PhD Program offered to
IIT Kanpur, Madras and IISc students
by the Melbourne School of Engineering

Coding for Flash Memories and Distributed Storage.

Supervisors: Dr. Udaya Parampalli

Dual PhD option:

Project description: People use multiple computing platforms such as mobile phones, laptops, tablets, e-readers to access their data stored on a storage servers. These developments have lead to proliferation of devices with flash memory technologies. To satisfy the demand for ubiquitous access to data for these devices large-scale distributed storage systems have been developed. Efficient Error correcting codes are required for both distributed storage and flash memories. This project concerns with all aspects of coding theory addressing the specific requirements of distributed storage and flash memories.

Student performance requirement: GPA of 8.5/10 or better.

Please note: the applicant must discuss with the nominated supervisor before finalizing the project proposal to be submitted to the University of Melbourne. This proposal is dedicated to IIT Kanpur, IIT Madras and I.I.Sc educated students only. The scholarship covers tuition and living expenses to work on the project. Applicants are not required to do any teaching. Duration of the PhD is 3-3.5 years and applicants can be admitted to the PhD candidature after the completion of a Masters degree or 4 year Bachelors degree from IIT Kanpur.

Rankings: The Melbourne School of Engineering is Australia's No. 1 engineering and technology school and No. 25 in the world [*]

Website: www.eng.unimelb.edu.au

[*] **Times Higher Education World University Rankings 2012-2013.**