

# ATL EVENT: KURIOVATION

## LED MATRIX MAKER CHALLENGE

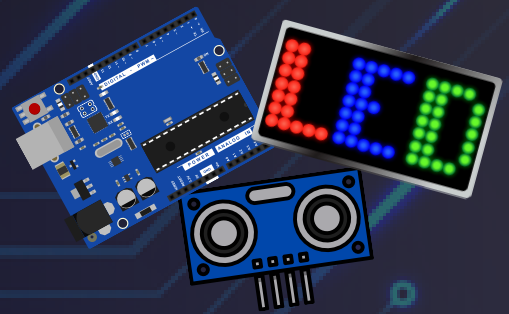
**Class: VI - IX**

**No. of Teams Allowed Per School : One**

**Team Size: 2 students**

**Mode: Offline**

**Venue: ATL Lab**



### Guidelines:

- Teams must conceptualize, design, and build an innovative project demonstrating Green Technology innovation (e.g., renewable energy, waste management, water conservation, smart agriculture, eco-friendly transportation, etc.). The project must connect with at least one SDG and show a clear problem-solving approach.
- Projects may include animations, games, scrolling displays or practical gadgets. The project must involve programming and hardware integration using a suitable microcontroller (Arduino, Raspberry Pi, Neo+ board, ESP board etc.).
- Participants are allowed to use components and sensors as required for the project with use of LED Matrix being mandatory. All components used should be safe to handle.
- Use of pre-assembled commercial modules is NOT allowed.
- Teams must bring the project in a ready state along with the device/s to present the same, if any. They must have their own wi-fi arrangement in case it is required for the project.
- Models must function autonomously or semi-autonomously (with minimal manual intervention).
- Each team will be given 3-4 minutes to present their project followed by Q&A by judges.
- The participants are expected to uphold fairness, respect fellow participants, and ensure no harm is caused to components, projects, or equipment during the event; failing which, they will be disqualified.
- The judges' decision will be final and abiding by all participants.

### Judgement Criteria:

- Innovation & Creativity
- Functionality & Execution
- Presentation & Explanation

### Contact Details :

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