**Shri Vaishnav Vidyapeeth Vishwavidyalaya**

**Shri Vaishnav Institute of Information and Technology**

**Department Of Information Technology**



**Lab Manual**

**Subject: Agile Development Methodologies (DevOps + Agile)**

**Semester: II**

**Subject Code: BTIBM202N**

**Submitted To: Submitted By:**

Name: Mr. Virendra Dani Name: Ritik Prajapat

Roll Number: 21100BTCSFBI0965

Section : B.Tech. CSE (FSDB)

BTIBM202N Agile + DevOps

### BTIBM202N – Agile + DevOps

### LAB CONTENTS

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Name Of the Experiment | Experiment Date | Page No. |
| 1. | Write a case study of various Agile Models. | 15-03-2022 | 3 |
| 2. | Installation of GIT and creating GIT repository. | 29-03-2022 | 4 |
| 3. | Creating the first GitHub repository. | 07-04-2022 | 7 |
| 4. | Run command to initialize a repository on GIT Bash. | 21-04-2022 | 9 |
| 5. | Run command to add repository on GIT Bash. | 26-04-2022 | 10 |
| 6. | Run command to perform changes in the repository on GIT Bash. | 05-05-2022 | 11 |
| 7. | Run command to create a clone of GitHub remote repository on local system. | 10-05-2022 | 12 |
| 8. | Installation of JDK and Eclipse IDE. | 12-05-2022 | 13 |
| 9. | Setting up Environment Variable for JAVA. | 17-05-2022 | 16 |
| 10. | Create a simple JAVA program and run using CLI. | 24-05-2022 | 17 |
| 11. | Create MAVEN Project in Eclipse. | 7-06-2022 | 18 |
| 12. | Test MAVEN project using Junit. | 9-06-2022 | 21 |
| 13. | Installation of Docker | 16-06-2022 | 23 |
| 14 | Run Various commands on Docker | 21-06-2022 | 25 |
| 15. | Case study of DevOps Tool.   * Jenkins * Puppet * Nagios | 23-06-2022 | 26 |

BTIBM202N Agile + DevOps

**Shri Vaishnav Institute of Information Technology, Indore (M.P.)**

VISION

**“To be renowned for excellence in Computer Science & Engineering.”**

MISSION

**“To impart quality education, meeting the latest industry requirements, futuristic research & developments in Computer Science & Engineering.**