

DAV PUBLIC SCHOOL, SECTOR-49, GURUGRAM

HOLIDAY HOMEWORK SUBJECT – ARTIFICIAL INTELLIGENCE

Class: IX

Topic: Cyber Security

Protect yourself from cybercrime: Stay informed, stay safe. Security is a shared responsibility.

The time is now to strike right on cybercrime. An empowered and aware youth will be safer and progressive. In an effort to empower and make the students aware about the threats and consequences of the world of cyber crime.

Create a video in MP4 format to demonstrate and create awareness regarding cybercrime. It is being organized to reach out and think of creative ways to demonstrate the importance of CYBER AWARENESS through an extensive research and presentation.

The video should depict a narrative/ story to demonstrate cyber crime its reasons, effects and safe ways out. Duration of the video should not exceed 3 minutes.

Note: Students can also do a role-play with their class-mates on the mentioned topic.

Submission to be done as mp4 format on the id : dav49hhw@gmail.com

Subject of the mail should be name , class and section of the child.

Class: X

Dear children,

The overall research goal of artificial intelligence is to create technology that allows computers and machines to work intelligently. You are expected to create a project on AI on any 1 topic mentioned below. It is up to you whether you want to create your project using Pictoblox as mentioned, Python or any other helping platform.

Option1:

You must have used a chatbot at least once in your lifetime, a computer program designed to have conversations with users. Even if you haven't, now's the chance to change it!

You talk to the chatbot and it responds accordingly through text. The chatbot uses PictoBlox's Speech Recognition extension to recognize your speech and convert it into text and then answer your questions accordingly.

You will need a PC/laptop with a camera or webcam, PictoBlox, and an internet connection. You can even dabble with things other than questions and answers

Website link : <https://thestempedia.com/project/make-your-own-smart-ai-chatbot-using-speech-recognition/>

Option 2:

At an age of the internet frenzy with altering your face to look like your pet dog or wanting to look royal by wearing a crown, this project helps you do exactly just that – create your own face app filters and apply them to your face.

All you need is a laptop or a PC with a camera, PictoBlox, and an internet connection. This is one fun AI and machine learning project for students which teaches them to use the computer camera to detect their face using AI, then correctly fit the filter to their face and then even make it tilt in accordance to how their face tilts.

Website link : <https://thestempedia.com/project/make-your-own-face-filters-in-pictoblox-using-the-face-detection/>

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ATL

1. Students can build a **chatbot** using any software.

Topic: Cyber Security

2. Students can build a **AI based App** choosing any topic given below using MIT App inventor.
 - a) Location Based Garbage Management System for Smart City
 - b) OnRoad Vehicle Breakdown Help Assistance
 - c) Agri Shop: Farmers Online Selling Application
 - d) A Food Wastage Reduction Android Application
 - e) Grievance App: College Campus for Hostel, Food, Admin, and Certificate
 - f) Agro App: Manage Famers Govt Aided Scheme And Crop Information

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