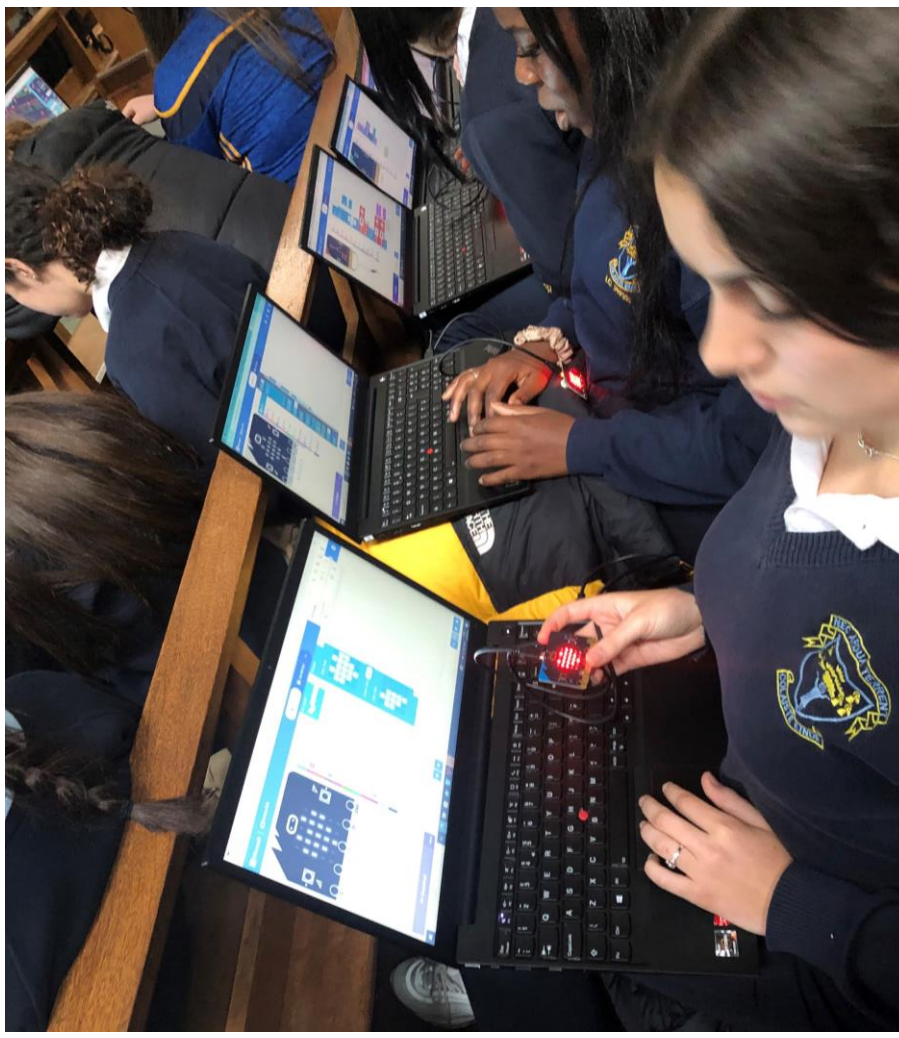


# CodePlus – Coding for Girls

Clare McInerney, Brian Harkin, Brendan Tangney, Jennifer Murphy, Cornelia Connolly, Sally McHugh

## 1 PROBLEM STATEMENT:

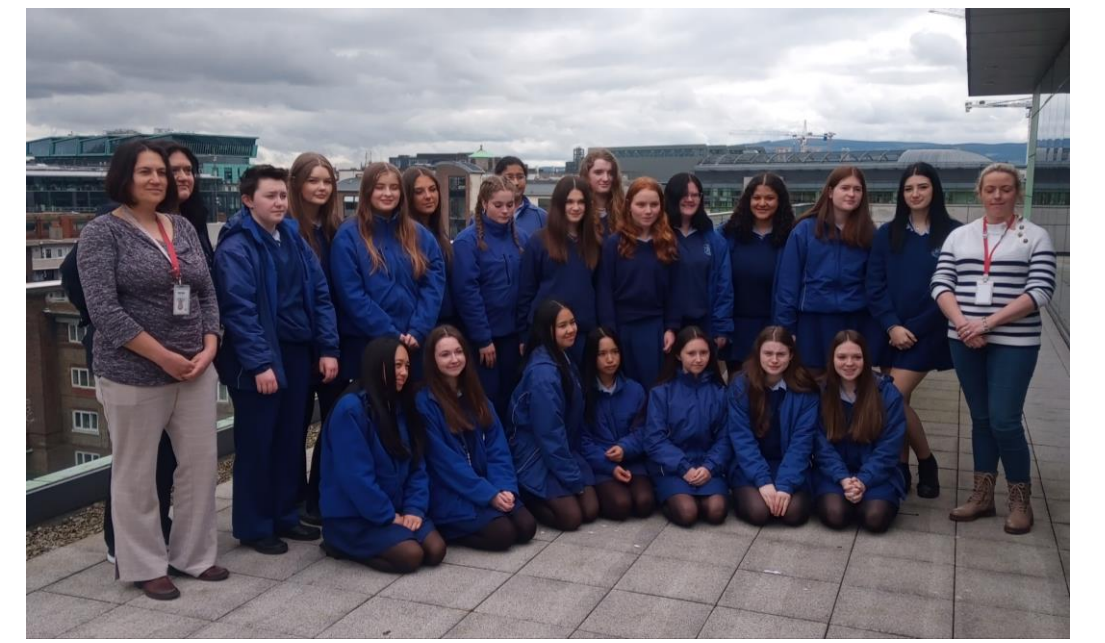
“Women’s equal and meaningful participation in the digital society is seen as both integral to the realization of women’s rights in the 21st century, as well as the realization of a just, inclusive, and rights-based information society and to achieve global objectives around gender equality and women’s empowerment by 2030.” (United Nations, Action Plan to Close Digital Gender Gap, 2015).



CodePlus is designed to address the imbalance of females represented within the tech sector.

## 2 FEATURES OF CODEPLUS:

- 20-hour coding workshops are delivered to female students giving them an insight into computer science
- Career talks are delivered to students from role models from the tech industry
- Industry engage with students through onsite company visits



## 3 METHODOLOGY:

Data collected through the administration of a pre and post coding camp survey. Coding camps are approximately 20hrs.

- 1) A survey is administered to all students pre-coding camps
- 2) A survey is administered to all students after the completion of the camps



In the students’ own words:

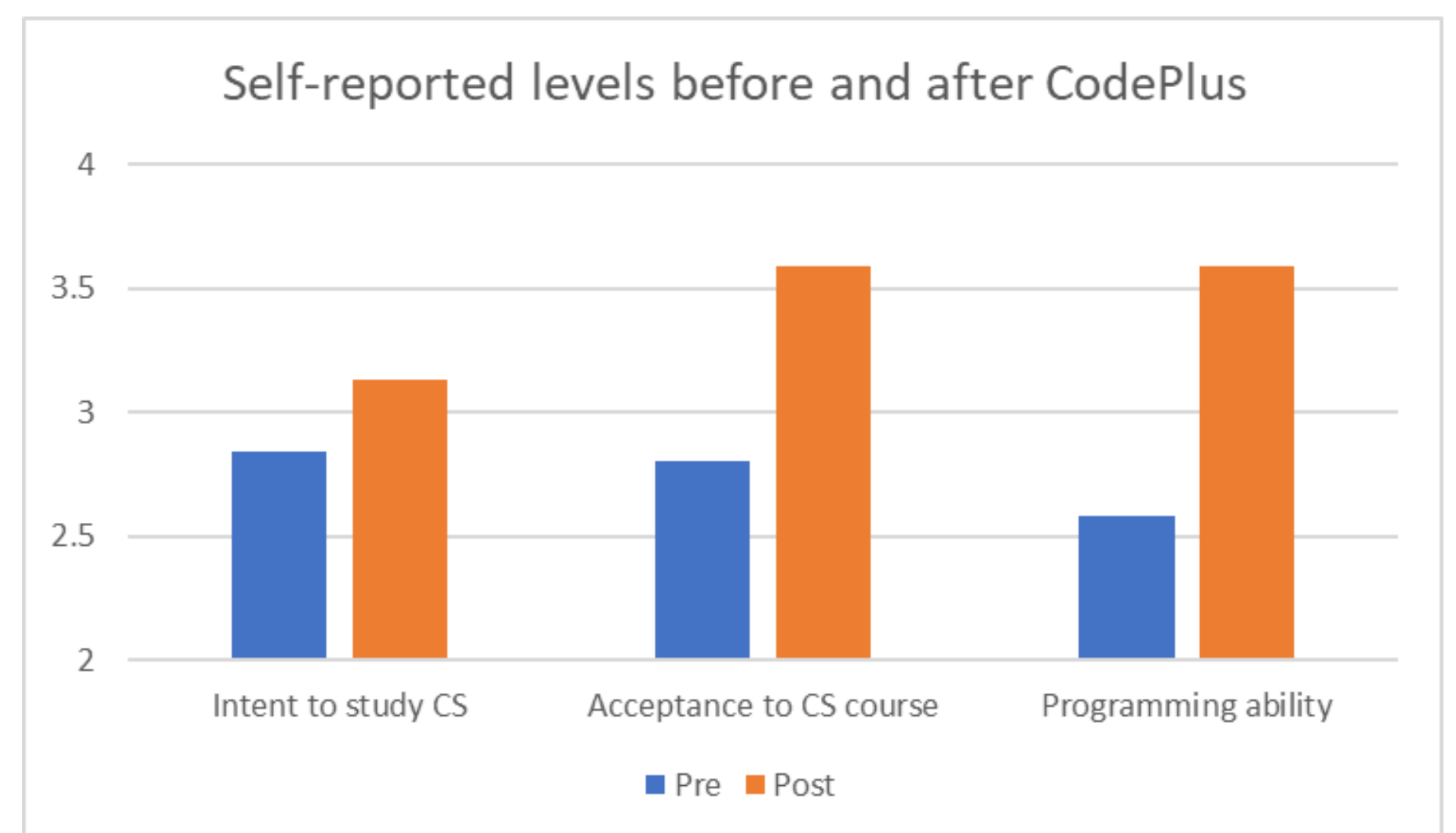
*“It was a very interesting workshop and was a very friendly and non-judgemental environment”*

*“Built confidence in being a girl doing a stem subject”*

*“... I now have a much different view to Computer programming. After doing this workshop I now find computer programming and coding incredibly interesting and fun. I am now considering studying it in third level”*

## 4 FINDINGS:

- 1) Students’ intentions to study Computer Science at undergraduate level significantly increased from pre-workshop to post-workshop
- 2) Students’ confidence to be accepted to study a CS-related course significantly increased from pre-workshop to post-workshop
- 3) Students’ self-reported levels of programming ability significantly increased from pre-workshop to post-workshop as did knowledge of individual languages



### HOST INSTITUTION



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