Podary Sushmita Shriniva
4AL16EC046
22/5/2020-
TCS report
6B

Artificial intelligence part 1 & part 2

* Understand Artificial inteligence (Part 1)

- AI in concerned with design of intelligence in an artifical device
- thought process / behaviour.
- Symbole integration, Perption, Resoning, learning..
- Applications of AI -
  - Computer vision
  - Image Recognization
  - Robotics
  - language processing
- Autonomovs land vehicle in a nevbal n/w
- Machine translation
- Approches to solve AI
- Strong AI aims to build machines that can truly reson & solve problems which is self aware & whose overall intelectual objectiv inolistinguishable from that of a human being
- Weak AI deals with the creation of some from of computer - based artificial inteligence that co truely reason & solve problems, but can ac if it were intelligent. They can simulate h cognition.

* limits of AI today;

→ Operates in well defined domain.

Part - 2

- An agent prerceives its environment through sensors.
- It can change the environment through affect
- Rationaly.
- Perfect Rationality :- Assums that the rational agent knows all & will take the action that maximize her ultivity.
- Bounded Rationality :- Because of the limitatio of human mind humans must use appropriate methods to handle many tasks,
- Rational action :- The action that minimize the expected value of the performance.

* Environment : Episodicity :-

- An episodic environment means that subsequent episodes do not depend on what actions occured in previous episodes

- Environment - Dynamics.

Static environment, Dynamic environment.

- Enviornment complexity, includes knowledge rich, i/p rich.

- Agent ⟶ prercepts
  ⟵ actions.

This is to certify that

Sushmita Poojary

has successfully completed

Career Edge - Knockdown the Lockdown

online course offered by TCS iON

Poojary Sushmita Shrinivas
1AL16EC046
CB - Python
22/5/2020

Section 14: Project excecize with python & MySQL

```
• import mysql connector
con = mysql.connector.connect(
user = "ardit700_student",
password = "ardit700_student",
host = "108.167.140.122",
database = "ardit700_pml database"
)
cursor = con.cursor()
query = cursor.execute("SELECT * from dictonary")
results = cursor.fetchall()
Print (results)
```

Section 15 :- Data Analysis with Pandas

- Visuatization library such as bokch
- Use pandas to load data structures.
- Installing pandas -
  Pip install pandas or pipe install pandas
  ipython - pip instal ipython or pipe install ipython
- Pyter Notebook:-
- loading CSV3 files

```
import pandas
    df1 = Pandas_read_csv ("supermarket.csv")
```

- loading excel files :-
  pip instal xlrd or pipe instal xlrd
- loading txt files :-

```
df1 = pandas_read_csv ("supermarket.txt",sep)
```

- set header row

```
df1 = panda_read_csv("data.txt", header=Nons)
```

- set columns names -

```
df8.columns = ["ID", "Address", "city")
```

- set index column:-

```
df8.set_index ("IO")
```

- Indexing & Slicing

```
df1.iloc[3;1:4]
```

- Detecting columns & rows

```
df7.drop ("city")
```

- updating & adding news columns & Aows

```
df7_t ["Address", "city"]
df7 = df7_t_T
```