

ENGINEERING FOR PEOPLE

DESIGN CHALLENGE



Take part in an award winning initiative that gives your students the engineering skills they need to address global issues.

Society and employers want the next generation of engineers to have an understanding of community involvement, ethical practice and sustainable development. The Engineering for People Design Challenge introduces these concepts and develops undergraduate students through an innovative application of the engineering design cycle.

This programme from Engineers Without Borders UK gives us the opportunity to create rich, meaningful learning experiences for our students.

Elizabeth Hauke

Senior Teaching Fellow
Imperial College London



UK

ENGINEERS

WITHOUT BORDERS

Engineering plays a pivotal role in everyday life and underpins our response to the global challenges of the 21st century. For a sustainable future engineers everywhere need to apply a globally responsible mindset and invest their skills and talent in engineering that benefits us all.

The Engineering for People Design Challenge prepares your students, the engineers of the future, to become globally responsible engineers. Through working on real world issues and putting people at the forefront of engineering design, your first or second year students will demonstrate how they understand context, identify engineering issues, and justify their recommended design ideas. Delivered as part of the undergraduate curriculum, the initiative contributes to

the Engineering Council requirements for students on accredited degrees to demonstrate understanding of the design process and have a broad awareness of the economic, legal, social, ethical and environmental context of engineering activity.

In 2015 -16, the Engineering for People Design Challenge was delivered to more than 4,600 students at 26 universities across the UK and Ireland.



The Challenge helped improve my interpersonal skills and made me more confident in working both independently and as part of a team. The most important thing for me was discovering the human element of engineering. The Challenge made me aware of how engineers can interact and engage with people, and made me consider our responsibility to them.

Tsanko Dimou

Mechanical Engineer, Arup
Engineering for People Design Challenge
Participant 2013

KEY FEATURES



A design brief developed with one of our partners based on real issues in their community.



Open to students from any engineering discipline as the brief covers a range of issues.



Access to an online portal that includes fact sheets, datasets, photos, videos and a managed discussion forum.



A lecture or workshop to your students that brings the design brief to life.



Entry to the Engineering for People Design Challenge National Competition.

HOW TO PARTICIPATE

Participating is really simple, you can run the Engineering for People Design Challenge in an existing first or second year module or do something completely new, the choice is yours. Most of our participating universities deliver the Engineering for People Design Challenge in an existing team design module and replace their old brief with our new, exciting one. We are always on hand to support you and guide you through the process. Simply give us a call or send us an email and we can answer any questions.



CONTACT

To find out more please get in touch with us.

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Email: challenge@ewb-uk.org

Website: www.engineering-for-people.org

ABOUT ENGINEERS WITHOUT BORDERS UK

Engineering is vital for human development and key to addressing urgent global issues such as the effects of climate change, resource depletion, increasing urbanisation and rapid population growth.

Engineers Without Borders UK works to change how engineering is perceived, taught and practiced so that we are able to bring people, ideas and engineering together to respond to the world's most pressing problems. We work with individuals, local partners, the education sector and the engineering community in the UK sub-Saharan Africa, southern Asia and Latin America. Together, we can ensure people everywhere have equal access to the benefits of engineering.

www.ewb-uk.org



The Engineering for People Design
Challenge is endorsed by:



WE'RE A 2016 NESTA NEW RADICALS AWARD WINNER

