

ISE Teams:

Team 1: Design of Analytics for LexisNexis

Advisor: Dr. Mary Fendley

Diego Hildebrandt, Audrey Malhotra, Marina Worley

Team 2: Process Control Graphical Displays

Advisor: Dr. Subhashini Ganapathy

Fawaz Almutairy, Jeffrey Gerding, David Wood

Team 3: Simulation of Forklift Operations at KTH Welding Floor

Advisor: Dr. Xinhui Zhang

Hussain Ali, Mujtaba Alshaikh, Isaac Hampton

Team 4: Decision Support System to Evaluate Medical Supplies at UC Physicians

Advisor: Dr. Pratik Parikh

Walaa Almutawa, Grace Boothe, Stephanie Martens

Team 5: Decision Support Tool for Order Picking System Selection at TradeGlobal LLC

Advisor: Dr. Pratik Parikh

Carlos De Los Santos, Amin Rababah, William Terrell

BME Teams:

Team 1: Volumetric Visualization (4D) Reach Space

Advisor: Dr. Ping He

Eric Jensen, Ryan Putman, Jonathan Steingass

Team 2: NASA Innovative Conceptual Engineering Design (ICED)

Advisor: Dr. Amy Doll

Rachel Bruce, Ali Kadhim, Ahmad Kamel,
Angelica Zampini

Team 3: LabView Interface and Modeling of Mock Data

Advisors: Dr. David Reynolds, Benjamin Schmitt

Leona Chia, Todd Fischer, Nicolas Loeber,
Zachary Steely

Team 4: The Rogosin Institute Project

Advisor: Dr. Nasser Kashou

Anthony Barnett, Rachael Christopher,
Sameen Khan, Jacqueline Somer

Team 5: Design of an Adaptive Computer Gaming Interface

Advisor: Dr. Amy Doll

Aouatef Chihi, Robert Greenway, Mindy Kenyon,
Betsy Law

Team 6: Suturing Device for Soft Tissue Allografts

Advisor: Dr. Shawn Hunter

Kendall Griffin, Michal Lyzwa, Anna Nock,
Elizabeth Soto

Team 7: Low-Cost Digital X-Ray Image Receptor

Advisor: Dr. Thomas Hangartner

Megan Ater, Mohammed Al Zaindeen,
Travis Goettemoeller, Garrett Moore

Team 8: Spinal Fusion Fixation Device Test Protocol and Analysis

Advisor: Dr. Tarun Goswami

Mikel Larson, Alyssa Piasecki, Stephanie Suhr,
Chelsea Weiss

Team 9: Ergonomic Optimization for KTH Parts Industries Inc.

Advisor: Dr. Chandler Phillips

Zackariah Akilan, Abdulaziz Alzaaqi, Logan Cabral, Allison Colvin, Samuel Nusbaum

Team 10: Force Feedback and Vibrotactile Augmentation with MATB

Advisor: Dr. Chandler Phillips

Jiwook Bang, Ryan Goecke, Panpipat Hongdulaya, Angela James, Tu Pham

Team 11: Imaging Capillary Blood Flow

Advisor: Jennifer Whitestone

Mason Bourbon, Peter Clark, Evan Frantz,
Aaron Madaris

Team 12: ICG Imaging for Target Detection in Minimally Invasive Surgery

Advisor: Dr. Caroline Cao

Molly Gossard, Emily Millar, Akole Mensah,
Luke Wunderlich

Team 13: App to Determine Concussion Risk

Advisor: Dr. Tarun Goswami

Michael Graves, Joseph Kershner,
Andrew Montgomery, Ashlin Stoltz

Team 14: Haptic System for Medical Procedures

Advisor: Dr. Caroline Cao

Yathrab Al Faraj, Ahmed Alqafshat, Zachary Arose,
Marcus Campbell

Team 15: Pneumatic Muscle for Microgravity Exercise

Advisors: Dr. David Reynolds, Dr. Amy Doll

Timothy Dewitt, Jessica Goddard, Caleb Liles,
Morgan Spicer

Team 16: Automated Handwashing Device

Advisor: Dr. Ping He

Daniel Cureton, James Nelson, Aaron Stokes