

**ESPA**

New Product Design Engineering Internship (ITEDE0511)

Apply here

Start date

Flexible within the next three months

Duration

6 months

Languages

Good spoken and written English levels are required (B2 onwards)

Location

Chepstow, Wales

Springing up around the Norman castle built at a strategic point overlooking the River Wye, [Chepstow](#) was a major medieval powerhouse. Nowadays, it's a lively town that combines the best of ancient and modern. Situated on the English-Welsh border you can easily get to both the lively cities of [Bristol](#) and [Cardiff](#) for shopping and nightlife. For outdoor types there are a plethora of beautiful countryside walks and if you love water sports then a visit to [NDAC](#) is a must. Whatever your tastes, you won't get bored here!

Are you eligible?

Are you a registered student?

Or

Are you eligible to participate in the Erasmus+ programme?

Benefits

See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

Role

This is a fantastic opportunity for an enthusiastic, proactive individual to gain practical design experience within a dynamic team of engineers who blend creative and technical expertise to develop new products from a design concept right through to production. Mentored throughout, you will assist with the development of new products across an array of market sectors; previous projects have included in vitro medical devices, wearable technologies, plastic moulded electronic enclosures and 3D printed prosthetics. For the selected candidate this is a great placement to showcase your design skills and creativity across several different projects.

Tasks

- Undertake technical research to help inform new product development
- Produce hand/digital sketched images to help communicate design ideas
- Create 3D CAD models, assemblies and engineering drawings using Fusion360
- Produce 3D printed products in order to validate and communicate design ideas
- Liaise with internal design team, as well as external customers and suppliers

Desired Skills

- Working towards a degree in Product Design, Engineering Design, Mechanical Engineering or similar
- Excellent working knowledge of Fusion 360, or similar 3D CAD systems
- Excellent working knowledge of Ultimaker and/or FormLabs machines or similar FDM (Fused Deposition Modelling) or SLA (Stereolithography apparatus)
- Knowledge of Arduino, C++, Bluetooth, Mobile App Development
- Good report writing skills and/or verbal communication
- Free-thinking, proactive and creative
- Work to both instruction and on own initiative
- High level of energy, drive, enthusiasm and commitment

The Host Company

The innovative host company focuses on working with small businesses and established organisations to help them develop new products from an idea right through to production. What makes this company unique is their specialist knowledge of Rapid Product Development enabling customers to be "first to market" with their products, focusing on removing many of the barriers that prevent new product launches. They are also working on a range of their own products for the dental sector and now seeking enthusiastic individuals to help take them to the next level.