DELHI PUBLIC SCHOOL, PALI
ANNUAL CURRICULUM PLAN SESSION 2019 – 2020

CLASS: VIII
SUBJECT: Artificial Intelligence

Month & Working Days	Theme/ Sub-theme	Learning Objectives		Activities &Resources	Expected Learning Outcomes	Assessment
		Subject Specific (Content Based)	Behavioural (Application based)			
June-17	• Introduction to A.I • Goal of A.I • Programming with and without AI	• Students able to understand about Artificial Intelligence • Various application of AI • How AI can helps you to go about your daily life	Student will • Understand the problems and try to solve with AI • Learn how human depend on machine.	**Activity (to introduce the lesson):** • Power point presentation on Introduction to AI. **Activity (to support learning):** Video will be shown to make students understands how AI can helps them to go about their daily life. **Activity / Assignment (to assess learning):** • Students to design a rough layout of floor plan of their dream smart school.(Ice Breaker Activity)	**Students will:** • Able to understand about Artificial Intelligence. • Various application of AI. • How AI can helps you to go about your daily life. **Students will able to:** • Understand the problem and its solution in better way. • Learn how human depend on machine.	**Activity / Assignment (to assess learning):** • Students to design a rough layout of floor plan of their dream smart school.(Ice Breaker Activity) **Parameters:** • Creativity • Is innovative in ideas • Originality • Content Knowledge and Topic Relevance

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July -26	• What is Human Intelligence? • Real life application of AI in different fields • Limitation of AI	• What is human Intelligence • Difference between Human and Artificial Intelligence. • Limitation of AI	• Understand the problems and try to solve with AI • Learn how human Dependon machine.	**Activity (to introduce the lesson):** • Power point presentation on difference between Human and Artificial Intelligence. **Activity (to support learning):** Video will be shown to make students understands how AI can helps them to go about their daily life. **Activity / Assignment (to assess learning):** • Using floor plan of school as a base for your story, use the story speaker extension in Google docs and write a story.	**Students will:** • What is human Intelligence • Difference between Human and Artificial Intelligence. • Limitation of AI **Students will able to:** • Understand the problems and try to solve with AI • Learn how human Dependon machine.	**Activity / Assignment (to assess learning):** • Using floor plan of school as a base for your story, use the story speaker extension in Google docs and write a story.

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August-20	• Domains of AI 1. Data	• Students able to understand domain of AI. • To make students understands how data systems works and processes, in which the system collects numerous data, maintains data sets and derives meaning/sense out of them. Student understands how information can be extracted from data that is used to make a decision.	• Understands how machine can manipulate information and convert it into data.	**<u>Activity (to introduce the lesson):</u>** ● Power point presentation on Domains of AI. ● Videos **<u>Activity (to support learning):</u>** Students will go through AI games in the form of a challenge. ● Tic TacToe(Data): Game based on Data for AI where the machine tries to predict the next move of the participant. **<u>Activity / Assignment (to assess learning):</u>** To ask students to play Kahoot quiz based on Domain of AI	**Student will** • Students will understand domain of AI. • Students will understands how data systems works and processes, in which the system collects numerous data, maintains data sets and derives meaning/sense out of them. • Students will understands how information can be extracted from data that is used to make a decision. **Student will be able to learn:** • Understands how machine manipulate visual information andconvert it into data	**<u>Activity / Assignment (to assess learning):</u>** To ask students to play Kahoot quiz based on Domain of AI

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September-24	Domains of AI • Natural Language processing	The students will be able • Students will understands how artificial intelligence deals with the interaction between computers and humans using the natural language.	• Understands how machine understands l language.	**<u>Activity (to introduce the lesson):</u>** • Power point presentation on Domains of AI. • Videos • Ppt on NLP **<u>Activity (to support learning):</u>** • Giorgio cam(Based on computer vision):It uses image recognition to label what it sees, then it turns those labels into lyrics of a song **<u>Activity / Assignment (to assess learning):</u>** • Letter to elder brother/sister to reflect how A.I skill helps in day to day life.	**<u>Student will learn</u>** • Students will understands how artificial intelligence deals with the interaction between computers and humans using the natural language. **<u>Student will be able to learn:</u>** • Understands how machine understands l language.	**<u>Activity / Assignment (to assess learning):</u>** • Letter to elder brother/sister to reflect how A.I skill helps in day to day life. **<u>Parameters</u>** • Understanding • Topic Relevance • Critical Thinking skills • Creativity and Originality

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October-22	Domains of AI • Computer Vision Revision	•	• Understands how machine understands human language.	**<u>Activity (to introduce the lesson):</u>** • Power point presentation on Domains of AI. • Videos **<u>Activity (to support learning):</u>** • Teachable Snake(Based on computer vision):The idea is to instead of using physical buttons to control the game, anyone can draw a black arrow on piece of white paper as controller , and move the snake by turning the paper in different directions in front of webcam.	**<u>Student will learn</u>** • Students will learn the capability of a machine to get and analyses visual information and afterwards predict some decisions about it. **<u>Student will be able to learn:</u>** • Understands how machine understands l language.	

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November-20	• Introduction to Sustainable development goals.	• Students understands how AI is related to SDGS goals. • Students understands that AI has potential to help in lifting people out of poverty, reduce energy consumption and promoting clean, affordable energy	• Students understands how to solve real world problem in our surroundings with AI.	**Activity (to introduce the lesson):** • Take a look at the pictures of SDGS and try the students to give the theme of each picture. **Activity (to support learning):** • Power point presentation on SDGS goal with brief discussion. **Activity / Assignment (to assess learning):** • Quiz through google form	**Student will** • Students understands how AI is related to SDGS goals. • Students understands that AI has potential to help in lifting people out of poverty, reduce energy consumption and promoting clean, affordable energy **Students will able to** • Students understands how tosolve real world in our surroundings with AI.	**Activity / Assignment (to assess learning):** • Quiz through google form

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December-20	• Introduction to Sustainable development goals. Continue…..	• Appreciate the complexity of social issues. • Be able to determine where AI solutions would be appropriate.	• Students understands how tosolve real world problem in our surroundings with AI.	**<u>Activity (to introduce the lesson):</u>** • Take a look at the pictures of SDGS and try the students to give the theme of each picture**.** **<u>Activity (to support learning):</u>** • Power point presentation on SDGS goal with brief discussion. **<u>Activity / Assignment (to assess learning):</u>** • Poster Making: Government of India wants various application of A.I in the field of medical. Design the poster that includes the name of technology with specification that helps in medical.	**<u>Student will learn</u>** • Appreciate the complexity of social issues. • Be able to determine where AI solutions would be appropriate **<u>Student will</u>** • Students understands how to solve real world problemin our surroundings with AI.	**<u>Activity / Assignment (to assess learning):</u>** Poster Making: Government of India wants various application of A.I in the field of medical. Design the poster that includes the name of technology with specification that helps in medical. **Parameters:** • Creativity • Is innovative in ideas • Originality • Content Knowledge and Topic Relevance

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January-23	AI ethics	• Students understands advantages and disadvantages of AI in different field.	Students learn how AI can affect our life.	**<u>Activity (to introduce the lesson):</u>** • Video to introduce the AI Ethics" **<u>Activity (to support learning):</u>** • Students divide in teams, one team goes in affirmation to AI for their session while the other goes against it. **<u>Activity / Assignment (to assess learning):</u>** To ask students to make a ppt on advantages and disadvantages of AI.	**<u>Student will learn :</u>** • Students understands advantages and disadvantages of AI in different field. **<u>Student will:</u>** Students learn how AI can affect our life.	**<u>Activity/Assignment (to assess learning):</u>** • To ask students to make a ppt on advantages and disadvantages of AI.

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February-23	AI ethics	• Gain awareness of ethical concerns about AI. • Critically think about the cost and benefits of AI technology.	Students learn how AI can our life.	**<u>Activity (to introduce the lesson):</u>** • Video to introduce the AI Ethics" **<u>Activity (to support learning):</u>** **<u>Activity / Assignment (to assess learning):</u>** • Create a web page on the topic Tourist places in India. Set a suitable background colour, image, font and font colour for the web page. Also set the top and bottom margin. • Create a web page as "Clean India Mission".	**Student will learn:** • Learn Benefits of CSS in Web Development. • Learn customization through CSS is much easier than plain HTML • Learn how CSS rules are simultaneously applied to multiple elements within the HTML documents. • CSS helps in making websites work smoothly at lower internet speeds • It also ensures that your web pages have consistent styling throughout your site. • How to apply INLINE Style in CSS • Learn various TEXT properties,Fontproperties,Border properties and margin properties **Student will learn:** • To reduce your efforts so that you can complete the activity in lesser amount of time. • To ensure consistency styling	**<u>Activity/ Assignment (to assess learning):</u>** • Create a web page on the topic Tourist places in India. Set a suitable background colour, image, font and font colour for the web page. Also set the top and bottom margin. • Create a web page as "Clean India Mission". **<u>Parameters:</u>** • Creativity and originality • Logical approach • Understanding • Is able to apply theoretical knowledge into practical usage

					throughout your work • To develop among students systematic and step-by-step approach.	

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March- 24	**Revision…….**					