**Software Engineering Tools Lab**

**Assignment No-4**

(Module 4- Configuration management tools) **Due date-17/03/2022**

Q 1. Differentiate **Chef Vs Puppet Vs Ansible Vs Saltstack** w.r.t properties given below

1. Owner/ Company
2. Open/free/proprietary
3. Size
4. Configuration type(push/pull)
5. Components
6. Written in language
7. Tasks that can be performed (infrastructure/code management etc.)
8. Advantages
9. Disadvantages
10. Website
11. Installation prerequisite

Q 2. What are the different flavours of **Chef configuration management tool**?

Q 3. What is **Pull and Push** configuration?

Q 4. What is **Playbook and Inventory w.r.t Ansible** and **recipe and cookbook w.r.t Chef** configuration management tool?

Q 5. Perform below operations on your machine to check **working of Ansible**

1. Install Ansible
2. Setup an Inventory
3. Create a playbook to install MySQL db on one node.
4. Execute a playbook

Q 6. Perform below operations on your machine to check **working of Chef**

1. Install Chef
2. Create a recipe and place it in a cookbook to install MySQL db on one node.
3. Execute a recipe using knife command.