Why International Virtual Internship?
Virtual Internships

- International work experience from the comfort of your own home
- Supervision and support virtually
- Similarities to a traditional in-person internship
  - Meetings with supervisor or teammates
  - Mix of individual and group projects
- More flexibility in:
  - Working hours
  - Project timelines
  - Connections with team
  - Ability to do it while taking classes
Global Competencies

- Cultivate a global network of peers and mentors
- Develop intercultural communication skills
- Gain insight into the international field of engineering
- Learn about the interconnectedness of engineering challenges and solutions in a global society
- Enhance your resume with critical skills such as professional development, leadership, teamwork, and innovation
Challenges

- Requires strong motivation and self-discipline
- Working across different time zones
- Not seeing your supervisors/mentors and colleagues face-to-face
- Not traveling abroad
Opportunities for Growth

- Challenge yourself to work virtually
  - National Association of Colleges and Employers (NACE) reports that 83% of employers are moving interns to virtual program (4/30 data)

- Work with team of international colleagues and learn about different cultures

- Learn innovative methods of communication and engagement
Academic Credits

- Register for credits through UF
  - 1-3 UF credits for EGN 4949 Engineering Internship
  - Pay UF tuition

- Register for credits through provider/host institution
  - 1-3 transfer credits
  - Complete transient form: [https://registrar.ufl.edu/pdf/transient.pdf](https://registrar.ufl.edu/pdf/transient.pdf)
  - Pay provider/host institution tuition

- No credit registration
<table>
<thead>
<tr>
<th>Provider</th>
<th>Learn International</th>
<th>Campusb</th>
<th>Authentica</th>
<th>Technion</th>
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</thead>
<tbody>
<tr>
<td>Dates</td>
<td>Flexible dates 8+ weeks</td>
<td>June 15 - August 14 9 weeks</td>
<td>25 May/8 June/22 June 6-12 weeks</td>
<td>June – August 8-10 weeks</td>
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<td>Format</td>
<td>Solo or team projects</td>
<td>Team-based consulting projects</td>
<td>Startups, SMEs &amp; NGOs (and some large companies)</td>
<td>Start-up companies in the technological hub of Israel</td>
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<td></td>
<td>Remote support and</td>
<td>(3-5 students per team), personal</td>
<td>• Many working on UN SDGs</td>
<td>Supervised by Technion faculty</td>
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<td></td>
<td>mentoring</td>
<td>development, virtual cultural</td>
<td>• From Asia, Central Europe, Australia</td>
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<td>Cultural highlights, guest</td>
<td>learning</td>
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<td>lectures and virtual</td>
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<td>Certificate of completion</td>
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<td>Alumni network</td>
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<td>Fees</td>
<td>Application fee: €95</td>
<td>Application fee: $200 by June 3rd</td>
<td>Deposit: $500 (refundable if no placement found)</td>
<td>Application fee: $60</td>
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<td>Program fee: €1495</td>
<td>Program fee: $980 (by May 27th)</td>
<td>Program fee: $1295</td>
<td>Program fee: $1200</td>
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<td>$1080 regular</td>
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<tr>
<td>Application deadline</td>
<td>Rolling deadline</td>
<td>June 3rd</td>
<td>Rolling admission (3 weeks for placement)</td>
<td>May 21st</td>
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<td>Credits</td>
<td>1-3 UF Credits</td>
<td>3 transfer credits</td>
<td>1-3 UF credits</td>
<td>3 transfer credits</td>
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Learn International

Seeking immediately:

**Interests:** Programming, technology, human interface design

**Competencies:** Data mining and management; designing a research experiment managing expenses

**Application:**
https://learninternational.ie/programs/virtual-internships/
International Engineering Programs

Authentica

Sample Project: Mechanical / Material Science Engineering

Project: Design a 6-seater electric vehicle for short distance commutes

Problem / Opportunity
The company is developing a 6-seater open electric vehicle with architecture similar to that of a golf cart. India's public sector needs vehicles that have a very rugged and durable construction.

This project aims to design a 6 seater electric vehicle which would be used for daily short distance commutes at airports, railway stations, zoos, etc.

Project High Level Activities
1) Select appropriate power train for the vehicle
2) Design chassis layout to optimize cost, strength and durability
3) Select / design suitable suspension concepts
4) Modeling/simulation of various conditions to test chassis and suspension performance

Expected Outcomes
1) Power requirement optimization
2) Chassis layout that is low-cost, light and strong
3) Suspension geometry layout for prototyping

Sample Project: Bio-Medical / Chemical Engineering

Project: Benchmarking study for waste incinerator with inbuilt scrubbing system

Problem / Opportunity
The Covid-19 pandemic has put a lot of load on the hospitals that is giving rise to tons of medical and quarantine waste everyday. Disposing this waste in an appropriate way is crucial to ensure proper sanitation. To handle this, the company has developed a compact and portable medical waste incinerator with an inbuilt emission scrubbing system that can dispose 100 kgs of waste per day and is suitable for hospitals to install and dispose medical waste without needing any transportation. This project will study the performance of this machine and benchmark it against other alternative solutions that are being availed for disposal of hospital waste.

Project High Level Activities
1. Research other solutions available for disposing hospital waste and calculate costs, benefits and environmental performance
2. Benchmark the company’s product against the above research and compare environmental performance with reference to international standards

Expected Outcomes
Research report on the efficacy and environmental performance of waste incinerator product

Sample Project: Sustainability and Environmental Engineering

Project: Develop a plastic offsetting model

Problem / Opportunity
Plastic pollution is a grave threat to our environment, with low-value plastic causing particular challenges due non-recycling. However, recent Plastic-Offset mechanisms have allowed organizations to measure the plastic footprint of people and corporates and offset them against interventions. These interventions not only keep low-value plastics from becoming garbage but also create livelihoods in the process. This research project studies various plastic offset models across the world and recommends a design suitable for developing economies like India.

Project High Level Activities
- Research various Plastic Offset models
- Explore and compare them with Carbon offsetting models
- Design and develop a Plastic Offset model relevant to developing economies like India
- Validate the model in discussion with corporates
- Virtually Pilot the Plastic Offset model

Expected Outcomes
Design and test a Plastic Offset model for developing economies like India

Application: https://www.internships.authentica.com
Technion International

ApogeeNow
Water deionization for you, agriculture, industry, and more.

SigmaLabs Accelerator
We help early-stage startups grow & build better companies

Application: https://regint.technion.ac.il/
Next Steps

1. Check out www.eng.ufl.edu/international
3. Discuss best program for your major and interest
4. Decide if you want to receive academic credits
5. Discuss financial aid availabilities