Training Day – 24

Topic:- NumPy Manipulation

* Performed reshaping, slicing, and broadcasting operations.
* Example: Reshaped a 1D array into a 2D array and performed element-wise multiplication.

Day-2

•Today I practiced some example based on slicing in multi-dimensional array. •Some new topics also covered in today's session as

like -

\*Shape Manipulation.

\*Conditions In Array.

•And also getting a short knowledge of "Broadcasting" using numpy's library. NumPy arrays can be reshaped, sliced, and indexed to suit various needs.

# EXAMPLE

array = np.arange(10) reshaped = array.reshape(2, 5) sliced = reshaped[:, 1:4] broadcasted = reshaped + 10 print("Original Array:\n", array) print("Reshaped Array:\n", reshaped) print("Sliced Array:\n", sliced)

print("Broadcasted Array:\n", broadcasted)

