Aquitaine –Karnataka collaboration
Scientific Project for Pre-PhD student exchange

Scientific Proposal

Project Title	**Understanding of seismic failure of roads**	
Scientific domain	Earthquake Engineering / Civil Engineering	
Summary (ca. 10 lines)	Road connectivity after an earthquake is prime importance in the post - earthquake scenario, i.e., to evacuate dead and injured people. If an evacuation plan is well organized, the number of dead and distressed people can be significantly reduced. Hence, earthquake-induced road damage assessment and post-earthquake damage control studies are important for an effective disaster management plan. The objective of the project is model road section and understand seismic failure of typical road sections and update road damaging intensity scale developed by the supervisor. (Anbazhagan et al., 2012 Classification of road damage due to earthquakes, Natural Hazard, 60: 425-460).	
Student profile wished	Students studying M.E/M.Sc/.M.Tech with numerical skill	
Supervisor Name	Dr. P.Anbazhagan	
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Institute/laboratory/industry (full address)	Department of Civil Engineering, Indian Institute of Science, Bangalore Bangalore, Karnataka India 560 012.	
Chairman Name laboratory	Prof. Sudhakar M. Rao Department of Civil Engineering, Indian Institute of Science, Bangalore - 560 012	
Chairman of laboratory	@: msrao@civil.iisc.ernet.in	Tel: +91 80 2293 2812/2323
Timing & duration for project (give approximate ranges)	About 6 months	
Selected Publications	Publications must be in ISI journals	

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