



RAMA
UNIVERSITY

www.ramauniversity.ac.in

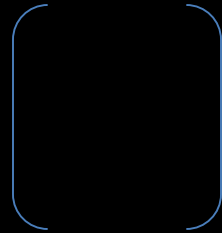
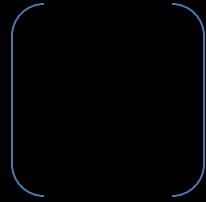
**FACULTY OF ENGINEERING &
TECHNOLOGY**

MATRICES



Mrs. Rati Bajpai
Assistant Professor & Head,
Dept. Applied Sciences & Humanities
Faculty of Engineering & Technology ,
Rama University Uttar Pradesh, Kanpur

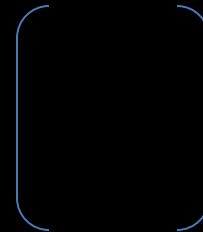
Types of Matrices



then $A^T =$

$\begin{pmatrix} 2 \\ 4 \\ 6 \end{pmatrix}$

5 transpo





Symmetric matrix
 $A^T = A$
Upper triangular matrix
 $A_{ij} = 0$ if $i > j$