**NEURAL NETWORK DEEP LEARNING**

**ICP\_3\_SPRING24 ASSIGNMENT- 3**

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GITHUBLINK: <https://github.com/sanjanamortha28/ICP_3_SPRING24>

Video Link:

<https://github.com/sanjanamortha28/ICP_3_SPRING24/assets/70304377/9a5e6917-59a0-46e9-b34c-aea17b5733af>

1. Create a class Employee and then do the following  
• Create a data member to count the number of Employees

• Create a constructor to initialize name, family, salary, department

• Create a function to average salary

• Create a Fulltime Employee class and it should inherit the properties of Employee

class

• Create the instances of Fulltime Employee class and Employee class and call their

member functions.

A screen shot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

Output:

A black screen with white text

Description automatically generated

2. NumPy Using NumPy creates a random vector of size 20 having only float in the

range 1-20. Then reshape the array to 4 by 5 Then replace the max in each row by 0

(axis=1) (you can NOT implement it via for loop)

A computer screen shot of a program

Description automatically generated

Output:

A screenshot of a computer

Description automatically generated