

UQIDAR: The University of Queensland - IIT Delhi Academy of Research Joint PhD Project Proposal Template

1. Project Title:

**Student Classroom Behavioural Issues in India and a
Digital health Behaviour Management Intervention for
Teachers**

Project ID

UQIDAR-00111

2. Supervision Team

Please visit the IITD website www.iitd.ac.in and UQ Website <http://researchers.uq.edu.au/> to highlight potential collaborators that would be best suited for the proposed project. Complete where possible – advise if you'd like assistance establishing contacts.

	University of Queensland	IIT Delhi	External/Industry (if applicable)
Supervisor Name	<i>Dr Matthew Bambling</i>	<i>Professor Purnima Singh</i>	<i>Henry Maris</i>
School or Department (or company, if applicable)	<i>Faculty of Medicine Centre for Digital Health</i>	<i>Department of Humanities and Social Sciences Indian Institute of Technology Delhi New Delhi</i>	<i>Nazareth College of Education for Women and partner high schools: Chennai</i>
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3. Other Supervisor Details

Please include other associate supervisors below:

Full Name and Title(s): Dr Sisira Edirippulige; Dr Hsien-Jin Teoh
School/Department/Company details: Faculty of Medicine; Centre for Digital Health
Phone/ +61 7 3176 7403
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URL: <https://cretelehealth.centre.uq.edu.au/profile/120/sisira-edirippulige>

2. Field of Research CODES:

(Specify up to four four-digit FOR codes for your project – see [here](#) for more detail on FoR codes)

1 1701	3 1103
2 1303	3 1117

3. Keywords: (this will assist in classifying project and presenting projects to students on the applications portal)

Choose up to 4 keywords for your project.

Eg: nanotechnology, data science, novel batteries, etc

1 adolescent	3 classroom
2 behaviour	5 teachers

4. Discipline Background of Candidate: (this will assist in presenting projects to applicants on the apps portal)

Ideally this project requires students with a background in...

Eg: organic chemistry, physiology, topology, CFD, etc

1 psychology	3 social sciences
2 education	4 youth

5. Project description

Summary of the proposed project, including aims and methodology. (max. 300 words)

Rationale

Recent education policy in India (2013) has focussed on increasing education participation by students from rural and disadvantaged areas. Misbehaviour affects learning, and unclear prevalence of misbehaviours brings concerns about training rural teachers to manage these misbehaviours. Epidemiological studies across India suggest that the prevalence of behavioural concerns amongst children to be between 11.48 - 45.6% and utilise various reporting methods (Bansal & Barman, 2011; Cholakottil, Kazhungil, & Koyamu, 2017; Sarda et al., 2013). This calls for studies using standardised measures on a specified age group. Recently, a pilot online Classroom Behaviour Management program, consisting of lecture and tutorials observed a reduction in high school student negative behaviours (Teoh et al., 2018). Whilst negative behaviour decreased, prosocial behaviours did not increase. Teachers reported a greater use of applying behavioural management skills, but students did not perceive broad changes in teachers' behaviours.

Results obtained propose a 2 stage project with the following aims:

1. Further investigate the prevalence of behaviour problems amongst school-aged children using standardised measures
2. Evaluate an online behaviour management program be able to reduce student's negative behaviours and increase student prosocial behaviours

Methodology

Stage 1 (Prevalence)

- *Subjects:* 300 boys and 300 girls from 6 schools.
- *Design:* Multi-group design. IV = group; DV = student behaviour.

Stage 2 (Online Intervention)

- *Subjects:* From Phase 1
- *Design:* Multi-group, multi-factorial design. IV = group. DV = students' behaviours, teachers' classroom management skills.
- *Online Program:* 7 hours of education delivered using eLearning methods focussing on predictors of problem behaviours, behavioural techniques for increasing positive and reducing negative behaviours, social skills and learning disorders.

Measurement Instruments

- Childhood Psychopathology Measurement schedule

- Student School Offences.
- Teacher Interpersonal Self-Efficacy Scale
- Teaching Behavior Questionnaire

Time-Frame

Data collection would involve 24 months (i.e., Stage 1 = 12 months; Stage 2 = 12 months), with 12 months required for data analysis and write-up.

6. Project deliverables/outcomes

Highlight the expected outcomes of the project

- Publications in refereed journals (minimum of 2 papers)
- ELearning Intervention program

7. Research Impact Themes:

Highlight which Research Impact Theme(s) this project will address?

(Feel free to nominate more than one. For more information, see <http://www.uq.edu.au/research/impact/>)

1. Healthy Ageing
2. Feeding the World
3. Resilient Environment
4. Technology for Tomorrow
5. Transforming Societies

8. Type of Student

This project is best suited for an:

i-student	X
a-student	
i- or a-student	

Note that an i-student will be expected to spend year-1 at IIT-D, year-2 at UQ and the remaining time at IIT-D.

An a-student will spend year-1 at UQ, year-2 at IIT-D and the remaining time at UQ.

All students will be required to complete some amount of coursework in their first year.

9. Student capabilities and qualifications

List the ideal set of capabilities (at least 2 essential and 2 desirable) that a student should have for this project. Feel free to be as specific or as general as you like. These capabilities will be input into the online application form and students who opt for this project will be required to show that they can demonstrate these capabilities. Add specific skill sets here...

Essential Capabilities:

- Experience with statistics
- Has carried out research (i.e., survey methodology)
- Able to use Microsoft Office
- Interest in child behaviour
- Strong interpersonal skills and ability to work with teachers, administrators and students
- Interest in tele health

- Has the equivalent of Band 7 IELTS

Desirable Capabilities:

- Organised
- Capacity to work independently and within a group
- Resourceful in terms of obtaining scales and information from India and Australia

Expected qualifications (Courses/Degrees etc):

- Relevant degree in psychology, education, social sciences, social work, Social Sciences or other appropriate degree with Honours; or a Masters degree with equivalent research components.