

GLOBAL SEMESTER

This program culminates in a working prototype, a tangible outcome built through rigorous research, community engagement, and structured mentorship.

React

REAL-WORLD ENGINEERING AND
APPLICATION THROUGH COLLABORATIVE
TRANSFORMATION

Every year, thousands of students travel abroad to earn academic credits through traditional exchange programs. REACT Global Semester offers a different kind of experience. Designed for pre-final and final-year students, it brings participants to India to work on real community challenges, taking them from field observation and research to the development of a functional prototype. Built on REACT (Real World Engineering and Application through Collaborative Transformation), a venture-building methodology successfully implemented at Kumaraguru Institutions, the program transforms learning beyond the classroom by immersing students in real-world problem solving.

The Semester, Week by Week

● Week 1-2 : Immersion

Direct time in a real community, inside one of React's six impact domains: Agriculture and Food Systems, Health and Wellbeing, Environment and Climate, Culture and Creative Economy, Sustainable Communities, and Education and Livelihood.

● Week 3-6 : Definition

Conduct structured research, engage with stakeholders, and build evidence to define the problem. This forms the foundation for every solution that follows.

● Week 7-12 : Build

Develop and refine a proof of concept through hands-on prototyping, supported by access to laboratories, workshops, and continuous user feedback.

● Week 12-16 : Field Attempt

Deploy the prototype within the community, evaluate its impact, and present the outcomes of the semester's work.

This semester is built on REACT's venture building methodology, guiding students through immersion, research, and prototyping. For students who continue into the full two year REACT program, venture registration becomes the exciting next milestone on their journey.

20 Academic Credits

Recognised by partner universities as a full semester course. Final transfer credit is confirmed directly with your home university.

USD 4,450/semester

Tuition, mentorship, lab access, housing, and meals are consolidated into a single program fee. A student visa is arranged separately and directly with the Government of India.

Why Here?

India is one of the world's most dynamic ecosystems for engineering, entrepreneurship, and research. It is home to a growing community of founders, innovators, and researchers creating impact at a scale few places can match. Building here is not just an opportunity. It is an advantage.

At the heart of this ecosystem sits Coimbatore, known as The Manchester of South India, a city built on decades of excellence in manufacturing, textiles, engineering, and innovation. It is also one of India's leading higher education hubs, with a vibrant student community and a welcoming climate throughout the year.

Founded in 1984 by Arutchelvar Dr. N. Mahalingam, Kumaraguru Institutions has grown into one of India's leading institutions. Spread across 280 acres on two campuses in Coimbatore, it offers 24 undergraduate and 16 postgraduate programmes, creating an environment where innovation, entrepreneurship, and real world learning thrive every day.

- You are choosing a place defined by the quality of its
- work. A destination where builders, thinkers, and
- innovators come to create something that lasts.

What You Leave With?

Working prototype

Each solution is developed through a structured research process and subsequently tested and refined in collaboration with the communities

Certificate

A certificate co-issued by Kumaraguru Institutions and our field partner organisations, recognising your specific body of work, accompanied by a faculty mentor reference letter.

Research paper

A documented record of the problem identified and the evidence gathered, developed under the mentorship of REACT faculty.

You Begin as a Learner. You Leave as a Leader.

This semester offers an experience that goes beyond a traditional exchange program. It challenges you to engage with a real-world problem, develop meaningful solutions, and work in an environment beyond your familiar surroundings. All it takes is your willingness to say yes. We will take care of the rest.



Working prototype

Paired with a local student from Day One.



REACT Mentor

Your dedicated point of contact throughout the semester.



Orientation

Introduction to the campus and Coimbatore.



Health Insurance

Guidance before your departure.



Accommodation

Housing arranged before your arrival.



Visa Support

Documentation and local registration guidance.

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The journey begins with curiosity and ends with impact.

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Expression of Interest
is now open.

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