m_ygxb4KtHYxh1HjR>