


USF I-Corps Teams: Fall 2024 Cohort




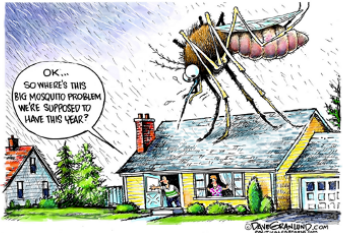
Team 1: Smart Mosquito Trap



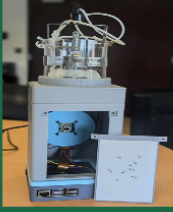
Team #1 – Smart Mosquito Trap



We want to transform the existing global approach to tackling the World's Deadliest





.....using this solution....




A smart mosquito trap powered by AI that autonomously collects mosquitoes, examines their physical characteristics, and delivers instant insights to enhance monitoring and management of mosquito populations


.....with this team.




Dr. Sriram Chellappan, PI




Farhat Binte Azam, EL



Ahsan Wahab, EL



Ramesh Saligamé, M

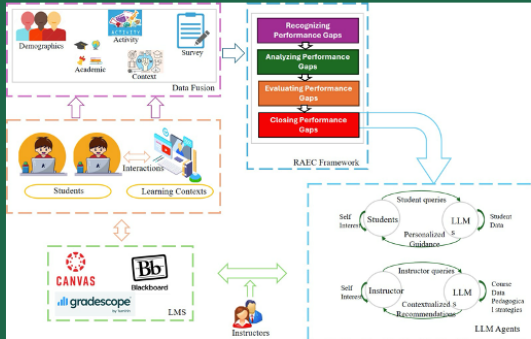


- PI: Sriram Chellapan, Ph.D. / College of Engineering / Tampa
- EL: Ahsan Wahab / USF Student / Tampa
- EL: Farhat Azam / USF Student / Tampa
- M: Ramesh Saligame

Team 2: Project Eq-Math

Eq-Math


An LLM-based platform to Advance Equitable and Personalized Math Learning Experience



Team 2

PI Bo Pei, Ph.D

EL Xiao Li



- PI: Bo Pei, Ph.D. / College of Education
- EL: Xiao Li / USF Student / Tampa

(Key) PI: Principal Investigator EL: Entrepreneurial Lead M: Mentor

Team 3: Sweet paws solutions



USF – I-Corps program Sweet paws solutions – Team #3



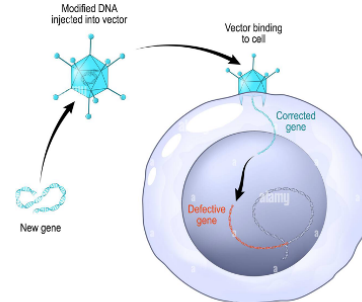
Kevin Nash, PhD
Academic lead
Professor at USF



Aurélie Joly-Amado, PhD
Entrepreneurial lead
Research Associate at USF



Marselina Levis Rabi, BS, CVA
(Certified Veterinarian Assistant)
Entrepreneurial lead
Technical Research assistant at USF



A new solution to treat diabetes in pets through gene therapy.

1

- PI: Kevin Nash, Ph.D. / Morsani College of Medicine / Tampa
- EL: Aurelie Joly-Amado, Ph.D. / USF Research Scientist / Tampa
- EL: Marselina Levis Rabi / USF Student / Tampa

Team 4: Eco-Regen

Eco-Regen
A Novel Energy-Efficient Regenerative Braking System (RBS) for Electric Vehicles
I-Corps Fall 2024
Team #4



Arman Sargolzaei (PI)
USF ME assistant Professor




Hamed Faghihian (EL)
USF ME PhD candidate

- PI: Arman Sargolzaei, Ph.D. / College of Engineering / Tampa
- EL: Hamed Faghihian / USF Student / Tampa

Team 6: WearATech

Team 6

WearATech




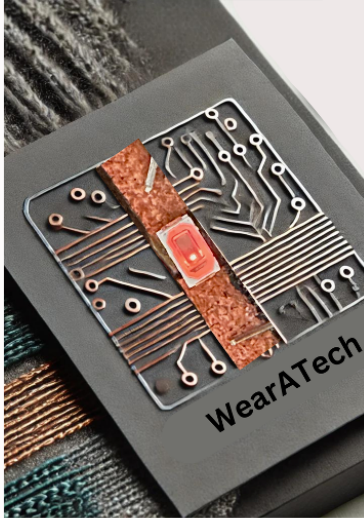
Nirmita Roy
PhD Student
Entrepreneurial Lead

Soujanya Ayaluri
Masters Student
Entrepreneurial Lead

Arash Takshi
Associate Professor
Principal Investigator

Mohan Rao
Research Fellow
Mentor

A sweat-resistant, comfortable, and stable wearable devices for high-intensity sports.



- PI: Arash Takshi, Ph.D. / College of Engineering / Tampa
- EL: Nirmita Roy / USF Student / Tampa
- EL: Soujanya Ayaluri / USF Student / Tampa
- M: Mohan Rao / Community

(Key)

PI: Principal Investigator

EL: Entrepreneurial Lead

M: Mentor