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TOYOTA HACKATHON 2025 REPORT

The Toyota Hackathon 2025, organized by Toyota Kirloskar Motors in association with Bal Raksha Bharat, took place on February 13th and 14th, 2025, at the esteemed RV Institute of Technology and Management (RVITM) in Bengaluru. The event aimed to engage students from grades 8 to 12, fostering innovation and problem-solving skills in young minds. The hackathon saw enthusiastic participation from schools across the region, with RVITM students mentoring the participants.

The theme of the hackathon was **Road Safety**, with a focus on leveraging technology to enhance safety measures and awareness on roads. Participants worked on challenges related to accident prevention, traffic management, pedestrian safety, smart mobility, and policy improvement. The event provided a platform for young students to showcase their creativity and technical prowess while addressing real-world problems.

The hackathon commenced with team registrations on February 13th, followed by an inaugural seminar that set the stage for intense brainstorming and collaboration. Each team was assigned a mentor from RVITM to guide them through the ideation, development, and presentation phases of their projects.
Throughout the 24-hour event, participants engaged in rigorous coding, design thinking, and problem-solving sessions to develop their prototypes and presentations. The hackathon was structured into multiple rounds:

- **Round 1:** Teams presented their initial concepts to a panel of judges for evaluation.
- **Round 2 (Final Round):** The top 6 teams from Round 1 advanced to the final round, where they presented refined solutions to a distinguished panel of jurors.

The final round witnessed the esteemed presence of dignitaries, including key officials from Toyota Kirloskar Motors, representatives from Bal Raksha Bharat, and faculty members from RVITM. Their insights and expertise provided valuable guidance to the participants.

The hackathon concluded with an award ceremony, where the best solutions were recognized and rewarded. The winning teams showcased exceptional creativity, technical skills, and problem-solving abilities, contributing to meaningful advancements in road safety and community welfare.

The TOYOTA Hackathon 2025 successfully nurtured young talent and reinforced the importance of collaboration between industry and academia. It served as an excellent learning experience for both participants and mentors, inspiring future innovations in road safety and sustainability. RVITM looks forward to hosting more such initiatives, fostering a culture of creativity and social impact.


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"As a student mentor at the TOYOTA Hackathon 2025, I had the opportunity to work closely with young students who were eager to solve real-world challenges. It was fascinating to see how they approached the theme of road safety with fresh and innovative ideas. Many of them started with broad concepts but, through brainstorming and structured guidance, they were able to narrow down their solutions into practical and impactful projects. My role was to help them refine their thought processes, introduce logical structuring, and provide technical support whenever necessary.

One of the most fulfilling aspects of mentoring was witnessing their growth over the course of 24 hours. The confidence they gained as they transformed their initial ideas into working prototypes was inspiring. From accident prevention mechanisms to AI-driven traffic management systems, their creative thinking exceeded expectations. This experience reinforced my belief that young minds, when given the right direction and encouragement, can contribute significantly to solving global challenges. It was an honor to be part of their journey and to play a role in shaping their problem-solving abilities.

-Pravigya Acharya, Mentor and Student event coordinator(ISE 6th semester)

"Being a mentor at the TOYOTA Hackathon 2025 was an incredibly enriching experience. While my primary responsibility was to guide students in structuring and refining their ideas, I found myself learning just as much from their fresh perspectives. Many of these students had never worked on a hackathon before, yet they adapted quickly to the fast-paced environment. Their determination to build effective solutions for road safety challenges was truly commendable. Helping them break down complex problems into smaller, manageable steps and seeing them grasp new technical concepts was a rewarding process.

The most memorable part of the event was watching the students present their final projects with confidence and passion. Despite the time constraints, they worked tirelessly to perfect their solutions and deliver compelling presentations. Their resilience and ability to think critically under pressure were impressive. This experience not only helped me develop my leadership and mentoring skills but also deepened my appreciation for the power of teamwork and innovation. I am grateful for the opportunity to contribute to such an impactful event and look forward to mentoring more aspiring innovators in the future."

-Neil B Moorthy, Mentor and Student event coordinator(ISE 6th semester)