



A. D.Patel Institute of Technology, New V V Nagar
Affiliated with
Charutar Vidyamandal University (CVM University)



Webinar on “Prerequisite Mathematics for Diploma to Degree Students”

The Mathematics cell would like to offer an online certificate course for final year Diploma students. This course will help diploma student to overcome fear of Mathematics. It will also help them to understand the difficult concepts of engineering mathematics with ease and also help them to be competent.

Time: 10.00 a.m. to 11.00 a.m

Sr. No.	Date	Title	Speaker
1	01/06/2020	Introduction of determinant, value of determinant, properties of determinant	Prof.S.R.Patel
2	02/06/2020	Introduction of Matrix, Types of matrices, addition and multiplication of matrices, Inverse of matrix	Prof.kinnari Patil
3	03/06/2020	Trigonometry functions, Zero and range of trigonometry function	Prof.kinnari Patil
4	04/06/2020	Identities of trigonometry, important formulae of trigonometry	Dr.Rajiv Viradia
5	05/06/2020	Standard equation, properties of parabola ,ellipse, paraboloid and ellipsoid	Dr.Rajiv Viradia
6	08/06/2020	Standard equation, properties of circle ,hyperbola, sphere and hyperboloid.	Dr.N.B.Desai
7	09/06/2020	Limit and continuity of a function, introduction of Derivative,standard formulae of derivatives, examples based on standard formulae. Derivatives of composite function	Dr.N.B.Desai
8	10/06/2020	Chain rule, derivative of implicit function, derivative of inverse trigonometry functions.	Prof. M.D.Patel
9	11/06/2020	Logarithmic derivative, derivative of parametric functions, higher order derivatives	Prof.M.D.Patel
10	12/06/2020	Introduction of integration,standard formulae of integration, examples based on standard formulae.	Prof.M.D.Patel
11	15/06/2020	Integration by substitution method and partial fraction method.	Prof.S.R.Patel
12	16/06/2020	Integration by parts , introduction of definite integral and properties.	Prof.S.R.Patel

Notes:

- (1) The webinar will be delivered by Google Meet platform, meeting ID and Link will be sent through whatsapp.
- (2) There is **no registration fee** for the course.
- (3) Language of Communication will be **English/Hindi**.
- (4) This certification course is especially for Final Year Diploma Engineering students.

Registration link for course: <https://forms.gle/eL6MsyGB2QFUX1Wu8>

For any query you can contact on WhatsApp 9426341608(Mukesh Patel)

Mukesh Patel

Coordinator, Mathematics cell