Centurion University
Shaping Lives... Empowering Communities...

School: ..... Campus: .....

Academic Year: ..... Subject Name: ..... Subject Code: .....

Semester: ..... Program: ..... Branch: ..... Specialization: .....

Date: .....

Applied and Action Learning
(Learning by Doing and Discovery)

Name of the Experiement : Matrix multiplication of 2 square matrices

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

```
import numpy as npp = [[1,
2],
    [3, 4]]
q = [[5, 6],
    [7, 8]]

print("Matrix p: ")
print(p)
print("Matrix q: ")
print(q)
result = np.matmul(p, q)
print("Resultant Matrix: ")
print(result)
```


**As applicable according to the experiment.*
Two sheets per experiment (10-20) to be used.

* Implementation Phase: Final Output (no error)

```
Matrix p:
[[1, 2], [3, 4]]
Matrix q:
[[5, 6], [7, 8]]

Resultant Matrix:
[[19 22]
 [43 50]]
```

ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	**50**		

Signature of the Student:

Name :

Regn. No. :

Signature of the Faculty:

As applicable according to the experiment. Two sheets per experiment (10-20) to be used.