Mayoor School, Noida

CELEBRATING 20 YEARS OF EXCELLENCE

Circular No. MSN/SB/12/2024

Circular - SUPW
Robotics & Aeromodelling
Class IX (2024-25)

Dear Parent Date: 15.04.2024

In our constant endeavour to provide holistic learning, we have associated with Robospecies & Mindwize Academy to train and educate our students in Robotics & Aeromodelling. This will increase critical thinking, problem solving and scientific temper. Robotics is the application and implementation of concepts learnt in Science, Technology, Engineering and Maths. It is a natural progression and evolution of learning.
This will be a fun filled learning process that inspires interest and motivation to pursue career in the field of Science and Technology.

ADVANCED ROBOTICS
Robotics Kit Charges: 6000/- INR
Course Duration: 20 Hours

Course Details

- Introduction to Infra Red Sensors, and Interfacing IR Sensors with Roboduino Board. Introduction to Advanced Arduino Motor Shield and interfacing it with Roboduino Board.
- Concept of Line Follower, Obstacle Avoider and Edge Avoider Robot.
- Programming Robots to make a Line Follower Robot, Completion and testing of Line Follower Robots.

AEROMODELLING LEVEL-3

AeromodellingKit ChargesRs.4000/- per participant (includes 2 kits + Drone technology with hands on flying)
COURSE DURATION: 20 HOURS
Course Details:
The students will learn the vast science of aerodynamics throughout the year. The key take-aways for them will be:
1) Building, making and flying the Hunter Balsa Catapult Glider and a Depron Trainer
Chuck Glider
2) Drone Flying & Drone Technology, by hands-on programming and flying a DJI Tello
Programmable Drone.
3) Paper models to better understand the effects of different types and sizes of wings.
4) Conduct hands-on experiments to better understand key aerodynamic principles like Newton's Third Law of Motion, Bernoulli's Principle, The Coanda Effect, etc.
5) Airplane flight simulations which give the experience of flying real planes, along with the ability to control the switches/buttons on the control panel.
For more details, you may watch these videos:
Model flying by students : https://youtu.be/DTR54A7bCUU
Glimpses of some models : https://youtu.be/GgvRL_jaiQs

Interested students can submit the consent form and amount to the class teacher in a well-labelled envelope latest by 16th April, 2024.
We believe that it will be a fun and engaging experience for our students.
Warm regards

Alka Awasthi
Principal

Mayoor School, Noida

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Consent Form

My ward _____Admission No_____ of Class / Section___is interested for joining Robotics course option _____. The amount of _____/- INR, (by Cash or Demand Draft No. _____Dated _____) is being paid for the same.

Parent's Signature:
Parent's Name:
Contact No. :