



Daffodil International University

Department of Software Engineering

Assignment

Course Code: SE444

Course Title: Data Warehouse and Data Mining

You are given the following dataset containing 10 training examples. The goal is to predict the target variable "Play Tennis", which can be either Yes or No.

Example	Outlook	Temperature	Humidity	Wind	Play Tennis
1	Sunny	Hot	High	Weak	No
2	Sunny	Hot	High	Strong	No
3	Overcast	Hot	High	Weak	Yes
4	Rain	Mild	High	Weak	Yes
5	Rain	Cool	Normal	Weak	Yes
6	Rain	Cool	Normal	Strong	No
7	Overcast	Cool	Normal	Strong	Yes
8	Sunny	Mild	High	Weak	No
9	Sunny	Cool	Normal	Weak	Yes
10	Rain	Mild	Normal	Strong	No

Perform Decision Tree Analysis on the above dataset, and draw the decision tree.

Submission Guideline

Carry out the assignment in A4 papers and attach the cover page for assignments issued by the department and submit in your class before the deadline.

Deadline:

20th August, 2025

However you may submit the assignment any time during your class before the deadline. **No submission will be accepted after 20th August, 2025.**