



**KONERU LAKSHMAIAH EDUCATION FOUNDATION**

*(Deemed to be University estd, u/s, 3 of  
the UGC Act, 1956)* **(NAAC Accredited**

**"A++" Grade University)**

*Green Fields, Guntur District, A.P., India – 522502*

**Department of Computer Science and Engineering**

*(DST - FIST Sponsored Department)*



**B.Tech. II CSE(H) PROGRAM A.Y.2023-24 EVEN, Semester-II**

**COUSE CODE - 21CI3246A**

**CONTINUOUS DELIVERY AND DEVOPS**

**CO1**

## **HOME ASSIGNMENT-1**

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1. Illustrate about working mechanism of agile model with a neat diagram.
2. List out popular CI tools and practices for automating code Integration (CI) and Continuous Delivery (CD)?
3. Explain the importance of version control in software development and how GitHub facilitates collaborative coding.
4. List the various steps of DevOps lifecycle.
5. Discuss how DevOps improves collaboration between development and operations teams.
6. What is containerization, and how does it differ from virtualization?