

Dr. Gandhi's Research Project -- Summer 2016

Duration: Initial face to face meetings in July 2016 and will then continue through August 23, 2016. This research project will involve both face to face meetings as well as virtual meetings that will expose the students to working on virtual teams, which is an absolute necessity in today's workplace. The average duration will be 10-15hrs/week.

For more information, please feel free to contact Dr. Gandhi at Email: sj.gandhi@csun.edu or call at (818) 677-6157

Research Focus: Creation of an Entrepreneurial Mindset among Undergraduate Students

An Entrepreneurial mindset involves creating a competitive advantage for yourself in an increasingly competitive and changing business environment. The expectations for an engineering graduate of 2020 (which is what YOU will be) has changed considerably. Creativity will become one of the top three skills workers will need. The figure below shows the top 10 job skills that the World Economic Forum has predicted will be needed by several professions, including engineers!!!

Top 10 skills

in 2020

1. Complex Problem Solving
2. Critical Thinking
3. Creativity
4. People Management
5. Coordinating with Others
6. Emotional Intelligence
7. Judgment and Decision Making
8. Service Orientation
9. Negotiation
10. Cognitive Flexibility

in 2015

1. Complex Problem Solving
2. Coordinating with Others
3. People Management
4. Critical Thinking
5. Negotiation
6. Quality Control
7. Service Orientation
8. Judgment and Decision Making
9. Active Listening
10. Creativity



Source: Future of Jobs Report, World Economic Forum

As part of this research project, The AMIS2 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. This will include working on the creation of solutions for everyday problems we face through research, critical thinking and creativity. It will also include decision making that will put the students in real life scenarios that would better prepare them to go into the dynamic workplace.