



# SWAT BOTS

< UAV DRONE >

**IIT**  
NAYA RAIPUR

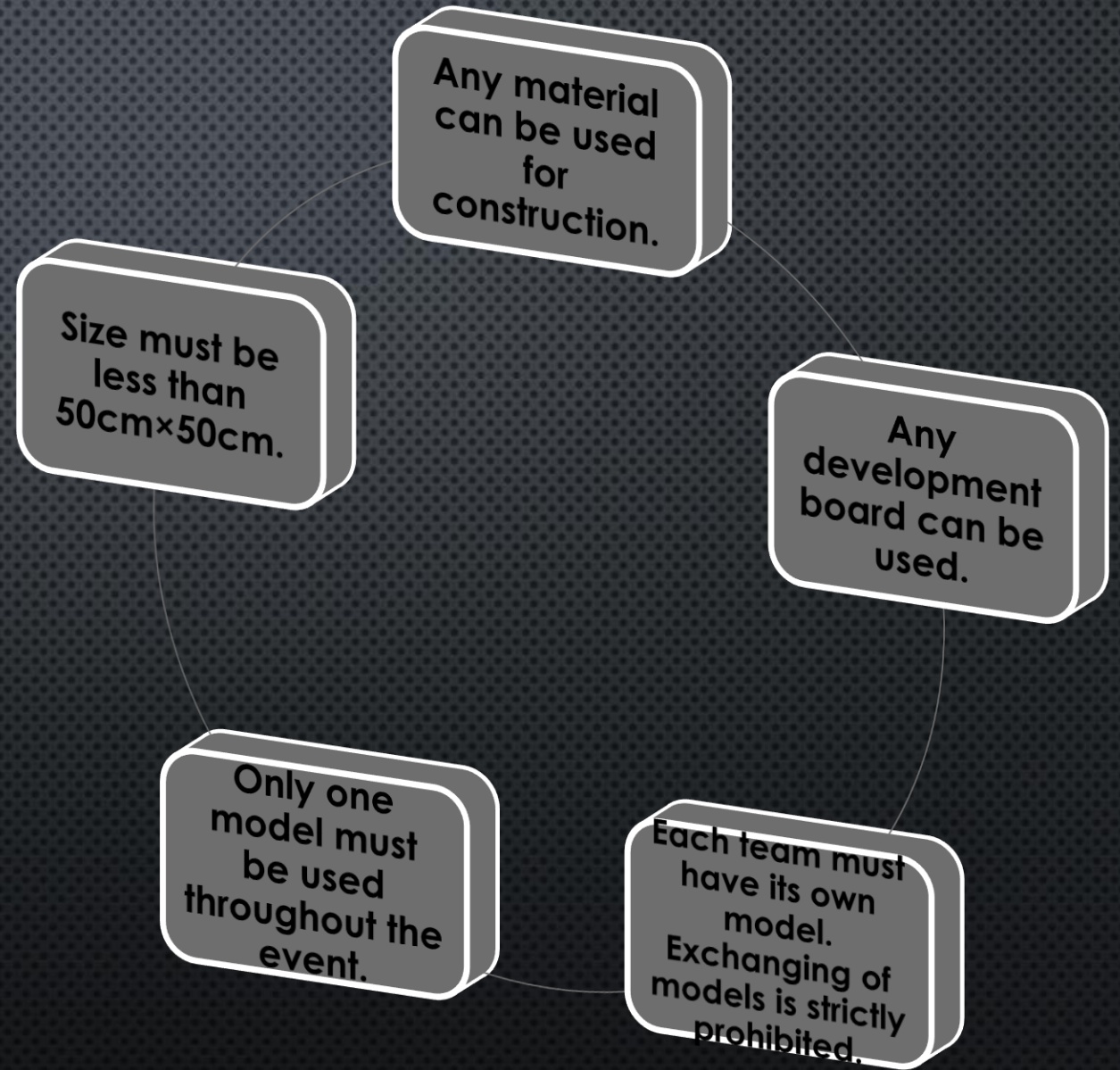


**TECHNOVATE**

**SWAT BOTS**



# MODEL SPECIFICATIONS:



# **\*2 ROUNDS IN THE COMPETITION !!**

## **ROUND 1**

- A) SHOW OFF YOUR FLYING BOT!!
- B) FOR STABILITY THE CONTROLLER HAS TO TAKE OFF FROM A STARTING POINT AND THEN LAND THE FLYING BOT IN THE GIVEN LANDING REGION AT SOME DISTANCE FROM THE STARTING POINT.

\*Flight time for a run is defined as the time taken by the flying bot to travel from starting point to ending point .



## ROUND 2

A) YOUR FLYING BOT MUST TAKE OFF TO A SPECIFIED HEIGHT, AND THE HALT THERE MUST BE STABLE.

B) IN THE FLYING ZONE, YOUR FLYING BOT MUST GET THROUGH THE RINGS. EACH RING WILL CARRY SPECIFIC POINTS.

# TEAM STRUCTURE:

- ✓ A TEAM CAN CONSIST OF MAXIMUM 5 MEMBERS. STUDENTS FROM DIFFERENT COLLEGES CAN FORM A TEAM.
  - ✓ EACH TEAM MUST HAVE ITS OWN MODEL. EXCHANGING OF MODELS IS STRICTLY PROHIBITED.
  - ✓ YOU SHOULD NOT LIFT THE BOT TO IMPROVE YOUR POSITION.
  - ✓ READY MADE MODELS WILL NOT BE ALLOWED, HOWEVER PRE-PROGRAMMED BOARDS MAY OR MAY NOT BE USED.
  - ✓ ALREADY BUILT FRAMES CAN BE USED.
  - ✓ NO RESTRICTION ON MATERIAL USED IN MAKING THE MACHINE .
  - ✓ A TEAM CAN USE ONLY ONE MODEL THROUGHOUT THE EVENT IN ALL THE ROUNDS.
- COORDINATORS RESERVE ALL RIGHTS TO CHANGE ANY OR ALL OF THE ABOVE RULES. CHANGES WILL BE HIGHLIGHTED ON THE WEBSITE.



## RESOURCES:

- ✓ ONLY ONE ELECTRIC SOCKETS (220-230V) WILL BE PROVIDED.
- ✓ WE STRONGLY RECOMMEND YOU TO BRING YOUR OWN TOOLKIT.

## ELIGIBILITY:

- ✓ ALL STUDENTS WITH A VALID IDENTITY CARD OF THEIR RESPECTIVE INSTITUTES ARE ELIGIBLE TO PARTICIPATE IN THE EVENT. STUDENTS FROM DIFFERENT INSTITUTES CAN FORM A TEAM.




...FOR MORE DETAILS CONTACT



**AJEET MAURYA**

SWAT BOT- EVENT COORDINATOR


 7587745921

 [AJEET1SM@GMAIL.COM](mailto:AJEET1SM@GMAIL.COM)



**PRACHI PRIYAM**

SWAT BOT- EVENT COORDINATOR

 9451535312

 [P4PRACHI1020@GMAIL.COM](mailto:P4PRACHI1020@GMAIL.COM)