PURDUE UNIVERSITY | Elmore Family School of Electrical and Computer Engineering

purdue.edu/ECE

MASTER'S PROGRAM

PROJECT TRACK

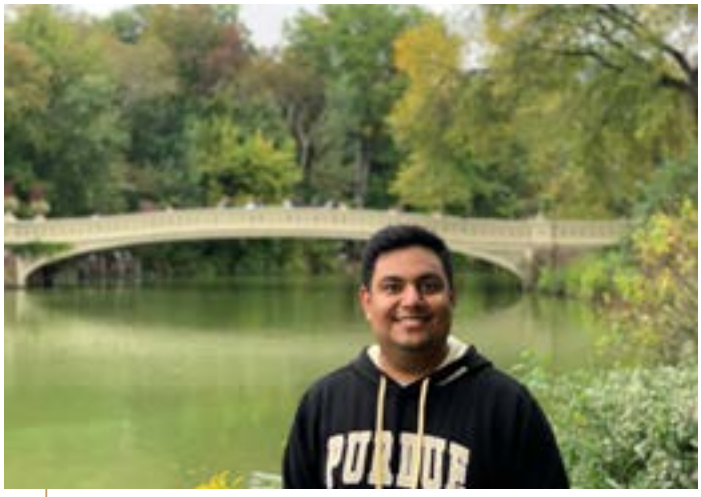
Why the Project Track?

- Gain technical and professional skills through a year-long, intensive design experience
- Learn how innovation really occurs in industry, and apply what you've learned to a real project
- Build your network through interaction with faculty and industry experts

Degree Requirements

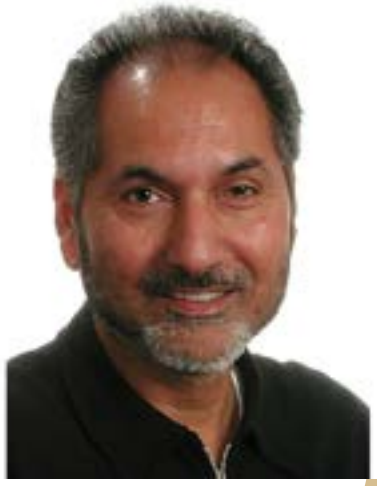
The MSECE requires 30 hours of course-work. Project track students complete the following:

- 9 credits of Ideas to Innovation-specific coursework
- 1 ECE core course (3 credits)
- 1 Math course (3 credits)
- Remaining 13 credits: Technical depth and breadth in the form of ECE coursework or up to 9 credit hours of coursework outside of ECE (ME, CS, etc.)



"The project track helped me develop not only technical knowledge but also teamwork and leadership skills. My favorite part of the program was developing the prototype and seeing our ideas turn into a tangible product!"

Aishwarya Sharma / MSECE, Spring '22



"Engineers need a variety of skills to succeed in industry, including technical depth and breadth, as well as system-level thinking, intellectual property generation, and the ability to respond to trends in society and technology. The project track MS provides an opportunity to develop these skills for the workforce of the future."

Santokh Badesha / Distinguished Professor of Electrical and Computer Engineering; previously Xerox Fellow and Manager Open Innovation

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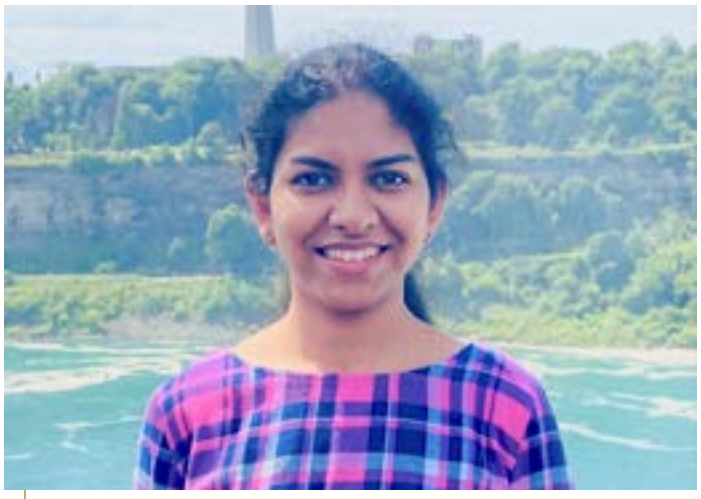
Travel Grants

Project-track students are eligible for grants of up to $1000 to attend a conference or technology expo.

"I recently took advantage of the travel grant program to attend the Consumer Electronics Show 2022 in Las Vegas. I had the opportunity to see the most recent innovations that tech companies around the world are showcasing, including lots of AI, which was very exciting and a valuable experience."

Sean Hwang / MSECE, Spring '22



"I worked on the project 'Early warning system for wildfires using wireless sensor networks' that involves designing a Lora WAN wireless sensor network for early detection of forest fires. The system consists of a set of sensor nodes, which would collect environmental data and send them to the central cluster header. The header would then process the information and predict whether there is a potential threat of a fire at a specific sensor node location. A notification system was designed to alert the user."

Sruthi Rangarajan / MSECE, Spring '22

Learn More

- Detailed degree requirements
- Frequently asked questions
- Hear from our students

EA/EOU