KPIT | SPARKLE

KPIT Sparkle

AN INTERNATIONAL CONTEST FOR ENGINEERING STUDENTS

Register now!

ABOUT KPIT SPARKLE

KPIT Sparkle is a student innovation contest by KPIT Technologies. Over the years, KPIT Sparkle has gained immense support and trust, attracting lakhs of students and generating thousands of ideas. The contest allows students to channel their innovative ideas, leverage cutting-edge technologies, and collaborate with industry experts.

KPIT SPARKLE OVER 9 YEARS

1 Lac	1.2k+	10K+	1.37Cr
Student Participants	Institutes	Ideas	Money Awarded

ABOUT KPIT SPARKLE 2024

In the 10th edition of KPIT SPARKLE, we are pushing the innovation quotient, where students from across the world will have to bring their 'A Game' and dig deep. New-age technologies like Generative AI, Large language models, High-Performance Computing, 5G and Digital Public Infrastructure (DPI) provide tremendous opportunities for innovation!

This year's themes for KPIT Sparkle will challenge students to think laterally and derive innovative solutions.
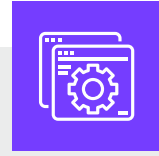
CATEGORIES FOR IDEA SUBMISSION

Innovative Approaches to arrive at Data Determinism and Time Determinism in Embedded Software

Innovative approach towards building an Operating System for a safe & scalable Microkernel Architecture
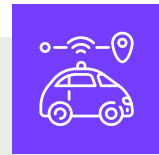
Innovative Approach towards Lightweighting Linux for Safety-critical Embedded Applications

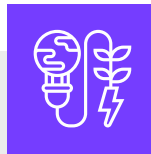Innovative approaches towards Cyber Security of Software

Leveraging DPI (Digital Public Infrastructure) & 5G connectivity to create innovative and end-user-friendly-applications in Mobility
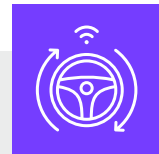
Application of Large Language Models for Mobility

Innovative approaches to improving Battery Range in an Electric Vehicle

Alternate Sources of Energy for Mobility

Alternate approaches to building Autonomous Systems

WHY PARTICIPATE?

Cash prizes upto 12 Lakhs

Support and guidance from KPIT SMEs

Global Industry exposure to students and faculty

IP and Idea ownership remains with students

ELIGIBILITY CRITERIA

Undergraduate Students from Science and Engineering across the globe

The team can be formed from the same or different department(s), Branch, and even different colleges

Students can participate as an individual (1 member team + Mentor) or as a team (Max 5 + Mentor)

The team should appoint a mentor for their project from the college or outside

HOW TO REGISTER?

Participating in KPIT Sparkle is easy! Follow these simple steps:

STEP 01
Visit our portal
sparkle.kpit.com

STEP 02
Register
As an individual or as a team. Incase of a team, all members must register

STEP 03
Idea Submission
Team Leader should submit the idea on our portal
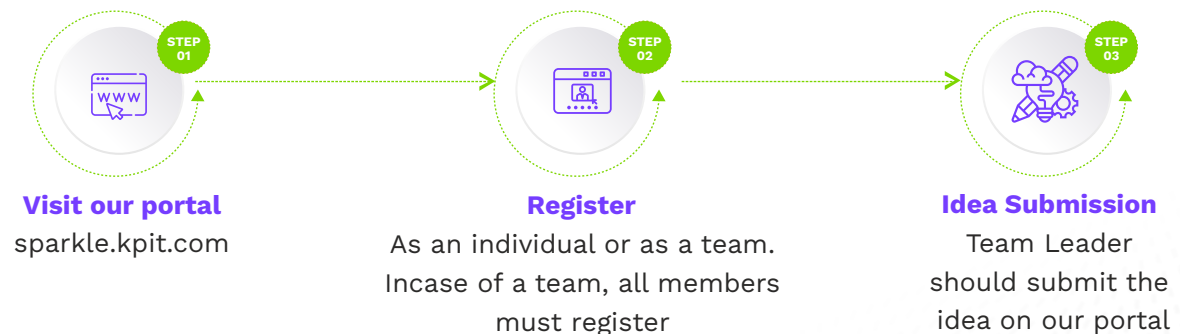
REGISTRATION FOR KPIT SPARKLE IS FREE

TIMELINE

MAR'24

FINALE

Pre-Requisites:
Working prototype and final solution (Software only or Software + Hardware)

Selection of finalist

DEC'23

PRE-FINALE

Pre-Requisites:
Presentation of proof-of-concept online (Dec), Video demonstrating the Feasibility of implementation, and Virtual/ Physical Prototype
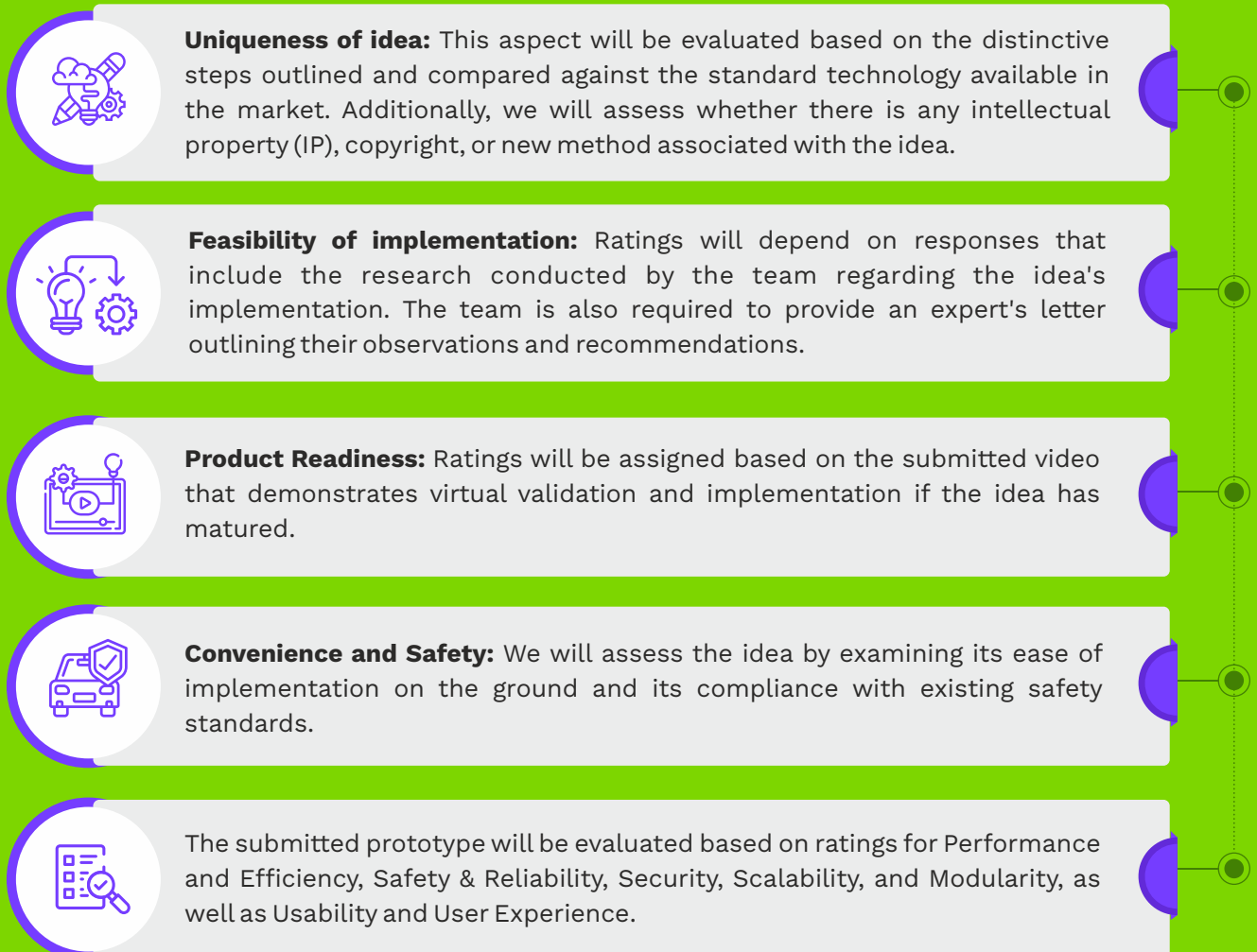
Selection of top 100 teams

AUG - OCT'23

REGISTRATION & IDEA SUBMISSION

Pre-Requisites:
Team Composition | Problem Statement | Solution, Innovation, Uniqueness compared to the benchmark, Feasibility of implementation

EVALUATION CRITERIA

Uniqueness of idea: This aspect will be evaluated based on the distinctive steps outlined and compared against the standard technology available in the market. Additionally, we will assess whether there is any intellectual property (IP), copyright, or new method associated with the idea.

Feasibility of implementation: Ratings will depend on responses that include the research conducted by the team regarding the idea's implementation. The team is also required to provide an expert's letter outlining their observations and recommendations.

Product Readiness: Ratings will be assigned based on the submitted video that demonstrates virtual validation and implementation if the idea has matured.

Convenience and Safety: We will assess the idea by examining its ease of implementation on the ground and its compliance with existing safety standards.

The submitted prototype will be evaluated based on ratings for Performance and Efficiency, Safety & Reliability, Security, Scalability, and Modularity, as well as Usability and User Experience.

ABOUT KPIT TECHNOLOGIES

KPIT Technologies is a global partner to the automotive and Mobility ecosystem for making software-defined vehicles a reality. It is a leading independent software development and integration partner helping mobility leapfrog towards a clean, smart, and safe future. With 11000+ automobelievers across the globe specializing in embedded software, AI, and digital solutions, KPIT accelerates its clients' implementation of next-generation technologies for the future mobility roadmap. With engineering centers in Europe, the USA, Japan, China, Thailand, and India, KPIT works with leaders in automotive and Mobility and is present where the ecosystem is transforming.
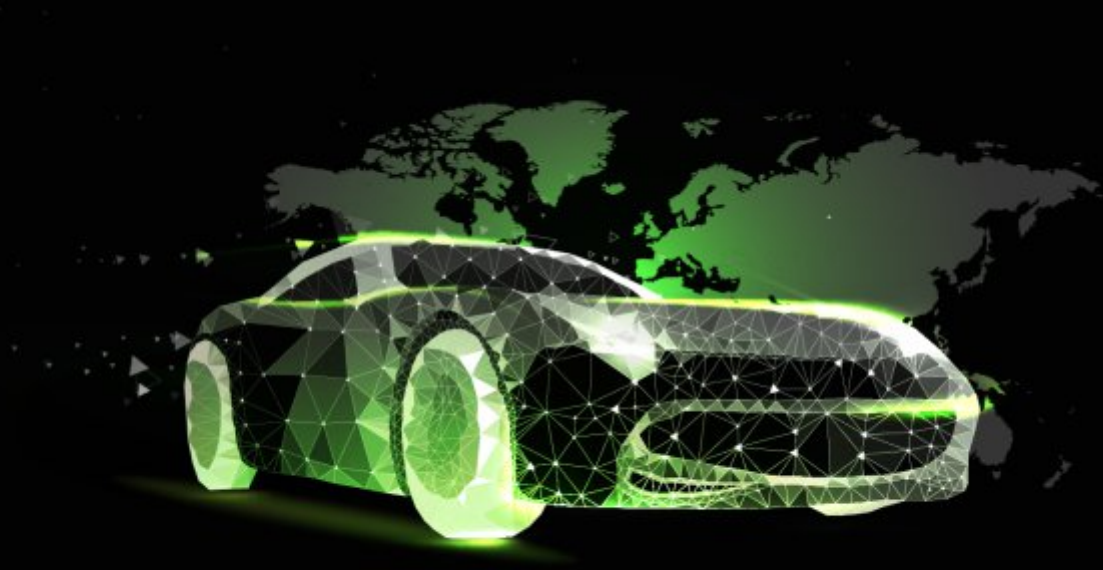
KPIT SPARKLE

Visit sparkle.kpit.com

TO REGISTER AND EMBARK ON YOUR INNOVATION JOURNEY TODAY!

FOLLOW US ON SOCIAL MEDIA FOR UPDATES AND INSPIRATION:

/KPITSparkle

Register now!

JOIN THE CONVERSATION :

#KPITSparkle