

Mentorship and Opportunity: The Impact of Winning Pearson Engineering's Innovation Award

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Over the years, Pearson Engineering has set a standard for quality and innovation that resonates across the industry. This heritage is not only about our products but also about the culture of collaboration, curiosity and creativity we cultivate within our teams and the broader engineering community. Innovation runs through everything we do and each person who works here. We value new ideas, invest in emerging technology and more importantly our people, empowering them to push boundaries and think differently.

Pearson Engineering's innovation award is a shining example of this, a unique programme which opens up opportunities for individuals to join Pearson Engineering on a three-month paid engineering internship and receive mentorship from our highly skilled engineers.

The award aims to encourage innovative thinking and support the development of engineering ideas with practical impact, particularly those that contribute to sustainability, community benefit, and defence-related challenges. Candidates are invited to develop and pitch an engineering innovation concept along with market research that shows how the idea delivers environmental, social, or user benefits.

One of our recent interns, Kavish, joined Pearson Engineering in the summer of 2024 to design, build and test his prototype which was based on an anti-tremor device to support veterans suffering from conditions like Parkinson's, Essential Tremor, and other degenerative diseases which can affect motor ability. In this case study we discuss with Kavish, his innovation and his time at Pearson Engineering.



What made you apply for the Pearson Engineering Innovation Award?

I was attracted at how different this internship was in comparison to all of the other companies who were at the careers fair at my university. I looked at other opportunities during the university fair but none of them appealed to me as much as the innovation award. My initial thoughts were that I could gain a lot of experience and real-working skills from this award.

How did you come across your innovation?

From looking at the requirements on the application, I linked how my innovation could support defence-related challenges, I started to research into veterans health once they are no longer in the Armed Forces. From my research I found that it can be common for veterans to suffer from essential tremor and Parkinson's Disease. This interested me as I feel I can relate; after intense exercise, I sometimes get a small tremor. I was excited to bring this idea to life.

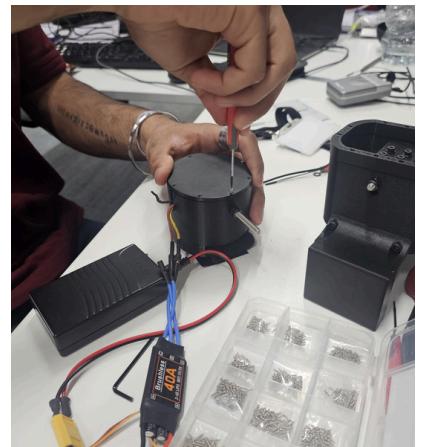
What was your innovation and how will it benefit a user?

My innovation uses gyroscopic stabilisation to prevent those veterans from having a tremor because the point of a gyroscope is to stabilise an object, in this case, a hand. This will allow veterans to feel comfortable in situations where they may usually avoid as they will be able to control their tremor. The device can be worn both indoors and outdoors, although further designs will need to be developed to make the device more compact for outdoor use. A look into the future and linking this back to my personal experiences as mentioned above, this device will also benefit sports people after intense sports sessions.

How much support did you receive during your internship?

During my internship I received a lot of support from people and the company. I was working within the R&D team and on my first day we all went climbing so I could get to know the team. After this, I had a mentor throughout my time here who supported me in my ideas and designs.

I also had a budget to bring my innovation to life which helped me to order parts for my device. This greatly helped and made my time at Pearson Engineering feel worthy as this is something I'd need in a real working environment to test future ideas, so for the company to support me in this way, really made me feel like part of the team.



What have you enjoyed the most about your time at Pearson Engineering?

I have enjoyed having complete freedom over my work. I think it's a rare experience to get during an internship, so being able to show that I've done that in industry is pretty impressive I'd say. Although there was a structured plan in place to complete over the 12 weeks, I was hitting some targets earlier so I could concentrate more on other areas of developing my skills, such as CAD, and my innovation. I also really enjoyed working across teams. I spent some time with the marketing team to understand my competitors, how I would market my device (price, promotion etc...) and what channels I would use to promote my innovation.

Finally, would you recommend Pearson Engineering as an employer?

Yes I would 100% recommend Pearson Engineering as a company to work for. I'm really grateful for this opportunity and during my time here it hasn't felt like work at all. Some days I would be here until 6pm off my own accord as I have thoroughly enjoyed working on my innovation. Everyone I have met during my 3 months here has been very helpful and friendly sharing their expertise to help me develop my own skills. The culture at Pearson Engineering is something I'd be strongly looking for when I graduate from university and I hope there is an opportunity for me when that time comes.

