Module 3: Discrete-time Markov Chains

Rubric: Aerodynamic Control Laws of an Aircraft

Duration: 3 Weeks **Total Points: 10+4(bonus)**

Instruction(s):

- The students have to submit the project in the form of a pdf file along with the `MATLAB` files (*.m) on LMS under the Assignment section on or before **05.04.2023 (02:00 PM)** for section **P2** and **07.04.2023 (02:00 PM)** for section **P1**. The pdf file must contain all theoretical answers and the input-output of simulation as `MATLAB` files.

Rubric for the grading of project 3:

Lab Week	Question(s)	Marks (10+4)
Week 10	Interview based on theory of Viterbi Algorithm	2.0
Week-11	Implementation of Viterbi Algorithm	1.5
	Implementation of Forward Algorithm	1.0
Week-12	Capstone Interview	4.0
	Self Assessment	1.5
	Bonus (optional)	4.0

Table 1: Rubric table for Project-3

Grading Instruction(s):

- Grading of the project is distributed according to the following:

Component Description	Weightage (100%+40%)
Viva-Voce	60% (6.0 marks)
Self-reflection	15% (1.5 marks)
Lab class performance and observation	25% (2.5 marks)
Bonus questions	40% (4 marks, in addition to the total marks)

Table 2: Grading Components of Project-3

- Viva-voce will be conducted in Week-10 and Week-12 (capstone interview) during the ongoing lab classes. Students will give the self-assessment score to the interviewer in Week-12.
- In the above-mentioned weeks (in Rubric), the TFs will assess the lab performance and/or take interviews of the candidates. If some candidate is absent from the lab without any prior approval from the instructor, then he/she will lose the corresponding marks of lab performance/interview for that week. This will constitute a continuous evaluation of the project.
- If a student does not submit the project report on LMS on or before the stipulated date and time, then 15% of the total points (10) of the project will be deducted from the obtained points.