VIDYA PRATISHTHAN'S NEW BAL VIKAS MANDIR, PIMPLI-BARAMATI.
ANNUAL CURRICULUM AND PEDAGOGICAL PLAN, 2025-2026.
SUBJECT-IT

Std : VIII A, B & C

Sr.No	Topics/Month/No.of periods	Learning Outcome	Assessment tools	Activities	Resources	Inter disciplinary
1	**April** **No. of Periods- 4** **Topic -**Networking Systems	Students will learn about components of computer networks, architectures and topologies.	Worksheet/ Open book test	Create a chart on Client-Server architecture or P2P architecture or network topology.	Textbook	***Life Skills-** Computer literacy
2	**June** **No. of Periods- 6** **Topic -** Lists and Tables in HTML5	Students will be able to - 1. create ordered, unordered, nested, description list. 2. create a table on webpage using HTML tags.	Lab Activity.	Deepshika is creating a list of movies that she has watch. She has decided to put the films into three categories which are Comic, Action and Animation. Help her by writing the code for the list. (Textbook Pg.No 34)	https://www.w3schools.com/html/html_tables.asp Textbook	***Life Skills-** Programming skills Logical Thinking Creativity, Experiential Learning. Art
3	**July** **No. of Periods- 8** **Topic -** Robotics	Students will learn- 1. different key components to build a Robot. 2. types of robots. 3. application of robotics in day to day life.	Activity	Think - Pair- Share (Discuss any one robot and tell how it was used in that particular field. Eg. Pragyan Rover - It was used in Chandrayan 3 mission)	Educational videos	***Life Skills-** Critical Thinking, Self- awareness

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4	**August** **No. of Periods- 7** **Topic -** Images, Links and Frames in HTML5	Students will be able to- 1. insert images using <img> tag along with its attributes. 2. create links on HTML page using text / image. 3. create frames to insert audio or video on web page.	Lab Activity.	Design a basic webpage where you want to sell few items. Do the following for the same- * add images of item you want to sell. * include text ie (for amount, description of item, etc)	https://www.w3schools.com/tags/tag_img.asp	*Life Skills- Logical Thinking, Programming Skills, Creativity
5	**First Terminal Examination, September 2025.**					
6	**October** **No. of Periods- 8** **Topic -** Statements in Python	Students will be able to use control statements and its type. (Sequential and conditional statements) in python.	Lab Activity	Write a python program to check the eligibility criteria for driving a car using if else condition.	chools.com/python/pyth	*Life Skills- Programming skills Logical Thinking Creativity
7	**November** **No. of Periods- 6** **Topic -** Iterative Statements	Students will be able to use iterative statements like for loop and while loops.	Lab Activity	Write a python program to print- * even numbers between 2 to 100. * numbers in descending order. using range( ).	https://www.w3schools.com/python/python_for_loops.asp https://www.w3schools.com/python/python_while_loops.asp	*Life Skills- Programming skills Logical Thinking Creativity
8	**December** **No. of Periods- 6** **Topic -** Cyber Ethics	Students will be able to understand - 1. Cyber Ethics. 2. the term cybercrime. 3. Cybercrime against individual. (email spoofing, cyberstalking, cyberbullying).	Open Book Test	Assignment questions related to lesson.	Educational Video Textbook	*Life Skills- Computational awareness, ICT Skills, Social awareness

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9	**January.** **No. of Periods- 3** **Topic -** Cyber Ethics **No. of Periods- 3** **Topic -** Cloud Computing and IoT **Cloud Computing**	Students will learn to understand- 4. cybercrime against Property. (IPR, identity theft, phishing). 5. cybercrime against organization.(virus, hacking, cyber extortion). 6. safety measures. Students will be able to understand - 1. types of cloud services. 2. advantages and Disadvantages of Cloud computing. 3. applications of Cloud computing.	Assignment	Group Discussion - Different Cybercrime , Safety Measures while working online.	Educational Video Textbook	*Life Skills- Computational awareness, ICT Skills, Social awareness
10	**February** **No. of Periods- 4** **Topic - IoT**	Students will be able to understand 1. how IoT works? 2. advantages and disadvantages of IoT. 3. future of IoT	Activity	Use Google Slides to prepare a presentation, share it with your friends and given them permission to edit the slide. Explain the Internet technology you have used here and tell how does it works.	Educational Video	*Life Skills- Computational awareness, ICT Skills, Social awareness
11	**Second Terminal Examination, March 2026.**					