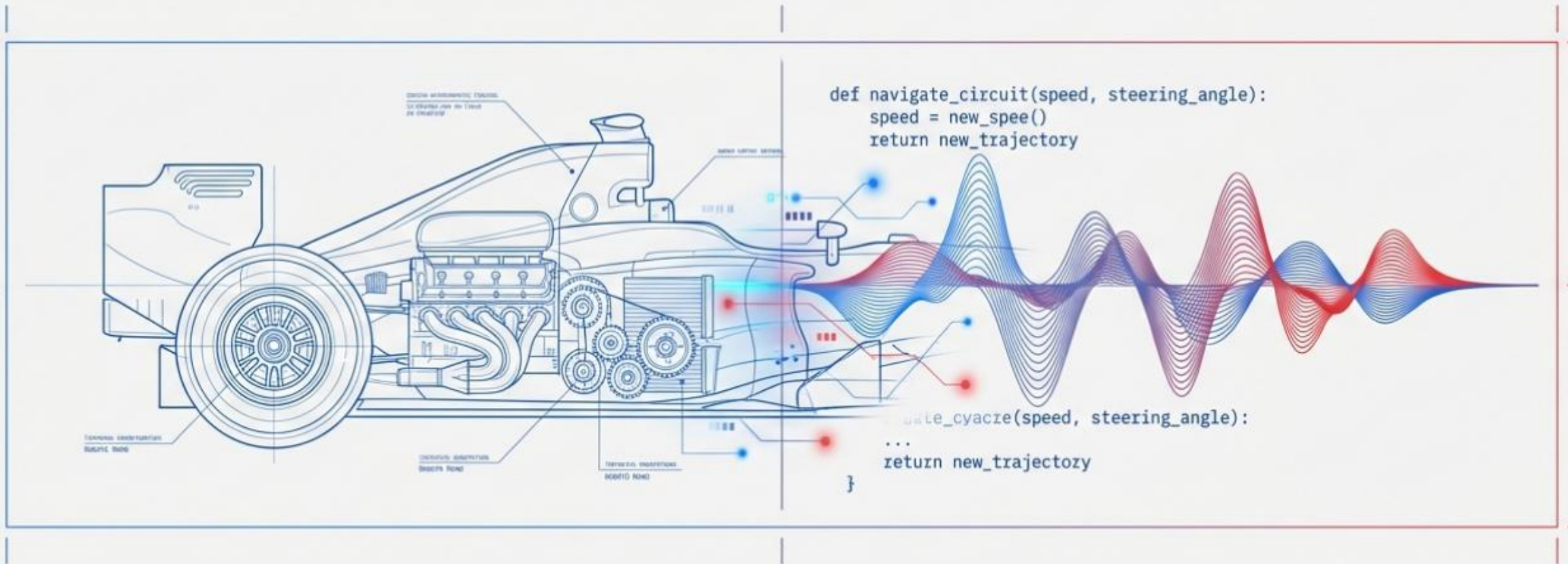


# Code, Collaborate, Communicate

## The IBM AI Racing League Tiered Tournament Framework



# The Dual-Core Athlete

The league is designed to simulate industry realities where complex concepts must be explained effectively. It is not enough to build a fast driver; teams must articulate the logic behind the speed.

**“Great technologists aren’t just technical.”**



- **The Build:** Coding autonomous drivers.



- **The Race:** Competing on the Corkscrew circuit



- **The Pitch:** Defending the strategy via video.

# THE RULE of 8


1. All team members must complete at least one [IBM SkillsBuild](#) credential  
[IBM Granite credential](#) is mandatory for team members
2. All laps must begin from a standing start and use the Corkscrew Track
3. Do not change internal TORCS car model dynamics or livery for your official team submission  
You may only change your AI Python code  
However – once official team submission has been entered – you can race multiple university team cars together in a single race (and then change the livery to add a number to each car to differentiate) – include the video on your team blog
4. Add your team name and university name to your videos – so we know who you are
5. Team member number - ideal size approx. 5 but maximum 10 team members per team
6. Note: Lap times will be used as a qualifier – team videos to be used to select the winner
7. Don't neglect your team video and blog – introduce your team, your course, your university and then approach to the race – and particularly highlight your use of IBM Granite and IBM SkillsBuild.
8. Be sure to have a blog post, where you highlight your teams project approach and use of IBM Granite and IBM Skills Build – and include all of your videos.


**Mandatory Training:** Participants must complete the 'IBM Granite models for Software Dev' course on IBM SkillsBuild to learn troubleshooting and logic building.

# Constructor Specifications

## The Team



 **Composition:** University Students

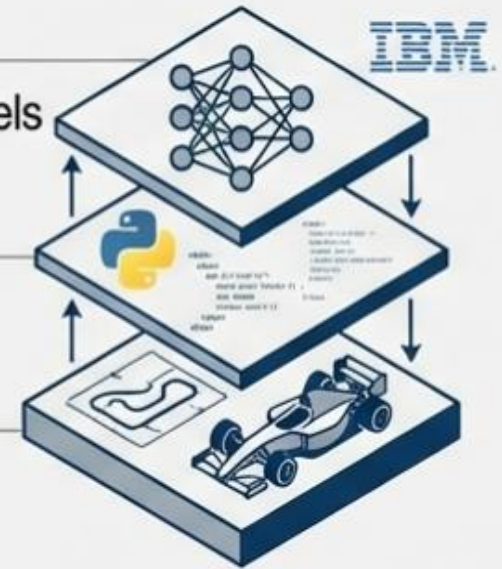
 **Squad Size:** max10 Members

## The Stack

**Core Engine:**  
IBM Granite AI Models

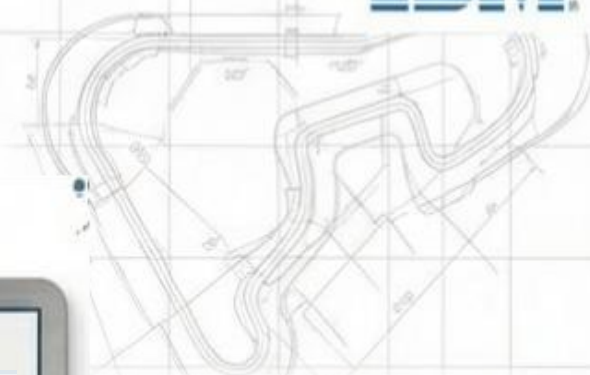
**Language:**  
Python

**Environment:**  
TORCS (The Open  
Race Car Simulator)



**Mandatory Training:** Participants must complete the 'IBM Granite models for Software Dev' course on IBM SkillsBuild to learn troubleshooting and logic building.

# The Progression Funnel



## Tier 1: Local Country Leagues

Mass Participation /  
Decentralized

Qualification by  
Performance

## Starting Grid

1. Students review presentation  
<https://ibm.biz/TORCSRegtoSub>
2. Students register their team  
<https://ibm.biz/RegistrationTORCS>
3. Team code and race their car
4. Team submit their race artifacts, inc' race video, team video & Github repo  
<https://ibm.biz/TORCSForm>

# Level 1: The Qualifier (Local Country Leagues)



**Context:** Decentralized competitions hosted by individual participating countries.

## Required Entry Components:

- Video of the fastest lap
- Team introduction video
- Link to public GitHub repository
- Final race data



# The Filter: Speed vs. Strategy



Top Team  
Advance to Europe.

## Step 1: The Qualifier

**Metric:** Fastest lap time on Corkscrew (Standing Start).  
**Function:** Identifies top performers. Speed gets you in the door.

## Step 2: The Deciding Factor

**Metric:** The Team Video.  
**Function:** Determines the winner.  
**Criteria:** Team intro, Strategic approach, Usage of Granite/SkillsBuild.

# Winning Glory

Top 10 Regional teams (Qualified as fastest 10 lap times) you will receive:

- IBM Career mentor per team for a semester (3 months)
- IBM Certificate of 'IBM AI Race League Racer Top Teams'
- Videos & Blog posts to be shared and featured online by IBM Race League Team

Top 3 Regional teams (Qualifying lap time + top 3 best team video)

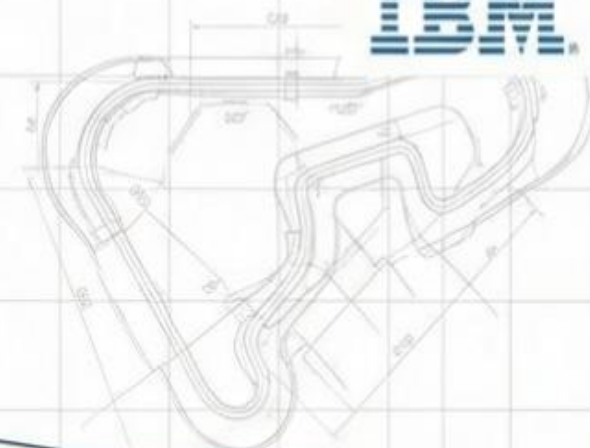
- As above + showcased as top 3 on Social Media by the IBM Race league Team
- IBM Certificate of 'IBM AI Race League Racer Finalists'
- IBM exclusive merchandise for the IBM Race League top 3 finalist teams
- Visit and tour to the local IBM location\*
- Team trophy

First place (Qualifying lap time + best team video)

- As above + round table with the IBM Country General Manager
- Showcased as country/region winner on Social media by the IBM Race league Team
- IBM Certificate of 'IBM AI Race League Racer Country Winner'
- Progress to Geo stage – unlocking further prizes
- Winning trophy

\* where practical

# The Progression Funnel



# The Regional Standard



## Judge's Scorecard

### TECHNICAL ELIGIBILITY



Fastest Lap  
(Prerequisite)

### RANKING CRITERIA



Team Introduction Video  
(The Deciding Factor)

### JUDGE'S FOCUS AREAS

*"AI Development  
Prowess"*

*"Team  
Collaboration"*

*"Technical  
Communication"*

Outcome: Top Team Advance

# Level 3: The World Stage



**Mission:** Build the ultimate autonomous driver for the Corkscrew circuit.

A Global Showcase designed to highlight industry-ready talent.



# Crowning the Champion



At the elite level, technical perfection is the baseline.  
**The differentiator is vision.**

## **Selection Logic:**

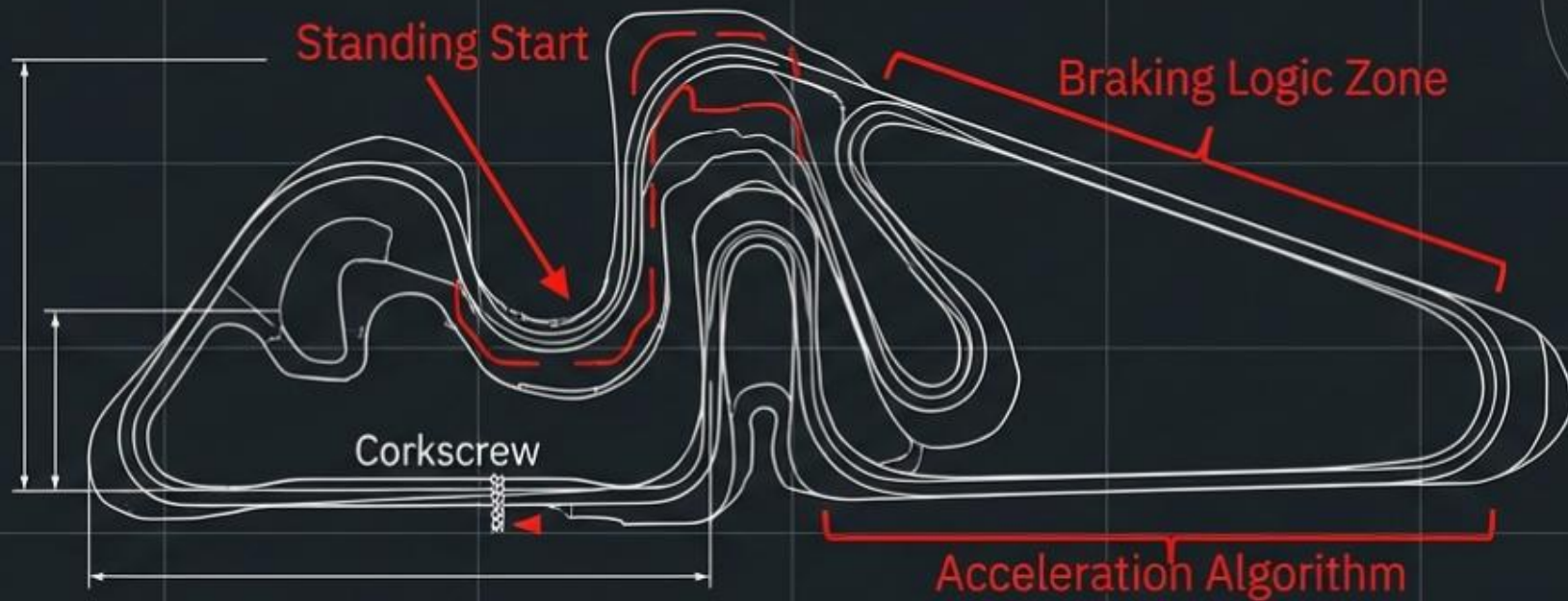
Champions are chosen based on the Team Video.



## **Specific Focus:**

Alignment with a shared, ambitious goal and unique strategic approach.

# The Proving Ground: Corkscrew Circuit



Standardized Environment: Mastery of this specific circuit's geometry through code is the technical objective.



# Anatomy of a Winning Video

Not a vlog. A technical defense.



(Who is behind  
the code?)

(Why did you build  
it this way?)

(Detailed explanation  
of IBM Granite  
& SkillsBuild usage)



# Operational Standardization



One League, One Standard. Consistency across countries is maintained through centralized tools.



# The Learning Arc



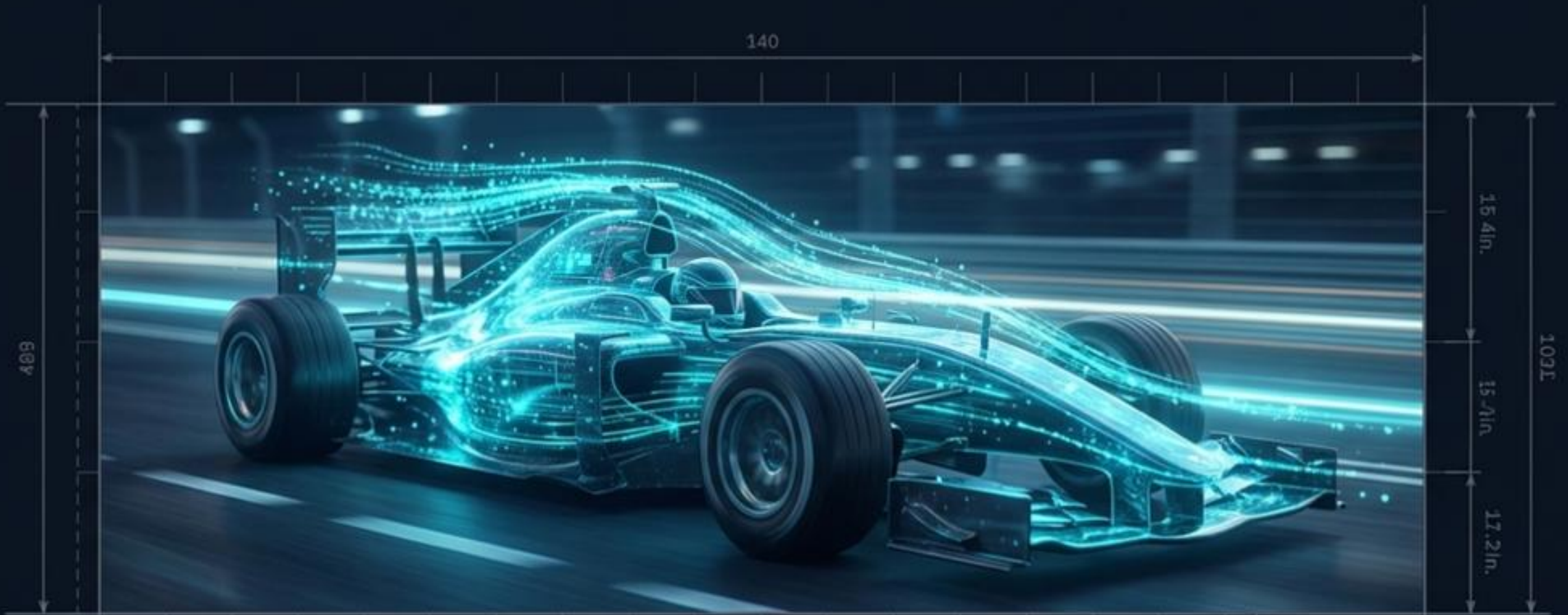
# Beyond the Finish Line



The IBM AI Racing League framework creates a pipeline of talent that is technically proficient and communicatively strong.

**We don't just find the fastest car—we identify the next generation of complete technologists.**





**YOUR MISSION IS A GO.**

Assemble Your Team. Start Your Engines.

**REGISTER NOW:**

<https://ibm.biz/RegistrationTORCS>