



Marwadi
University
Marwadi Chandarana Group



FACULTY OF ENGINEERING AND TECHNOLOGY

Department of Computer Engineering

OPEN SOURCE TECHNOLOGIES (01CE0618)

OPEN SOURCE TECHNOLOGIES

(01CE0618)

Lab Manual

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Class: EC5

Batch: B

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Lab	Program	Date	Marks	Signature
1.	Explore GitHub/GitLab for open-source projects with different licenses			
2.	Setup Git and explore commands related to Version Control System (VCS)			
3.	Create a GitHub/GitLab repository and upload sample code			
4.	Use npm / yarn / pip to install and manage packages			
5.	Deploy a simple application using Nginx / Apache			
6.	Setup Nginx to handle proxy requests and load balancing			
7.	Develop a Laravel / Django based web application			
8.	Use pytest to test a Python application			
9.	Use Selenium to create browser-based tests			
10.	Use Postman to test a sample API			
11.	Use OWASP ZAP to check security integrity			
12.	Modify any open-source desktop application			
	Contribute to any web-based open-source project			
	Use source code of an open-source web application and deploy it locally			