Transforming Technical Education at Vels University: Rare Minds' Impact Story

Executive Summary

In partnership with Vels University, Rare Minds introduced two transformative programs — Industrial Metaverse and Web Full Stack Development — designed to equip first-year undergraduate students with future-ready technical skills. Through 30 hours of immersive, hands-on training, students developed practical abilities in cutting-edge technologies. The success of the programs was evident through overwhelmingly positive feedback, high student engagement, and Vels University's decision to request advanced versions for the next academic year.

Quick Results Snapshot

- 95% Student Satisfaction (8/10 or higher ratings)
- 90% Students built deployable web applications
- 85% Students reported a 20%+ increase in career confidence
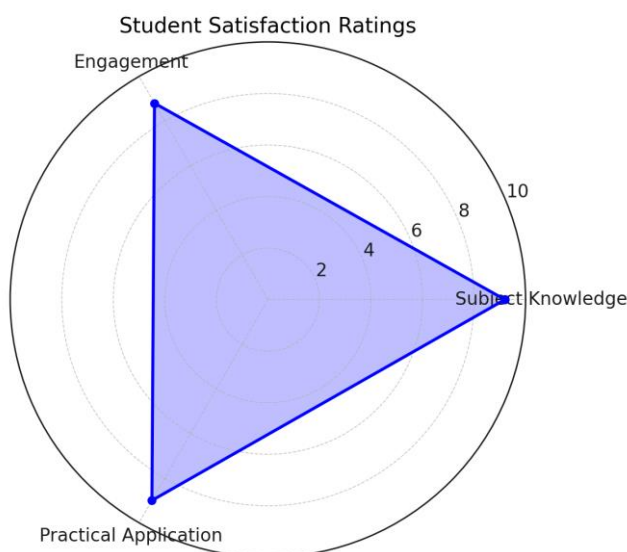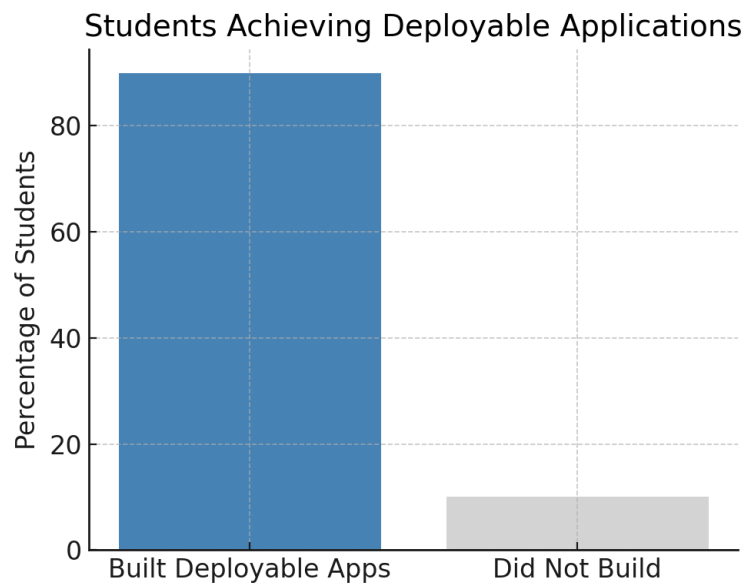- 100% Programs aligned with industry and future ready skills

Figure 2: Students Achieving Deployable Applications
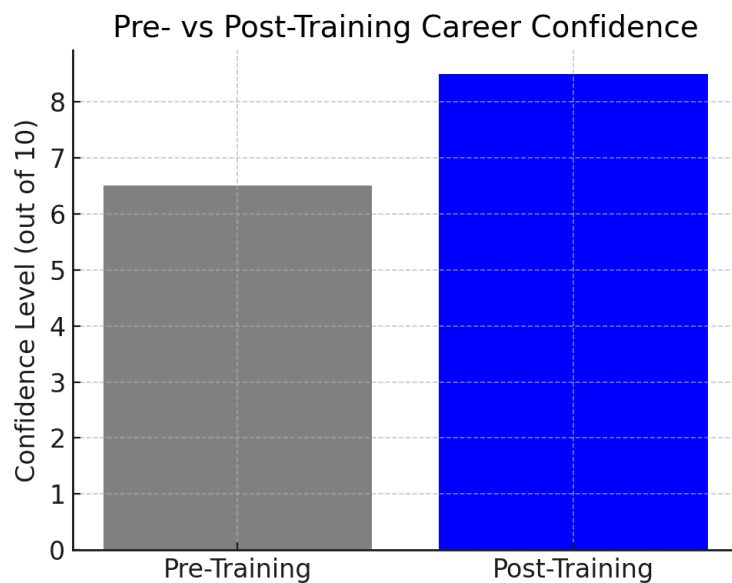

Figure 3: Pre- vs Post-Training Career Confidence

A New Kind of Classroom at Vels

The digital landscape evolves daily, demanding agile, industry-relevant education. Recognizing this, Vels University partnered with

Rare Minds to deliver two impactful programs, shifting from traditional lectures to a dynamic, experiential learning model.

Through a blend of labs, live coding sessions, and Virtual Reality (VR) experiences, students actively explored, built, and innovated. Trainers acted as facilitators, guiding discovery and embedding concepts through real-world case studies and industry scenarios.

Explore Industrial Metaverse at Vels

First-year undergraduates ventured into the Industrial Metaverse, engaging with emerging technologies such as Virtual Reality (VR), Augmented Reality (AR), Digital Twins, Internet of Things (IoT), Blockchain, and Artificial Intelligence (AI). Students worked hands-on with platforms like Unity and NVIDIA Omniverse, moving beyond theoretical learning to building and simulating real-world industrial applications.

Interactive discussions, peer collaboration, and case studies from industry leaders like Siemens enriched the learning experience, fostering practical insight and industry connection.

Discover Web Full Stack Development at Vels

Over 200 enthusiastic BCA students embarked on a journey into full-stack web development, starting from foundational skills (HTML, CSS, JavaScript) and progressing to advanced technologies like React.js, Node.js, and MongoDB.

Students engaged in:

- Writing and styling real-world frontend components
- Connecting backend APIs
- Using MongoDB for data management

- Deploying functional web applications

Through code-along sessions, real-world exercises, and project-building, students actively developed applications using the MERN stack.

Alignment with Institutional Goals

Rare Minds' initiative seamlessly aligns with Vels University's commitment to:

- NAAC and NIRF Parameters: Emphasizing experiential learning and industry collaboration.
- Employability Enhancement: Equipping students with in-demand technical skills that boost placement opportunities.
- Curriculum Modernization: Integrating cutting-edge technologies into undergraduate programs.
- Student Engagement and Retention: Creating vibrant, participatory classrooms that inspire curiosity and innovation.

Student Voices from Vels

"Very easy to understand and very engaging!"

"Helpful for building real-world skills and future job opportunities."

"One of the best learning experiences we've had — hands-on and practical."

"Highly interactive and motivating. I now feel confident to build projects on my own."

Vision for Partnership

Building on the resounding success of the initial programs, Rare Minds envisions a long-term, strategic collaboration with Vels University. Proposed initiatives include:

- Annual skill-bridging programs in emerging technologies
- Hackathons, coding bootcamps, and innovation challenges
- Industry-recognized certifications
- Establishing a Center of Excellence for Emerging Technologies at Vels University

This journey marks the beginning of a sustained effort to nurture the next generation of industry-ready graduates.

Conclusion: Building Futures Together

At Vels University, Rare Minds is not just delivering technical training — it is empowering a generation of innovators, creators, and leaders. Through practical education, deep industry integration, and a future-ready mindset, Rare Minds is proud to be part of Vels University's academic transformation journey.

Ready to Transform Your Institution?

You've seen the impact at Vels.

Are you ready to transform your students' futures and elevate your institution's standing?

Let's Talk.

Partner with Rare Minds to bring cutting-edge, industry-aligned programs to your campus.

Contact us to discuss customized skill development initiatives tailored to your institution's goals.