



UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING  
INFORMATION SYSTEM DEGREE PROGRAMME  
THIRD YEAR  
IS 3116 - Database Management System II  
Assignment 02

**ACID (atomicity, consistency, isolation, durability) is a set of properties of relational database transactions intended to guarantee validity even in the event of errors, power failures, etc. In the context of databases, NoSQL, Cassandra and Cloud databases use different approaches to guarantee validity of transactions.**

**Write a report on approaches with suitable examples that NoSQL, Cassandra and Cloud databases use to guarantee validity of transactions.**

**Instructions for the Submission:**

**You are required to submit a PDF file named with your INDEX NUMBER (ex: "17020101.pdf").**

**Plagiarism**

**All work must be your own. All forms of plagiarism and cheating (for example copying from another student) are regarded seriously and could result in heavy penalties including failure in the assignment**