DAU Summer Internship Projects – 2025

Research Area Intelligent Transportation System

Prof Sanjay Srivastava Prof Manish Chaturvedi

The following summer research internship projects are being offered to final year BTech MTech students in Computer Science. Summer internship will run from May 15 to July 15, 2005. Selected students will be offered a scholarship of Rs 8000 for the duration. They will also be provided free accommodation in the Institute hostel.

If you are interested, please send your CV and name of one of your professors as a reference to the email address <u>sanjay srivastava@daiict.ac.in</u>

Project Title: Modelling and Simulation of Walk and Intelligent Feeder Service Based Last Mile Connectivity to Public transport

Last mile connectivity refers to the critical link that connects commuters from their homes or workplaces to the nearest public transportation hubs. In this project, an intelligent feeder service is to be designed to enhance last mile connectivity to public transport. An online algorithm is to be developed to recommend suitable boarding junctions for commuters to join shared rides.

More information can be found in the following paper:

M. Chaturvedi and S. Srivastava, "Modelling and Analysis of Walk and Intelligent Feeder Service Based Last Mile Connectivity to Metro Stations," 2023 IEEE 26th International Conference on Intelligent Transportation Systems (ITSC), Bilbao, Spain, 2023, pp. 3437-3442, doi: 10.1109/ITSC57777.2023.10422361

Project Title: Two-wheeler driving pattern analysis using mobile phone sensors

The Advanced Driver Assistance System (ADAS) in cars is used to improve the safety of drivers. However, limited or no ADAS is available for two-wheeler (2W) and three-wheeler (3W) vehicle drivers who represent 80% of the driver population in India. This project aims to design a wearable device / mobile phone based vehicle independent driver assistance system.

More information can be found in the following paper:

D. A. Vyas and M. Chaturvedi, "DriverSense: A Multi-Modal Framework for Advanced Driver Assistance System," 2024 16th International Conference on COMmunication Systems & NETworkS (COMSNETS), Bengaluru, India, 2024, pp. 252-257, doi: 10.1109/COMSNETS59351.2024.10427459.