Docision Three consists of 7

- 1. Mode: Test from the Value of contain attailbute
 2. Edge/Branch: connect to the next side on leaf.
 3. Leaf nodes: Teaminal Modes that Predict the
 outcome.
- OThere are two main type of Decision Taxe
- 1. Classification Tenees
- 2. Regression Talees
- A) Classification Tenees (Les/No types)
 - -> Decision variable is catagonical/discrete
 - -> Built Harough a Process known as binary necessive Partitioning.
- B) Regnession three (continous data types)

 -) Tanget Vaniables can take continous values.
- A In Decision Thee classification, a new example is doseified by Submitting it to a series of tests that determine the dass label of example.

 These tests are conganised in hierarchical structure called a decision tree. They bellow Divide and conquer Algorithm.

 Is select a test for most node: create branch

for each Possible outcome of test:

Ly Split Instance into Subset, one for each

| | PASE NO. 9875 |
|--|---|
| | |
| | @ Application of Daision Amores in meal gife: |
| | |
| Annual production of the second second | 1. Biomedical Engineering |
| and any or the second of the s | 2. Financial analysis |
| | 3. Associany |
| | 4. System control |
| and and provided sound and the contract of the | 5. Manufacturing & Broduction |
| | 6. Medicines |
| | 7. Physics |
| | |
| | Test Cases: |
| | Split the dataset into training & testing |
| | dataset. |
| | |
| * | Condusion: |
| | Thus Decision tree classifier was used |
| | to Predict & made a decision on the given |
| Page 1984 and 1984 a | Dodgset. |
| | |
| Note that a more than the property of the state of the st | |
| News was accommon to the | |
| and the second of the second of the second | |
| er commence de la constanta de la companya del companya del companya de la compan | |
| the property of the second of | |
| | |
| The state of the s | |
| | |
| | |