

Date - 22 May

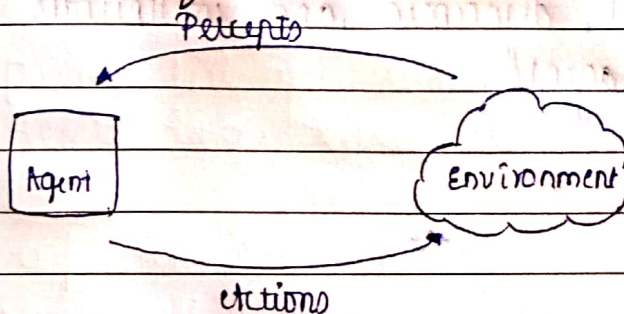
Course - Tcs ion

Topic - Artificial
intelligence

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Sem - IV Sem 'A'

Report:-Understand Artificial intelligence :-

- * operate in an environment
- * Perceives its environment through sensors
- * Acts upon its environment through actuators / effectors
- * Have goals

- An agent perceives its environment through sensors
- It acts on the environment through effectors
- Have sensors actuators
- Implement mapping percept sequence to actions
- Performance measure to evaluate agents

- * An agent perceives an action in an environment has an architecture, and its implemented by an agent program.

- * An ideal always chooses action which maximizes its expected program, given its percept sequence so far.

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- * An autonomous agent uses its own experience rather than built-in knowledge of the environment by the designer
 - * An agent program maps from percept to action and updates its internal state.
 - * Representing knowledge is important for successful agent design.
 - * The most challenging environments are partially observable, stochastic, sequential, dynamic and continuous & contain multiple intelligent agents.