



# Online Lecture on TRANSFORMATION (REDUCTION) OF QUADRATIC FORM TO CANONICAL FORM

**24 June, 2025 at 10:00 am**

**Organised by  
Department of Mathematics,  
Assam University, Silchar**

## Resource Person



**Dr. Manoj Kumar Patel**  
**Associate Professor**  
**NIT, Nagaland**

**Dr. Patel did his PhD from IIT (BHU) in Rings and Modules. His current area of interest include Rings and Modules, Cryptography and Coding Theory. He has published more than thirty research papers in various journals across the globe. Dr. Patel has also supervised three students for PhD. He is a member of various reputed bodies related to Mathematics.**

# Objective of the Lecture

The main objective of the lecture is to provide interested UG/PG students a foundation to canonical form.

## About the Department

For over two decades Department of Mathematics, Assam University, Silchar has been playing the role of a vanguard in teaching and research. Since its inception the department has brought forth many outstanding students who actively contributed in their respective fields of research and earned reputations throughout the globe. Presently the department offers M.Sc. and Ph.D. in its academic curriculum. Many a student of this department has performed stupendously in various competitive examinations and have acquired their berths in many prestigious academic institutes. The Department is well supported by DST(FIST) and NBHM.