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Artificial Intelligence Lab est B - 1114.

Performance:

10020

\* Accuracy of the face recognition Accuracy at different lighting conditions with different quality cameras. \* Vorsatility in devices such as laptop, mobile, dellitop, etc.

+ Time for recogniting a face

Environment.

lightings. \* Bright ligt, dim

\* Places includes home, office, etc

Actuators:

+ Displays for displaying the attendance, menager, etc.

\* Face recognifion software to scan and recognise a face.

Sensons.

& Camera servores to get the image of the person I IR would be used between a differentiate neal 3D figure.

Autonomous Proctoring System b). Performance: + Detection of multiple windows open a single time to prevent cheating. persons to avoid cheating.

persons to avoid cheating.

Morritoring the student

whether he is looking elsewhere

\* Detecting if he is using mobile phones or any other derives Environment. + Bright, dim areare + Home, school, work places, etc. + Disturbances avois in such placer. Displays indicating the whether the stadent is donng is something Actuators :suspisions and error for musages. sensoy. Cameras, PR sensons.

\* Cameras for capturing the image of the person and IR sensors for detecting between picture and 3D figure.

Robocup Soccer Competition Performance: + Speed - movement speed of the robot. + Ability to dodge other robot. \* Ability to think the find a way for the robot to more. \* when it falls it should now to get up. Seuon & Distance through which it can kide the ball. Leuray with which it can leiche the ball. \* Defending especially for the goal keeper. & knowing all the rules. Environment robots. & stadium in which the competition occurs. # Presence of other robots. \* Goal post, line boundaries, etc. Actuators: 1 Robotic legs to walle and laide the ball. & Hands to balance the subot. + Hands and legs to get up when it happens to fall. & Battley for the rabort to function.

Sensons + Cameras present in front to get the visual about the environment. k IR to meanne dutance. \* Proximily sensor for detection of nearby ofjects. orientation of the robot. \* Tactile sensor to get response from the physical contact with the emporment football. State representation: State representation is the string of diaracters A,B,C,E. Tultal State: ABABAECCEC. Final State: Sequence E. Actions . Performing Substitions AC=E, AB=BC, BB=E, Ex=x for any x on the dequence. Subliquently. Transition of model: producing new sequence. Cost Function: Number of transformations,