



MAHARAJA AGARSAIN PUBLIC SCHOOL
a Cambridge International School, Ashok Vihar, Delhi CLASS -IX
SUBJECT- ARTIFICIAL INTELLIGENCE SESSION 2023-24

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT/PRACTICAL/ ENGLISH/ CONVERSATION/ VISUAL STIMULUS	LEARNING OUTCOMES	RESOURCES	SDG
PT1 (April -May)	<p>Part A Employability Skills Unit 1 Communications Skills</p> <p>Part B Subject Specific Skills Unit-1 Introduction to AI</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills</p> <p>Part B Subject Specific Skills Unit-1 Introduction to AI</p>	<p>Activity https://research.google.com/semantis Activity</p> <p>Write up Humanoid Robots designed and developed in India</p>	<ul style="list-style-type: none"> • Students will learn the importance of communication • To identify and appreciate AI and describe its application in daily life 	<p>https://www.youtube.com/watch?v=Y46zXHvUB1s&t=17s</p> <p>https://www.youtube.com/watch?v=csgjT73S7b4</p> <p>https://www.youtube.com/watch?v=oV74Najm6Nc</p> <p>https://research.google.com/semantis</p>	Quality of Education

<p>TERM-I (JUNE-JULY)</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self-Management Skills-1</p> <p>Part B Subject Specific Skills Unit-1 Introduction to AI</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self-Management Skills-1</p> <p>Part B Subject Specific Skills Unit-1 Introduction to AI</p>	<p>Activity Game of AI - Rock paper Scissors</p> <p>Activity – https://quickdraw.withgoogle.com</p> <p>Activity – Designed a floor plan on Smart home and smart office</p>	<ul style="list-style-type: none"> • To relate, apply and reflect on the human machine interactions • To identify and interact with the three domains of AI • Learners to relate to application of AI in their daily life • To unleash their imagination toward smart home and build an interactive story around it 	<p>https://www.youtube.com/watch?v=ad79nYk2keg</p> <p>https://quickdraw.withgoogle.com</p> <p>https://rockpapersissors.ai/</p> <p>https://www.youtube.com/watch?v=P3CmPrDvVWQ</p> <p>https://www.youtube.com/watch?v=mAXJOV-wC0g</p>	<p>Sustainable cities and communities</p>
<p>PT2 (JULY-AUG)</p>	<p>Part 1 Employability Skills Unit 3 ICT Skills-1</p> <p>Part B Subject Specific Skills Unit-2 AI Project Cycle</p>	<p>Part 1 Employability Skills Unit 3 ICT Skills-1</p> <p>Part B Subject Specific Skills Unit-2 AI Project Cycle</p>	<p>Activity : Case Study on Project life cycle</p>	<ul style="list-style-type: none"> • To imagine, examine and reflect on the skills required for the futuristic opportunities • To let the students analyse the advantages and disadvantages of AI Learn problem scoping and ways to set goals for an AI project 	<p>https://www.youtube.com/watch?v=f9FYxX5K_RE</p>	<p>Sustainable cities and communities</p>

<p>HALF YEARLY (SEP)</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self-Management Skills Unit 3 Basic ICT Skills</p> <p>Part B Subject Specific Skills Unit 1 introduction to Artificial Intelligence Unit 2 AI Project Cycle Unit 4 Introduction to Python</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self Management Skills Unit 3 Basic ICT Skills</p> <p>Part B Subject Specific Skills Unit 1 introduction to Artificial Intelligence Unit 2 AI Project Cycle Unit 4 Introduction to Python</p>	<p>Activity Programming question on python</p> <p>Activity – programming question on list of pythons</p>	<ul style="list-style-type: none"> Learn Basic programming skills through gamified platforms Acquire Introductory python programming skills in a very user friendly format Students will try some basic program solving exercises using list or python compiler Students will try some simple problem solving exercises on python compiler 	<p>https://www.youtube.com/watch?v=ad79nYk2keg</p> <p>https://quickdraw.wit.hgoogle.com</p> <p>https://rockpapersissors.ai/</p> <p>https://www.youtube.com/watch?v=P3CmPrDvVWQ</p> <p>https://www.youtube.com/watch?v=mAXJOV-wC0g</p>	<p>Sustainable cities and communities</p>
<p>PT3(NOV-DEC)</p>	<p>Part 1 Employability Skills Unit 4 : Entrepreneurial Skills Unit 5 : Green Skills</p>	<p>Part 1 Employability Skills Unit 4 : EntrepreneurialSkills Unit 5 : Green SkillsPart 2</p>	<p>Activity : PPT on Entrepreneurship</p> <p>Game on Go Goals Board Game</p>	<p>Students will learn the business and forms of business organization</p> <p>Students will learn green economy and main sectors of the green economy</p>	<p>https://www.youtube.com/watch?v=QskN3ck7b2k&t=866s</p>	<p>Industry innovation and infrastructures</p>

<p>PRE FINAL (JAN)</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self-Management Skills Unit 3 Basic ICT Skills Unit 4 : Entrepreneurial Skills Unit 5 : Green Skills</p> <p>Part B Subject Specific Skills Unit 1 introduction to Artificial Intelligence Unit 2 AI Project Cycle Unit 3 Neural Networks Unit 4 Introduction to Python</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self-Management Skills Unit 3 Basic ICT Skills Unit 4 : Entrepreneurial Skills Unit 5 : Green Skills</p> <p>Part B Subject Specific Skills Unit 1 introduction to Artificial Intelligence Unit 2 AI Project Cycle Unit 3 Neural Networks Unit 4 Introduction to Python</p>	<p>Activity – On DecisionTree</p> <p>Activity : Case Study onProject life cycle</p>	<p>To research and develop awareness of skills required for jobs of the future</p> <p>To imagine, examine and reflect on the skills required for the futuristic opportunities</p> <p>To understand and reflect on the ethical issues around AI</p> <p>Learn problem scopingand ways to set goals for an AI project Understand and appreciate the conceptof Neutral Network Through gamification</p>	<p>https://www.youtube.com/watch?v=7Jm0Bvz3pml</p> <p>https://www.youtube.com/watch?v=momzkuLMtao</p> <p>https://www.youtube.com/watch?v=f9FYxX5K_RE</p>	<p>Industry innovation and infrastructure</p>
<p>FINAL TERM (FEB)</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self-Management Skills Unit 3 Basic ICT Skills Unit 4 : Entrepreneurial Skills Unit 5 : Green Skills</p> <p>Part B Subject Specific Skills Unit 1 introduction to Artificial Intelligence Unit 2 AI Project Cycle Unit 3 Neural Networks Unit 4 Introduction to Python</p>	<p>Part 1 Employability Skills Unit 1 Communications Skills Unit 2 Self-Management Skills Unit 3 Basic ICT Skills Unit 4 : Entrepreneurial Skills Unit 5 : Green Skills</p> <p>Part B Subject Specific Skills Unit 1 introduction to Artificial Intelligence Unit 2 AI Project Cycle Unit 3 Neural Networks Unit 4 Introduction to Python</p>		<p>To gain awareness around AI bias and AI access</p> <p>To let the students analyses the advantages and disadvantages of AI</p>	<p>https://www.youtube.com/watch?v=7Jm0Bvz3pml</p> <p>https://www.youtube.com/watch?v=momzkuLMtao</p> <p>https://www.youtube.com/watch?v=f9FYxX5K_RE</p>	