|  |  |  |  |
| --- | --- | --- | --- |
| **SAINIK SCHOOL KODAGU**  **CLASS IX ARTIFICIAL INTELLIGENCE(417)**  **DATE WISE SPLIT UP OF SYLLABUS** | | | |
| **SNO** | **MONTH** | **SYLLABUS COVERAGE** | **Remarks** |
| **1** | **APR** | **Unit-1 AI Reflection , Project Cycle and Ethics** |  |
| 1. **Understanding AI : Domains and Applications of AI** |  |
| 1. The AI Project Cycle : Problem scoping , Data Acquisition, Data exploration , Modelling , Evaluation |  |
| 1. The difference between morality and ethics 2. AI Bias , Unemployment and Privacy |  |
| 1. The ethical scenarios faced while building AI solutions |  |
| **2** | **JUNE** | **Unit-2 :Data Literacy and its impact** | June -July |
| How to become Data literate |
| **Data Security and privacy** |
| Best practices for cyber security |
| Types of data , source of data |
| Importance of Data Interpretation |
| Tools used for Data interpretation |
| Data visualization and importance |
| Visualization of data with No-code AI tool |
| Create a simple and interactive chart with a No-code AI tool |
| **3** | **Aug** | **Unit -3: Importance of Math in AI** | Aug-September |
|  |  | (a)The applications of Mathematics in AI |
|  |  | (b)The different Mathematical concepts |
|  |  | (c)Important for understanding AI |
|  |  | (d) Use of Statistics in different AI applications |
| (d) Use of Probability in different AI applications |
| **4** | **Sep** | Unit-IV : Python Programming | Sep-Oct |
| 1. Introduction to python |
| 1. Input and output functions in python |
| 1. Data types in python |
| 1. Operators in python |
|  |  | 1. Conditional statements |
|  |  | 1. Looping statment |
| **5** | **Oct-Nov** | Unit-V : Introduction to Generative AI | Nov |
| 1. Definition and overview |
| 1. Difference between convolution AI vs Generative AI |
| 1. Different Generative AI tools |
| **Unit -6: Stress Management** |
| Self confidence building tips |
| Factors that help in building self confidence |
| **Unit -2 ICT[PART-B]** | Dec |
| Define computer and characteristics of computer. |
| **Input devices ,out put devices** |
| **6** | **Dec** | **Memory devices and memory units** |
| Operating system and functions of os |
| Managing files and folders |
| Applications of internet and Email |
| Introduction to social media |
| **Unit-3 Neural Networks[PART-A]** |  |
| **Define neural networks, Advantages of Neural networks** |  |
| Applications of Neural networks |  |