

Channel Name: mathsforai
Topic wise List of video links
Subject: Engineering Mathematics-III

Sr. No.	Topic	Topic	link
1	Differential Equations	Differential Equations_Part-1 (short Answer Questions)	https://youtu.be/ls60r5LNdHY
2	Differential Equations	Differential Equations_Part-2(short Answer Questions)	https://youtu.be/ldblyDXc8b4
3	Differential Equations	Differential Equations(Long answer questions)	https://youtu.be/vIKc2ff47gw
4	Differential Equations	Symmetrical Simultaneous differential equations	https://youtu.be/2277kik8FtA
5	Numerical Method: Solution of system of linear algebraic equations	Gauss Elimination Method	https://youtu.be/kPyjWmkBEcE
6	Numerical Methods: Solution of system of linear algebraic equations	Gauss Seidel Method	https://youtu.be/o0sPqxKGhbs
7	Numerical Methods: Solution of system of linear algebraic equations	Cholesky Method	https://youtu.be/x6iOdl7xot4
8	Numerical Methods: Solution of first order differential Equations	Euler's Modified Method	https://youtu.be/8zwZNPORPUK
9	Numerical Methods: Solution of first order differential Equations	Runge Kutta Method Fourth order	https://youtu.be/m2-OUGyr8Cc
10	Numerical Methods: Solution of first order differential Equations	Predictor Corrector Method	https://youtu.be/6Wva0e1_tE
11	Statistics	Central Tendency: Mean Median Mode	https://youtu.be/6A3CEOPfA40
12	Statistics	Random Variable_CDF_PMF_PDF	https://youtu.be/6gui23lwuM0
13	Statistics	Co efficient of Correlation	https://youtu.be/3aeW3LKZ6LM
14	Statistics	Correlation and Regression	https://youtu.be/p_tnyRRiqlI
15	Statistics	Expectation and Variance of random variable	https://youtu.be/7gbrcjhsKA
16	Statistics	Moments Skewness Kurtosis	https://youtu.be/ikgkqPuil7M
17	Probability	Probability	https://youtu.be/JUR7F1q9Fq4

18	Probability	Probability density function	https://youtu.be/CSniSZMwplw
19	Probability	Binomial Probability Distribution	https://youtu.be/gqKaMbhrIB8
20	Probability	Poisson Distribution	https://youtu.be/CSniSZMwplw
21	Probability	Normal Distribution	https://youtu.be/FVlo7UXZado
22	Vector Differential Calculus	Preliminaries	https://youtu.be/Qci8gL5D6WE
23	Vector Differential Calculus	Gradient Divergence Curl	https://youtu.be/8Yh0ss8nDDE
24	Vector Differential Calculus	Directional Derivatives	https://youtu.be/fdkR9mek4j8
25	Vector Differential Calculus	Irrotational and Solenoidal vector field	https://youtu.be/tlmRgKxxSEQ
26	Vector Integral Calculus	Line Integral	https://youtu.be/7XYKj5O484
27	Vector Integral Calculus	Line Integral_Work done	https://youtu.be/Fnpw8sxvghc
28	Applications of Partial Differential Equations	Vibration of String/Wave Equations	https://youtu.be/sPbdn3mUDRs
29	Applications of Partial Differential Equations	One dimensional heat flow	https://youtu.be/WrBI7ZR1U6I
30	Applications of Partial Differential Equations	Two dimensional heat flow	https://youtu.be/RxDcCOaypPU