Behavioral Response of Autistic Children to Design Interventions 2015-16 Hay Grant Fund Awardee

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I. EXTENDED ABSTRACT

Abstract of work progress during the 6 months (January – June 2016) of research

In the first month of January 2016, detailed literature review of relevant research papers and books was done. The literature review was done concentrating on Autism, theories explaining Autism – cognitive and neural, visual perceptual differences in Autism and sensory subtypes. The research papers related to architecture for Autism were also reviewed. The second month of February 2016, a questionnaire was prepared for interviewing specialists and two interviews were conducted and reported. The literature review was continued to include the visual properties of built environment and also identified case studies on designing for Autism. In the third month of March 2016, formalities for getting institutional and ethical clearance in India were done. Also the assessment tools for primary study were finalized as CARS 2 for assessment of severity of Autism, Sensory Profile 2 for understanding the sensory difference and PSI – SF for quantifying parental stress as a measure of behavioral response and cases of validation in the Indian context were gathered. In the fourth month of April 2016, the design parameters for healing spaces in sensory design approach were consolidated from the extensive literature review done. Formulation of design parameters was done and which it was found could be finalized only after case studies/ observation studies of Autistic children. In the fifth month of May 2016, a case study format was prepared after discussions, pilot study and reworking. The month's work also involved the interview and interview reporting of another specialist. In the sixth month of June 2016, few case studies were done, which provided further insights into what could be the design parameters for Autistic children and also shortening of exposure period. Also, the preparation works for primary study involving initial assessments were done. The latter part of the month's work also involved preparation of interim report as well.

Timeline with modifications

Already done	Month	Initially proposed work (at the time of application for fund)	Modified work schedule
	January	Literature review	Literature review
	February	Interview of specialists	Interview of specialists
	March	Case studies /observation studies	Fixing upon tools for Assessment, sensory and behavioral aspects of sample, and getting ethical dearance
	April		Formulation of design parameters (tentative)
	May	Formulation of design	Preparation of case study format and interview of specialists (contd.)
	June	parameters	Few case studies and preparation of interim report
To be done	July August	Initial assessment	Finalization of design parameters after case studies
	September		Initial assessment of 3 tools (CARS, PSI,
	October	Final assessment after 3 months	Sensory Profile), exposure for one month
	November		and final assessment of PSI after one month
	December	Analysis of results	Analysis of results and report preparation

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2. AUTHOR BIOS

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