

An Indian-Australian research partnership

<b>Project Title:</b>	Stubborn and persistent – Child Malnutrition in India	
<b>Project Number</b>	IMURA0919	
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### Research Clusters:

### Research Themes:

Highlight which of the Academy's CLUSTERS this project will address? <i>(Please nominate JUST <u>one</u>. For more information, see <a href="http://www.iitbmonash.org">www.iitbmonash.org</a>)</i>		Highlight which of the Academy's Theme(s) this project will address? <i>(Feel free to nominate more than one. For more information, see <a href="http://www.iitbmonash.org">www.iitbmonash.org</a>)</i>	
1	Material Science/Engineering (including Nano, Metallurgy)	1	Advanced computational engineering, simulation and manufacture
2	Energy, Green Chem, Chemistry, Catalysis, Reaction Eng	2	Infrastructure Engineering
3	Math, CFD, Modelling, Manufacturing	3	Clean Energy
4	CSE, IT, Optimisation, Data, Sensors, Systems, Signal Processing, Control	4	Water
5	Earth Sciences and Civil Engineering (Geo, Water, Climate)	5	Nanotechnology
6	Bio, Stem Cells, Bio Chem, Pharma, Food	6	Biotechnology and Stem Cell Research
7	Semi-Conductors, Optics, Photonics, Networks, Telecomm, Power Eng	7	<b>Humanities and social sciences</b>
8	HSS, Design, Management	8	Design

## The research problem

Analysing the problems of convergent and coordinated action from a multi-layered perspective

**Outline:** Notwithstanding a 4 decade long child welfare programme, the Integrated Child Development Scheme (ICDS), child malnutrition in India persists stubbornly. The problem which is multi causal and multi sectoral, and recognized as such, needs to be studied from a multi-layered perspective to understand as to why inter sectoral coordination has not succeeded so far. This will also help us assess if the new Nutrition Mission approach and strategy can address the gap in convergent action and inter sector coordination and whether the new emphasis on data and evidence based intervention inputs is likely to make a dent in the situation anytime soon.

## Project aims

*Define the aims of the project:*

*A comprehensive understanding of the problem of persistent child malnutrition in the country and the reasons of the sluggish pace of reduction on account of lack of inter-sector coordination.*

## Expected outcomes

*Highlight the expected outcomes of the project including likelihood of patents:*

*The outcome of the research will be policy inputs for the task of malnutrition free India including process inputs and product inputs for specific regions in the country at least.*

## How will the project address the Goals of the above Themes?

*Describe how the project will address the goals of one or more of the 6 Themes listed above.*

The project looks at the National Nutrition Mission and the Integrated Child nutrition Scheme from multi-level perspective and from the governance problem of convergent action. It will also look at the feasible solutions, scalable at a wider level.

## Capabilities and Degrees Required

*List the ideal set of capabilities that a student should have for this project. 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.*

Background in Science or Technology domain, familiarity with quantitative techniques, preferably some familiarity with child malnutrition either as a desk analysis or field work.

## Potential Collaborators

*Please visit the IITB website [www.iitb.ac.in](http://www.iitb.ac.in) OR Monash Website [www.monash.edu](http://www.monash.edu) to highlight some potential collaborators that would be best suited for the area of research you are intending to float.*

State, District and project level administration. Civil Society organisations, Multilateral organisations like UNICEF

Select up to **(4)** keywords from the Academy's approved keyword list (**available at <http://www.iitbmonash.org/becoming-a-research-supervisor/>**) relating to this project to make it easier for the students to apply.