TECH-PRIZE *Coding Competition*

Rules and Guidelines

Coding Competition Overview:

The coding competition is an application development competition.

How is our world transforming?

All the data in the world in 1990 fit inside of a physical space of two (2) marbles. All the data in 2020 fits inside of thirty (30) basketballs, all data in 2025 is projected to require one hundred and fifty (150) basketballs of space.

Our community desires to recognize how the world is transforming and establish community based process that provides the knowledge, skills, motivation, and jobs to make Racine and the Wisconn Valley the coding "Silicon Valley" of the Midwest.

The coding completion seeks to bring our community together to teach these skills and solve these problems. We would ask that anyone who has this interest in coding come and participate.

What skill level do you need to participate?

If you can play any board or computer game we will teach you to code.

Coding Competition Initiatives to be solved

This coding event will focus on SMART City initiatives which include:
- Uses of 5G technology
- Sustainability –
    - reduction in food waste
    - reduction of fresh water usage
    - reduction of pollution
- Transportation – connected services, ie. scooters, bus, train, Uber
- SMART City Services locators: parks, restaurants, walking paths, beaches, fishing, sailing, etc.
- Open Category for other SMART city initiatives.

Who can compete?

- The event is open to all age groups, teams ranging from 2 to 6 members. All members must be registered. For those under the age of 18, they must have a parental release to participate.

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- Competition Groups
    - 3rd to 8th Grade
    - 9th to 12th Grade
    - College/Open

Judging Criteria

1. Team to identify problem to solve SMART City Initiatives (Above) - 10 percent
2. Team to define the problem to solve (Story Book) - 15 percent
3. Team to create working Demo - 50 percent
4. Team to document marketing viability (Value) - 15 percent
5. Team presentation to judges and public - 10 percent

Competition Process

- Competition pre-registration is open March 16 through July 10th at www.Tech-Prize.org
- Event Day site registration is open from 7 to 8 am on August 5th at the Gateway Technical College, IT Center of Excellence, Technical Building, 3rd Floor, 1001 Main Street Racine, WI
- This is a 36-hour competition that will run from 8am, August 5th, continuously through 8 pm, August 6th.
- All persons under the age of 18 will have to stop work at 10 pm and return in the morning at 7 am to resume coding.
- Competitors will be able to utilize gaming systems located on the floor to relax.
- Presentation and judging will occur at Gateway's Conference Center August 6, starting at 8 PM. Awards will be presented upon completion. We would like all award winners to come to the awards ceremony on Sunday, August 9th.

Tools for Coding Competition

- All apps developed will be hosted on the www.Tech-Prize.org website when complete for public viewing and use.
- The following apps are supported Apps for development are:
    - Gamesalad (cost to this one)
    - Apache Cordova
    - Ionic
    - Microsoft Power Apps (O365)
    - Wordpress, Drupal
- Gateway Technical College is providing 18 stations in 5 classrooms (90 computers) and software for teams to use.
- Competitors may bring their own hardware and software.
- Instructors and students from Gateway, UW-Parkside, UW-Milwaukee will be present to assist throughout the process.

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- Mentors and coaches are welcome to participate throughout the competition (those present are encouraged to help all competitors)

Participation Rules and Guidelines:

Code of conduct will apply to all participants. See Tech-Prize.org for details.

All intellectual property built during the competition will be hosted on the Tech-Prize.org for use by the community.   We are coming together to create solutions for a SMART city around coding. Our goal is to create energy and motivation around coding skills and SMART city solutions for our community. Following that objective all participates agree to release all intellectual property to the City of Racine.

Any participant under the age of 18 must have a signed parental consent with emergency release at the time of competition.

For more information Visit http://www.tech-prize.org/ or Scan the QR Code bellow