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TRY Engineering® ON CAMPUS

IEEE

Pre-University Education Coordinating Committee

Mission

We foster educational outreach to pre-university students around the globe by supporting teachers and IEEE volunteers with the tools for engaging activities and measurable outcomes.

Vision

IEEE and the world will look to PECC's leadership and insight in bringing youth to the global technical community.

Core Values

- Global Community Building
- Service to Youth
- Diversity and Inclusion
- Excellence
- Innovation and Discovery
- Empowerment

IEEE

Why?

School-aged children who pursue a career in engineering and/or technology develop “Engineering Habits of Mind” and special soft skills such as resilience to failure, critical thinking and many more. Those habits of mind introduce them to a continuous self-improvement process that leads to a better version of themselves ensuring an enhanced quality of life for them, while at the same time, those soft skills make them essential to contemporary society and effective in shaping a brighter future for the world.

Pre-University Education Coordination Committee (PECC) actively seeks out individuals and organizations who work with school-aged children and share this noble objective, namely to encourage those children to pursue a career in engineering and technology which may eventually help them ensure an elevated standard of living for themselves and better prospects for a more promising future for the society.

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https://youtu.be/AuM_CiPa6e4

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What is TryEngineering On Campus?

- Business proposal for Universities that are willing to partner with IEEE to hold camps for school-aged children
- Only summer camps? NO! When it is more convenient for students and teachers in your country.
- Duration and program can vary depending on your needs and culture
- Is there funding? Maybe.
- Is there a licencing fee? Not for the first year.
- Do participants need to pay a fee? We suggest that they do because:
  - participants who pay are more likely to attend
  - when participants pay for the program, there is an expectation of a high-quality program

TryEngineering and the PreUniversity Coordinating Committee will

- Meet with you and your team to give you an overview of the program
- Provide you with a template for a project plan and budget
- Consult with you about curriculum, pedagogy and training
- Assist you in promoting your event
- Include your results in TryEngineering's end of year reporting
- Consult with you as questions come up during your planning

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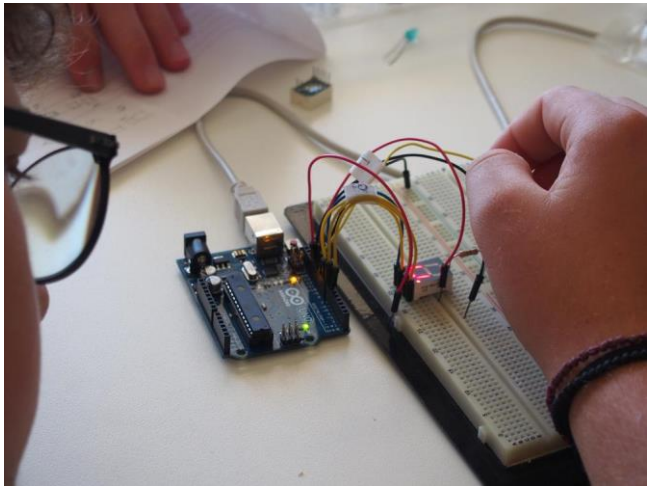
TryEngineering On Campus and IEEE

- Introduces IEEE members at universities to high quality materials and programs
- Introduces teachers to the Engineering Design Process and a hands-on approach to learning, which they bring back to their classrooms
- Introduces a diverse population of students to explore engineering as a possible career



TryEngineering On Campus - Pilot

- University of Ioannina (Arta, Greece)
  - 40 students
  - 20 volunteer educators
  - Participation fee: 100 euro
  - 3 university professors became IEEE members
  - 21 students became IEEE student members and formed a new student branch

TryEngineering On Campus - Pilot

Hong Kong Section @ City University

- 38 students from 18 schools
- Participation fee: 170 USD
- University professors collaborated with university students to mentor high school students during the event

https://www.youtube.com/watch?v=7daUpQzaR6w

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Looking to inspire the next generation of engineers?
Partner with TryEngineering to bring hands-on engineering experiences and global networking opportunities for school-aged children to your university.
SCAN THE QR CODE TO LEARN MORE
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Thank you!

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