

Summer Undergraduate Research Programme 2021

Project Number & Title:	<p>Project 14</p> <p>Novel Data Visualisation Techniques</p>
Project Details	<p>An increasing number of individuals are making use of wearable activity trackers, connected-health monitors, and ambient sensing devices to gain insight into their health, sleep patterns, and other daily activities. Data generated by these devices can be complex and dense. Traditional methods for visualising these data sets (charts, lists, or other graphical data representations) primarily target scientific users and are frequently inaccessible to device end-users. An applicant is sought to investigate novel visualisation techniques that have been previously employed to simplify comprehension of, or otherwise digest, complex data sets for end-user consumption. The successful applicant will be expected to produce a report on findings or observations for techniques which are specifically targeted toward older users, users with limited digital literacy, or users with cognitive impairment. The successful applicant will prototype a novel visualisation technique which may be incorporated into future works by NetwellCASALA.</p>

Profile of Candidate	Applications are sought from students completing the 2 nd , 3 rd , or 4 th year of a computing (or related discipline) degree in DkIT. No prior experience is necessary, but an interest in data analysis, human computer interaction, or universal design is essential.
Project Supervisors	Shane Gavin, Michael Wilson All enquiries to shane.gavin@dkit.ie
Duration	6 weeks
Number of Positions Available	1
Amount Awarded (per candidate)	Weekly stipend of €150 (tax free)
How to Apply	Each applicant should submit the following documents by email to mary.matthews@dkit.ie : <ul style="list-style-type: none"> • CV including academic transcripts • A 300 word statement as to why you are a suitable candidate for this project.

	<p>Please state clearly in the subject line of your covering email the abstract title and project reference number.</p> <p><i>An applicant may apply for more than one programme, but each application must be made separately.</i></p>
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