Research Centre  CASTeL at DCU

Post Title  STEM Teacher Internship Programme Manager

Post-duration  FTC up to Dec 2021

Background
Dublin City University (www.dcu.ie) is a research intensive, globally engaged, dynamic institution which has developed its own research specialists, established internationally recognized centres of excellence that have substantive collaborative links with leading universities and industrial partners. DCU is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation DCU acts as an agent of social, cultural and economic progress. DCU is Ireland’s fastest growing university and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick’s Campus and CU All hallows campus. DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework Programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which to advance your academic career.

CASTeL (www.castel.ie) at DCU is Ireland’s largest research centre in Science, Technology, Engineering, and Mathematics (STEM) education. CASTeL’s mission is to support the development of STEM learners from an early age, and so enhance the scientific, mathematical and technological capacity of Irish society. For almost two decades, CASTeL has made significant contributions in the field of STEM education both nationally and internationally. Through evidence-based research, CASTeL is leading and advising on the development of innovative and effective curriculum, teaching and learning in STEM education across the continuum from early childhood to postgraduate level. Moreover, CASTeL is uniquely placed to provide interdisciplinary research because of its diverse range of expertise within
STEM education disciplines (Mathematics, Science, Biology, Chemistry, Physics, Engineering, Digital Learning and Technology).

Role & Function
The aims of the STEM Teacher Internship (STInt) programme ([http://castel.ie/stem-teacher-internships/](http://castel.ie/stem-teacher-internships/)) is to help to form and inform teaching and learning practice, provide role models and inspire future generations of students (particularly girls) to enhance their knowledge of STEM/careers and foster sustainable school-industry collaborations. These aims will be achieved through facilitating STEM internships for preservice and in-service teachers of STEM subjects, both at primary and second level across Ireland. Many studies have shown that teachers are significant influencers on a student’s career choice. The STInt programme provides opportunities for teachers to complete paid summer STEM Internships (12 weeks) and apply their STEM knowledge and skills in an industrial context. This placement allows teachers to acquire first-hand experience of the roles and careers of STEM professionals and thus gain a deeper understanding of the applications and impacts of STEM in authentic real world settings.

This programme has evolved from a pilot that began as a collaboration between CASTeL at DCU, the 30% Club and Accenture in 2016 and has now grown to become a National STEM Teacher Internship programme that include partnership with twenty nine host organisations – Abbvie, Accenture, AIB, Alexion, Allergan, Astellas, Bank of Ireland, Citibank, Deloitte, Ericsson, Gas Networks, Ervia – Irish Water, EY, Fidelity International, Fidelity Investments, GE, HPE, IBM, Intel, Mallinckrodt, Microsoft, MSD, PWC, SSE Airtricity, Stryker, Takeda, Virgin Media, Vodafone and Xilinx.

Applications for the position of Programme Manager with a proven track record and expertise in programme management in academic and/or industry, are now invited. The successful candidate will play a key role in coordinating collaboration and communication between academic and industry partners, recruitment and placement of STInt Interns and the establishment of programme procedures and guidelines for national implementation. In particular, the successful candidate will be expected to increase the number of internship placements available annually and initiate new companies into the programme.

Principle Duties and Responsibilities
Reporting to DCU Academic Coordinators, Associate professor Eilish McLoughlin and Professor Deirdre Butler, the STEM Internship Project Manager will focus on coordinating STInt Internship placements
in 2021 and 2022 across a wide selection of companies and ensuring the national expansion of this programme.

The main duties and responsibilities of this role include but are not limited to:

- Grow the programme to reach 2021 target of 50 placements and 2022 target of 75 placements
- Increase the number of placements on offer within existing companies
- Coordinate with Programme Coordinators and Advisory Board members to lead the strategic direction of the programme
- Onboard a range of new companies across Ireland to provide suitable STEM experiences for interns
- Facilitate additional universities with teacher education programmes to participate in the programme
- Manage process to acquire formal accreditation for the programme within each participating university
- Update and maintain programme website to highlight the opportunities and achievements of the programme
- Develop guidelines for new participating organisations and STInt Interns
- Engage with STInt Interns to record their experiences, feedback and testimonials
- Engage with funding agencies to identify and pursue opportunities for continual funding

**Qualifications, Skills and Experience Required**

Applicants must hold a minimum of a primary degree or equivalent in a relevant area, in addition to 3 years and relevant expertise in programme management in academic and/or industry:

- A proven track record of effective growth of a programme from small to mid-scale
- Excellent interpersonal and communication skills both written and verbal, including negotiation skills
- An ability to work effectively- unsupervised, individually as part of or leading a team
- Proven record of Implementation
- Qualitative and quantitative data analysis skills
- Experience with IT tools relevant to various aspects of the role
Candidates will ideally have:

- Experience of building and maintaining academic-industry partnerships
- Experience of working in an educational setting
- Familiarity with the issues facing STEM pipelines for future technology job roles

**Mandatory Training**

The post holder will be required to undertake the following mandatory compliance training:

Orientation, Health and Safety, Research Integrity and Intellectual Property and Data Protection training. Other training may need to be undertaken when required.