

**For engaging and motivating Engineering students to induce deep learning and understanding through contextual and multisensory teaching and learning approaches**



*essential component in civil engineering education*". I have been requested to develop and map the learning pathway for introducing sustainable graduate attributes across the entire civil engineering program.

Design subjects like CS2003 and CS3001 lack sufficient reference books that follow Australian design specifications. This motivated me to develop comprehensive resources for these design subjects and also for CS3004 to facilitate student learning. I use meticulously drawn diagrams, real-world problems and pictures in my lecture notes to induce deep learning and understanding of the subject matter. Students have consistently commented on the high quality of my course materials and the overall structure of the course:

*"I believe that Rabin goes an extra mile when it comes to his lecture notes"*

*"His lecture notes and slides are of great quality, and generate interests in the subject"*

*"Enjoyed your lectures. Thank you for putting so much preparation into your lectures"*

My teaching resources have also been highly commended by my peers including the Head of Discipline. I have been recommended by peers to publish my teaching materials to alleviate the lack of resources in the area. Peer review for my teaching in CS3001 also recognized my effort to develop excellent resources for my teaching: *"Dr Tuladhar's command of his field and the resources he has developed for his students are outstanding"* (Dr Madoc Sheehan).

My work and teaching experiences in some of the leading universities in my field of expertise (University of Canterbury, New Zealand; Saitama University, Japan and Asian Institute of Technology, Thailand) have helped me to bring a wealth of cutting-

*The assessment requirement and criteria were clearly specified: 4.5/5 (CS3001)*

My continuous endeavour in catering for an active student-centred learning environment through various effective teaching and learning practices has inspired students to learn and has encouraged them to perform at their best: *"Rabin's determination for his student's to perform at their best is ever present, and his assistance has been second to none" (Simon Nash, thesis student 2010)*. My teaching is rated as "outstanding" by my peers including the Head of Discipline and the Head of School. The Head of School encouraged me to apply for the Citation and mentioned *"I (and several others in the School and Faculty) am aware of your outstanding performance in teaching. You must be congratulated on these achievements" (Unsolicited email, HOS 2010)*.

My SFS/SFT scores have been consistently very high in all the subjects I have taught and are well above the average score for the school and the university. Some of the widely used comments in my students' survey are:

*"Rabin has been one of the most effective lecturers I have experienced at JCU"*

*"He is by far the best lecturer"*

*"Without a doubt you would have to be one of the best lecturers in Engineering, if not the best)"*

*"CS2003 is one of the best subjects and learning experience I have had at JCU to date. Thank you for your commitment and learning experiences"*

The average SFS score for CS3001 in 2009 was 4.5 out of 5 and the response was 4.8 out of 5 for the questions: *"The teaching and learning experiences for this subject were well organized"* and *"Overall, I am satisfied with the quality of this subject"*.