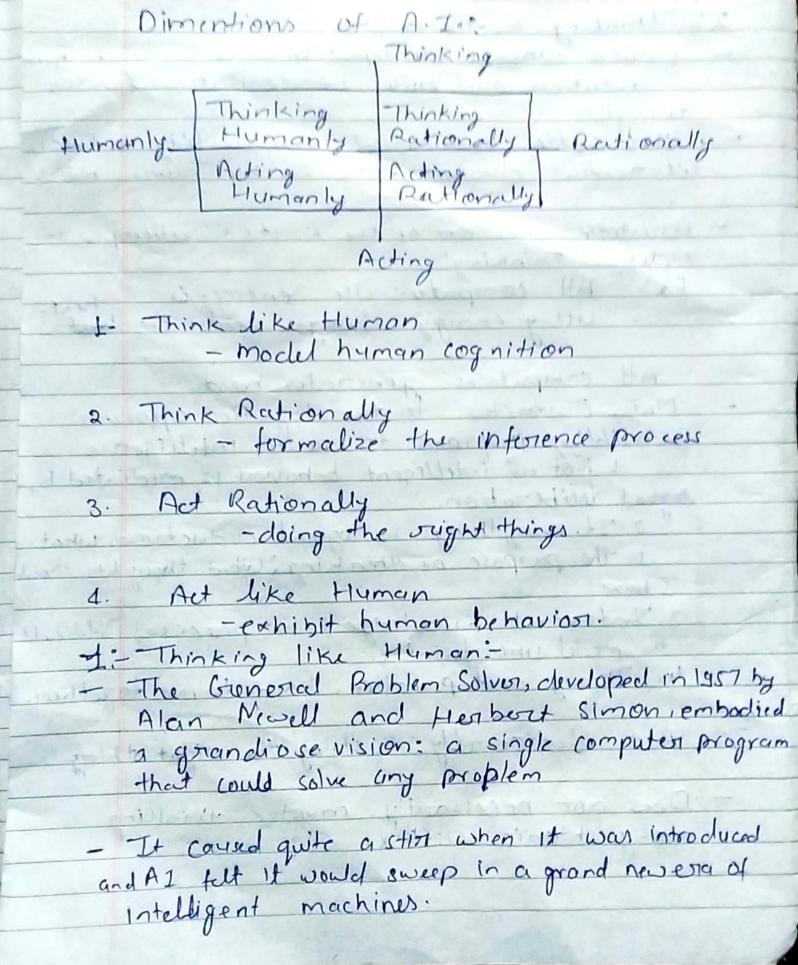
Introduction To AMI: Teacher: Snyamanta M Hazasika (Lecturer) (III Guwahati) Definition of AI: What is A.I. - AI is the ability of Machines to seemingly think fer themselves. Quest for AI: The quest for A.I began with dreams as all quests do - People have long imagined machine endowed with hyman abilities automata that moveand devices that ougson. - The greatest of the thoughts was described in The Politics by April totle. - Leonardo Da Vinci sketched designs for a hymanoid probot in the form of a medieval Knight around the Jean 1495. life is but a motion of limbs, why may we not say that all automate have un artifical life. Several people constructed actual automater - Frank Bourn in 1900 invented on of the literary world's most beloved nobets in The Wonderful Wiz and of Oz

- Kenel Capek introduced ther term probat in the play R.U.R. (Rossum's Universal Robots).
in the play R.U.R. (Rossum's Universal
Robots).
- In 1940, Dr. W. (50414 Walter was
interested if stobuts could model brain
function.
- He build two small mobots; called tortoises
and named them Elmer and Elsie;
- The most suvolutionery thing is that they did
not have any browns or pro programming.
- The Had basic analog circuits, vacuum tubus
- The Had basic analog circuits, vacuum to bus a toouch and light sensor and ruch arge thes
own batterius.
- met stare suitibilità monte din
What is AI-
A.I is demonstrated when a task performal
by a human and thought of as steguiring
the ability to kewin, ruason and solve mobb
ms can be done by a machine.
The body sold all along the
- AI is the field of devoted to building artifacts
caipable of displaying, behavious that we
consider to be intelligent behaviors at the
heart of what it is to have a mind.
the spilitable like
- B things are very important in definition of the is This gives ruise to twether question:
By the is This gives Juse to twither question:
1- What exactly constitutes intelligent behavior
2. What it is to have a mind?
3 How humans cictually manage to behave intelligen



2: Thinking Rationally: - Crouck schools developed various farm of logice notation and rules of derivation for the thoughts. Assistable considered stationality to be on essential characteristic of the human mind. - Assistotle was on of the firsts to attempts to codity "thinking". Ex: All computors use energy!. heat. All computors generates heat Main Obstacles to the logistic approach in bulbling programs to create intelligence.

1. Not all intelligent behavior is mediated by logical deliberation.

2. It everything is logical deduction what is the purpose of thinking? What thoughts should I have 3. Intermal knowledge is not practise; Difficult to model uncertainty.
4. Theory and practice, hard to put together. 3: Act Rationally: Doing the right thing Does not necessarily envolve thinking -e-y- bionic steflex.

- It is more general than the logical approach.
 - Amenable to scientific development than approaches based on human behavior or human thought.

- Achieving perfect nationally in complex

- environment is not possible.

 4. Act like hyman: - exhibit human behaviour
- something the feet better at All the standard - Creating machines that perform functions that require intelligence when the same tasks are

performed by people.

Acting Humanly:
A number of capabilities need to be incomparated.

- · Natural language processing · Machinge Leavining · Knowledge Representation · Computer Vision · Automated Reasoning · Robotics.
- In 1950 Alon Twing published a landmark paper he speculated about the possibility of Greating machines which true intelligence. And devised his famous Turing Tests was the first servious proposal in the philosophy of A I.
- Alan tawning stearts with the words I propose to consider the question, I can machines

Early Days of A I: In late 1955, Allen Newell and Herbert Simon developed The Logic theorist, considered by many to be the first AI program. The program, representing each problem as a tree model, that would most likely result in the correct conclusion. aldinana tere 11 tours of In 1956 John McCarthy organized the Dust mouth Summer Research Projection A.I. The Dartmouth conference served to lay the ground work for future of AI research. Term Antifical Intelligence?

The term AI was first used in their document.

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