Venkateswar Reddy M.
CTO, Brillium Technologies
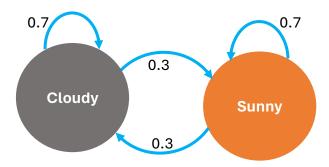"...dare to dream; care to win..."

Date: **4-May-24**

EE932 Assignment-2 Solution

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eMasters in Communication Systems, IITK
EE932: Introduction to Reinforcement Learning
Instructor: Prof. Subrahmanya Swamy Peruru
Student Name: Venkateswar Reddy Melachervu
Roll No: 23156022

Question 6:

The weather of a day could be either cloudy or sunny. Assume that a day's weather can be modelled using a Markov Chain, i.e., Given today's weather, tomorrow's weather does not depend on yesterday's (or any other previous day's) weather. Let the probability that tomorrow's weather is the same as today be 0.7. Taking 'Sunny' and 'Cloudy' as the states, draw the transition diagram of the Markov Chain. Upload the answer as an image.

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"...dare to dream; care to win..."