

Research Challenge Proposal

Date: 10/03/2017

Team Number: 6

Team Name: _____

Problem Title: (One Sentence description of the challenge)

The Detection and Prevention of Meltdowns in Children with Autism using Modern Technology

Research Objectives: (Include broad aims as well as specific research questions to be addressed)

1. Assessing Methods of early detection of meltdowns in children with autism.
2. Design and Evaluate a mobile-app based intervention for the prevention of meltdowns.

Approach: (Methodologies and methods to be followed; refer to known research or literature if appropriate)

Our proposal will proceed in two phases. Phase 1 is aimed at understanding ~~carers~~ the ability carers to detect and ~~prevent~~ ^{assist in} preventing meltdowns in children with autism. Phase 2 is ~~also~~ aimed at ~~both~~ designing and developing ~~an~~ a mobile which applies the conceptual model of meltdowns developed in phase. And evaluating the performance via qualitative methods of interviews and quantitative of meltdowns in children.