Question | CIT-223-022/2021

COP MINIST doctor BACHELOR OF SCIENCE IN COMPUTER SCIENCE

LEARNING AND ADAPTIVE STITEMS

CAT 1

(b) Machine Translation is the process of using artificial intelligence to automatically translate text from a given language to another. It uses rules and dictionaries with high accuracy models.

QUESTION 2

@ Entropy and Information Gains

(1) Ordinola

Entropy (s) = - (Pologz Pot Polog Po)

Occurrace = 17

Pochre = 11

Negative = 6

17

1092 11 + 6 log + 6

17

17

17

17

17

17

Information Gain:

11) Entropy of each affirmate.

(1) Information Gain = Entropy - Z les (s, OR)

Information gain = 0.937 - 
$$(8(1) + \frac{1}{17}(0) + \frac{1}{17$$