

## ***CSE4068: Healthcare Analytics course project***

I have listed some of the broad areas of a research topic. Identify the topic from these areas (Refer to any reputed journals such as IEEE, Elsevier, ACM, Springer, ICON, GLOBOCOM, SPCOM, INFOCOM conference etc.)

You need to do an Individual Project.

If you have any clarification regarding the [project](#), you can contact me during the afternoon session in room no AB3 111 or ping me over the phone 9789599698.

You have to identify the problem statement clearly, then only you can proceed with the design of your [project](#).

### **Course Project:**

#### **Round 1 – Assignment -1**

22/08/2023 – Submission of Project topic confirmation (Before 5 PM)

[Refer to IEEE transaction, Elsevier, ACM, or reputed journals for topic confirmation]

25/08/2023 – Submission of Abstract (one-page writeup with reference) (Before 5 PM)

06/08/2023 – Introduction, Literature Survey – Problem definition

#### **Round 2 – Assignment -3**

27/09/2023 – Design/ Algorithms of your proposed work (Before 5 PM)

The design should include the following

- a) Specify the architecture/framework (Novelty)
- b) Explain the methodology/working of the system
- c) Flowchart/ Dataflow diagram
- d) Proposed Algorithm
- e) Implementation of the first part of an algorithm

#### **Round 3 – Assignment -3**

19/10/2023– Final Presentation (Demo) + Viva voce

24/10/2023–Final paper submission

The outcome of the course project should be published in reputed international conferences/journals or this project can be filed for patent or you can also produce a product.

### ***List of Sample Project titles/papers***

- Smart Waste Management in Hospitals
- Traffic Management system
- Parking slot identification
- Mental healthcare monitoring
- Negative Information Measurement at AI Edge: A New Perspective for Mental Health Monitoring
- AI-driven IoT for smart health care: Security and Privacy issues
- Forecasting domestic waste generation during successive COVID-19 lockdowns by Bidirectional LSTM super learner neural network
- Exponential Shuffled shepherd optimization based Deep maxout network for intrusion detection using big data in cloud computing framework

- Optimized hadoop map reduce system for strong analytics of cloud big product data on amazon web service
- Big data BPMN workflow resource optimization in the cloud
- COVID-19 pandemic and healthcare solid waste management strategy
- CEECP: CT-based enhanced e-clinical pathways in terms of processing time to enable big data analytics in healthcare along with cloud computing
- Information fusion and artificial intelligence for smart healthcare
- A deep learning algorithm using CT images to screen for Coronavirus disease (COVID-19)
- Microbial strategies for degradation of microplastics generated from COVID-19 healthcare waste