The Institution of Mechanical Engineers (IMechE) invites you to participate in the Railway Challenge.

The Railway Challenge provides a brilliant opportunity for aspiring university students, apprentices and graduates working in industry to compete in a demanding challenge, showcasing design, technical and business skills in a live-test environment.

Participants are required to design and manufacture a miniature (10¼” gauge) railway locomotive in accordance with a set of strict rules and a detailed technical specification.

Why participate?
- Gain practical hands on experience
- Develop and demonstrate technical, engineering design and manufacturing skills
- Learn and practice key soft skills such as team-working, time management, project management, budgeting and public speaking
- Develop connections and network with like-minded students, apprentices and young professionals
- Network with potential future employers

Locomotives will be tested live at the competition weekend in June at Stapleford Miniature Railway in Leicestershire.

2018 Railway Challenge Participant

I liked the fact that it’s a full project compressed into 6 months. It encompasses design, analysis, prototyping, building and testing all into one project in a relatively short period of time. As an electrical engineer, it was also great to have the collaboration between mechanical and electrical engineers on the same project. I really enjoyed the atmosphere at the competition too, everyone was so friendly and always willing to help each other. Perhaps most importantly, I made some great friends along the way (both in my team, and from other teams)

For more information visit our social pages #imecherailwaychallenge
or email us at: railwaychallenge@imeche.org

Registration for the 2021 competition opens in October 2020.