

**AIMS<sup>2</sup> Research Project in Technical Entrepreneurship (Manufacturing Systems  
Engineering and Management Department)**

**Research Duration:** Summer 2019 (June – August 2019) -- Initial face-to-face meetings / lectures/ discussions in early June 2019 and will then continue through August 2019. This research project will involve both face-to-face meetings as well as virtual meetings via ZOOM that will expose the students to working on virtual teams. The average time commitment will be 10-15hrs/week. All virtual meetings will be done via ZOOM and can be recorded and posted online on Google Drive so that students can go back and refer to the meeting recordings later on.

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**Title of Project:** New Product Development and Technical Entrepreneurship

**Goals and Objectives of the Project, Expectations and Outcomes**

The primary goal of this research project is for students to develop an entrepreneurial mindset and understand the new product development process. This includes exploring their creativity, which will become of the top three skills workers will need, as predicted by the World Economic Forum.

As part of this research project, the AIMS2 students will be doing research to understand what an entrepreneurial mindset is in an industry of their choice and how to go about creating that mindset as well as launch new products for startups or within larger existing organizations. This research project will help them develop industry relevant skills which include Opportunity Identification, Developing Customer Awareness, Determining Market Risks and obtaining funding for Engineering Projects to start and operate.

The expected outcome for students working on these research projects is enhanced marketability when they look for an internship or a job and learn the skills that are vital to potential future employers in the 21<sup>st</sup> century. Flexible working hours and the opportunity to work remotely as long as you check in with the professor about your progress on a weekly basis. Weekly meetings

will be done in person and via ZOOM. Students can choose to work independently or in teams and the time commitment will be approximately 15 hours/week.