LINE FOLLOWING BOT

Bot Specifications:

1. Dimension 20cm Max(width) x 20cm Max (length) x20cm Max(height) and 1 kg limits for bots shall be strictly enforced.
2. Bots must have passed inspection prior to competing.
3. The bot cannot be constructed using readymade Lego kits or any readymade mechanism. But you can make use of readymade gear assemblies. Violating this clause will lead to the disqualification of the machine.
4. There can only be a single power source which should be included in the bot and should not exceed 12 volts at any time during competition.

Course Time:

1. A bot is deemed to have crossed the line when the forward most wheel, track, or leg of the bot crosses over the line. Time shall be measured by a judge with a stopwatch.
2. Once a bot has crossed the starting line it must remain fully Autonomous.

Course Specifications:

1. The line following course shall traverse a white arena. The line shall be a black 30 mm (20% tolerance) wide line traversing the arena from end to end. There may be crossovers (e.g. places where the line crosses itself). adjacent sections of the line shall be no closer together than 15cm when measured from the center of each line.
2. The track may contain bends (both acute and obtuse angles), curves, T-joints and breaks.
3. Line course will contain some check points. Team will be awarded points (decided by the organizer during the event) for crossing each checkpoint.

Arena Edges:

1. A bot that wanders off of the arena surface course will be disqualified
2. A bot shall be deemed to have left the arena when any wheel, leg has moved completely off the arena surface.

Losing the Line and check points:

1. Any bot that loses the line course must reacquire the line at the point where it was lost, or at any earlier (i.e. already traversed). In case it exceeds 10 reattempts (may vary during event) then race will end and points will be considered till that point.

Liability:

1. Participating teams are always responsible for the safety of their bots and are liable for any accidents caused by their team members or their bots.
2. Organizing team members will never be held responsible nor liable for any incidents and / or accidents caused by participating teams or their equipment.

Organizer's decision is final and binding in all matters. No arguments will be entertained. If any arise, the team will be disqualified.