



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

School of Computer Science & Engineering

Parallel and Distributed Computing-CSE4001

Fall 2023-2024

B.Tech CSE

Assignment – 1

Assignment-1 Guidelines

1. Select an application of your choice (Every student should select an unique application)

In this part you have to answer what is your application? why you have chosen this application? What is interesting about this application?

2. Model it with Federated Learning Model
3. Choose a simple dataset.
4. Choose a federated learning Framework and the type of federated learning.

In this part, you should try to answer questions such as which federated learning framework you are going to use? Why do you choose this Framework? What is interesting about this framework? Complete step by step procedure to setup this framework.

5. Discussion and result:
Get the result for the dataset and show the result in the document.
In this part, you should discuss the performance of the application in terms of different parameters which you feel are relevant for analysis.
6. We will reward entries that go above and beyond the assignment requirements.
7. Google form link is provided and you have to fill the details in it. It is an individual assignment. If any duplicate topics are found the person who has entered the title **first will be considered** and the other person will be intimated to change the application. Form to be filled before 7th September.

<https://forms.gle/pRAZ2LJreTWXhJ3A7>