**KIDS WORLD SCHOOL**
**SESSION - 2024 -25**
**ANNUAL CURRICULUM PLANNER**
**SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS**

**CLASS –X**

| MONTH | TOPIC | METHODOLOGY | ACTIVITY | LEARNING OUTCOMES |
|---|---|---|---|---|
| JULY | IoT Automation /IoT Circular | Theory/Practical Circular activity | Smart security system in simulation and hardware; Practical to control LED, buzzer using code and sensors | IoT Application and integration with AI |
| AUGUST | AIoT advance /Iot Circular | Theory/Practical Circular activity | Face recognition based attendance system; Build AI based security alarm system | IoT Application and integration with AI |
| SEPTEMBER | AIoT advance /Iot Circular | Theory/Practical Circular activity | Integrating face recognition to security system; Build AI based security alarm system | IoT Application and integration with AI |
| OCTOBER | Integrated System / Coding circular | Theory/Practical Circular activity | Optimizing face recognition to security system; Tweak the code for AI based security alarm system | Creating integrated projects - AI, Iot, software, drone |
| NOVEMBER | Integrated System / Coding circular | Theory/Practical Circular activity | Deploying face recognition to security system; 3d print for decoration of project | Creating integrated projects - AI, Iot, software, drone |
| DECEMBER | Drone / AI Circular | Theory/Practical Circular activity | Customize drone using homemade items; presentation and showcase | Homemade drone design and assembly |

| | | | | |
|---|---|---|---|---|
| **JANUARY** | Data Science / AI Circular | Theory/Practical Circular activity | Gold price prediction and apply all the concepts of theorem for data analysis; AI (NLP) based chatbot | Data analysis concepts of theorems |
| **FEBRUARY** | Data Science /Rocket & Satellite | Theory/Practical Circular activity | Gold price prediction and apply all the concepts of theorem for data analysis; Build a satellite working model; Presentation and showcase of projects | Data science theorems and Design and assembly of rockets and satellites |