

# SSN College of Engineering

Department of Computer Science and Engineering

## CS1504 — Artificial Intelligence

2021 – 2022

**Session — 01**

July 12, 2021

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- This homework is due by 4PM on July 20, 2021
  - You can upload only one ZIP file
  - The naming convention is “<Your first name (first letter capital and all the other letters small)>-UCS1504-L01.zip”
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1. Give a PEAS description of the task environment for each of the following activities. Include detailed write-up on each aspect of the task environment.
  - (a) SSN wants to develop and deploy a face-recognition based smart attendance system for its employ- ees and students. Provide a detailed PEAS description for the same.
  - (b) SSN wants to develop and deploy an online autonomous proctoring system that can monitor  $n$  students through a video communication channel. Provide a detailed PEAS description for the same.
  - (c) SSN wants to develop a team of robotic agents to participate in Robocup soccer competition (<https://2021.robocup.org/>). Provide a detailed PEAS description for such a robotic agent.