ROBOTICS SHOWCASE

The 4-H Robotics Showcase is an opportunity for youth to showcase their Science, Technology, Engineering, and Math (STEM) talents by presenting their robot's design and programming skills to judges and members of the public. All youth participants have the ability to interact with the judges and run the programs on the robot exhibit.

RULES

A. Participants may enter as an individual or as a team. A team consists of 2-4 individuals.

*F500037 **Robotics Video** – This class should be displayed in a notebook. The notebook should include a video clip on a CD/DVD that demonstrates the robot performing the programmed function. Include your pseudo code and screenshots of the actual code with a written description of the icon/command functions. Videos can be uploaded to a video streaming application and exhibitors MUST provide a hard copy QR code for viewing. Exhibitors are encouraged to test their codes or links on several devices to check for appropriate permissions.

*F500038 **Build a Robot (may use kit)** – Include a robot and notebook including the pseudocodes for at least one program you have written for the robot, the robots purpose, and any challenges or changes you would make in the robot design or programming.