



**INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
SHORT ABSTRACT OF THESIS**

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Programme of Study : Ph.D.

Thesis Title: Study of Pedestrians' Unsafe Road Crossing Behaviour at Signalised Intersection Crosswalks

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SHORT ABSTRACT (100 Words)

The association between pedestrians' risk-taking behaviour and fatal crash frequency necessitated an understanding of pedestrians' risky road crossing behaviour at signalised intersections. Four objectives were formulated to fulfil research gaps, and data were gathered from 10 signalised intersections across Kolkata city. Under the first objective, the Impact of social and non-social factors on signal violation was studied. The second objective analysed the distracted road crossing behaviour using a questionnaire and video graphic survey. The waiting behaviour at signalised intersections was investigated using survival analysis to fulfil the third objective. Finally, pedestrian-vehicle interaction was studied using the pedestrian safety margin approach (fourth objective).