

ISE Teams:

Team 1: BevilleTrends

Advisor: Dr. Subhashini Ganapathy

Annan Algarni, Housen Alsahhaf, Abdalwahab El Honi, Eisa Shamsah

Team 2: Beville Decision Aids

Advisor: Dr. Mary Fendley

Abdulrahman Alotaibi, Abdulaziz Arim, Kellee Farris, Mohammed Tamim

Team 3: KTH Parts

Advisor: Dr. Xinhui Zhang

Mohammad Abdullah, Abdullah Aldhuhayyan,
Khalid Alsamari, Mohammad Alwaheeb,
Ossman Madowh

Team 4: DMAX Man-Machine Value Added Work Structure

Advisor: Dr. Pratik Parikh

Khalid Alassaf, Abdullah Aljazzaf, Adam Tokarsky,
Ali Zaman

Team 5: BIE Scheduling

Advisor: Dr. Pratik Parikh

Abdulaziz Alhumaid, Ahmad Aljuraisi, Shouq Alnajdy, Mohammed Alotaibi, Ahmed Alowaidi, Tin Le

Team 6: Developing a Tool for BIE Program of Study Creation

Advisor: Dr. Xinhui Zhang

Basim Alghamdi, Natalie Alhashimi, Khalid Almesned, Faisal Alqahtani, Alwaleed Altami, Ali Haji

BME Teams:

Team 1: Endovascular Guidewire Design and Testing Models

Advisor: Dr. Caroline Cao

Brittanie Koerper, Ashley Mohler, John Ware, Kaylea Whitt

Team 2: Kinect System Body Scanner

Advisor: Dr. Ping He

Meshary Alghobain, Mazen Aljehani, Ali Alqarni, Ibrahim Alshadi

Team 3: Quantification of Wounds

Advisors: Jennifer Whitestone

Mahir Alawi, Mustafa Alnofaily, Abdulrhaman Altowyan, Michael Voelker

Team 4: Adaptive Hand Goniometer

Advisor: Dr. Jeff Hudson

Alexandra Heironimus, Garrett Norton, Tyler Starman, Joshua Schoeff

Team 5: Determination of Cranial Compliance

Advisor: Dr. Tarun Goswami

Eleni Cooper, Cody Eakes, Romicha Jeter, Dakota Kuhn

Team 6: Design and Development of a 3D Printed Prosthetic Foot

Advisor: Dr. Tarun Goswami

Mark Cargill, Bridget Fricke, Paul Ley, Daniel Rapking, Christen Wendel

Team 7: Arduino Controlled Neonatal Incubator

Advisor: Dr. Nasser Kashou

Tate Church, Ryan Gabbard, Nathan Pinion, Gurwinder Singh

Team 8: Hybrid Solar Infant Incubator

Advisor: Ronald Butcher

Sultan Alsulmi, Meshal Alsaheed, Abdulaziz Alzahrani, Faisal Alraqibah

Team 12: Pediatric Chewing and Swallowing Device

Advisor: Dr. Joe Tritschler

Kaylee Eakins, Charles Harding, Cassondra Wallwey, Brittany Woods

Team 9: Low Cost Digital X-Ray Image Receptor

Advisor: Dr. Jason Parker

Kaitlyn Danner, Phillip Nolasco, Christopher Nguyen, Jennifer Van Tilburg

Team 10: Tracking Mock Ventricular Dynamics during DMVA Cardiac Support

Advisor: Mr. Ben Schmitt

Richard Day, Matt Engel, Abdullah Nafea, Zibie Nyiramajyambere

Team 11: Manufacturing of Artificial Cerebral Aneurysms

Advisor: Dr. Zifeng Yang

Olivia Ashworth, Katrina Catledge, Bryce Laycock, Jordan Yaney

Team 12: Multi-Sensory Medication Dispenser

Advisor: Dr. Jaime Ramirez-Vick

Natalie Bickley, Muhammed Hamdan, Michaela Schwing, Stephanie Tesner

Team 13: Robust Ambulatory EEG Headset

Advisor: Dr. Michael Wisend

Diana Armstrong, Jacob Carr, Andrew Hesketh, Cyril Takem Baiyee

Team 14: Mass Casualty Telemetry System

Advisor: Dr. Julie Skipper

Skyler Hannebaum, Michael Rybak, Charles Simmons, Joe Salame

Team 15: Low Cost In-Home Robotic Assistant

Advisors: Dr. Julie Skipper

Shahd Almazroue, Daniel Cureton, Nour Hanandeh, Mark Taylor

Team 16: Designing and Manufacturing a Smart Headband for Low Vision People

Advisor: Dr. Julie Skipper

Reem Almy, Chelsea Mummert, Selena Nguyen, Thao Nguyen