

Information Technology University, Lahore, Pakistan

Linear Algebra (MT-121)

Assignment # 3

Spring 2024

BSCE2023

March 1, 2024

Submission Deadline: Friday, March 8, 2024

Maximum Marks: 20

-
- Late submissions will not be graded.
 - This Assignment will be conducted under the rules and guidelines of the ITU Honour Code, and no cheating will be tolerated (i.e., no discussion about the Assignment with other students, no plagiarism at all). Each student must be able to justify his/her work.
-

Question 1

Inverse matrix **A** using the Gauss-Jordan method by Matlab code.

[20]

$$A = \begin{bmatrix} 1 & -5 & 2 \\ 2 & 3 & 1 \\ -3 & 8 & 0 \end{bmatrix}$$

Note:

1. You cannot use Matlab built-in functions
2. Don't use Chat GPT.
3. The viva of this assignment will be conducted in the TA session.
4. Seek clarification from the instructor or TA for any queries.