

Vivekanand Education Society's Institute of Technology  
(An Autonomous Institute Affiliated to University of Mumbai,)  
(Approved by A.I.C.T.E and Recognized by Govt. of Maharashtra)

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND  
DATA SCIENCE**



A REPORT

ON

**Tic-Tac-Toe using Mini-Max Algorithm of RL**

**B.E. (AIDS)**

*SUBMITTED BY*

**Mr. Parth Suryavanshi (Roll No. 58)**

*UNDER THE GUIDANCE OF*

**Mrs. Smita Mane**

**(Academic Year: 2023-2024)**

**Vivekanand Education Society's Institute Of Technology,  
Mumbai**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND  
DATA SCIENCE**



## ***Certificate***

This is to certify that project entitled

"Tic-Tac-Toe using Mini-Max Algorithm of RL"

Mr. Parth Suryavanshi (Roll No. 58)

have satisfactorily carried out the project work, under the head - Reinforcement Learning Lab at Semester VIII of BE in AIDS as prescribed by the Syllabus.

**Mr. Amit Singh**  
Subject Teacher

**Mrs. Smita Mane**  
Lab Teacher

**Dr.(Mrs.)M. Vijayalakshmi**  
H.O.D

**Dr.(Mrs.)J.M.Nair**  
Principal

Date: 12/04/2024  
Place: VESIT, Chembur

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## *Declaration*

I declare that this written submission represents my ideas in my own words and where other's ideas or words have been included, I have adequately cited and referenced the original source. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

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(Signature)

Mr. Parth Suryavanshi (Roll No. 58)

B.E. AI & DS