## Spring 2024: CS5720 Neural Networks & Deep Learning – ICP3

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## Video Link:

https://drive.google.com/file/d/1oYx\_GzD3E9qfh1Tkhi1x0MQtosOZLwpU/view?usp=drive\_l ink

GitHub Link: https://github.com/mahendrasrirambetha/NN Assignment3

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

```
67 # declared this method to execute code When the file runs as a script.
68 if __name__ == "__main__":
69 main()
                                             input
```

Calling FulltimeEmployee member function.
Average salary: 529875.0

## 2. NumPy

Using NumPy create 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)

```
| New | New
```