

## Emerging Technology Lab

### Assignment 6

#### MongoDB

Connect with MongoDB from mongo shell and perform the following operations using the MongoDB functions.

1. Create two collections named **studentInfo** and **studentAcademicInfo**.
2. Insert the respective record of "Rahul Sharma" in both collections.
3. Using the insertMany function insert the rest of the documents in the respective collections.
4. Display all the available documents from both the collections.
5. Display the academic details of roll number 102.
6. Update the mobile number of roll number 103 to 9876543211.
7. Update the address of roll number 106 and set city to Cuttack and state to Odisha
8. Update the branch name from "Computer Science" to "Computer Science and Engineering".
9. Display the academic details of the students who have a 9 or more CGPA.
10. Display the academic details of the Computer Science and engineering students who have scored more than 9.
11. Display the students' details from the states – Odisha, Maharashtra, and Karnataka.
12. Display the academic details in descending order of CGPA.
13. Display the number of students available in each department.
14. Display the number of students enrolled in the M.Tech program.
15. Display the average CGPA of all the students.
16. Display all the details of each student available in the database.
17. Display the roll, name, program, branch, and cgpa of each student.
18. Display the roll, name, city, state, and cgpa of the students who are from Odisha.
19. Delete the Info and Academic Info of roll number 109
20. Delete all the students from the M.Tech program