- <u>DEVOPS SERVICES</u>
- SOURCE CONTROL
- BUILD AUTOMATION
- CONTIONUOUS DEPLOY
- MONITORING
- ENVIRONMENT
- TEST AUTOMATION
- DELIVERY

- SOURCE CONTROL: Version control is also known as source control is one of the key tool is used in devops teams for reducing development time and increase rate of successful rate development.

- BUILD AUTOMATION: Automation is the crucial need for DevOps practices, and automate everything is the fundamental principle of DevOps. Automation kick starts from the code generation on the developers machine, until the code is pushed to the code and after that to monitor the application and system in the production.

- Automation in DevOps boosts speed, consistency, higher accuracy, reliability, and increases the number of deliveries. Automation in DevOps encapsulates everything   building, deploying, and monitoring.

- CONTINUOUS DEPLOY: Continuous Deployment is a software release process that uses automated testing to validate if changes to a codebase are correct and stable for immediate autonomous deployment to a production environment.

- MONITORING:, Monitoring is an automated process by which DevOps personnel can observe and detect compliance issues and security threats during each phase of the DevOps pipeline.

- ENVIRONMENT: An environment is collection of resources that can be targeted by deployments for a pipeline.

- TEST AUTOMATION: The automation testing is used to change the manual test cases into a test scripts with the help of some automation tools We have various types of automation testing tools available in the market. Some of the most commonly used automation testing tools are as Selenium.

- DELIVERY: It is a software development process code changes are automatically build, tested, and are prepared for release.

- WHAT IS SCALING

- It's been used to describe cultural changes automation change management, continuous delivery essentially a culture where dev and ops collaborate to build a faster more reliable release pipeline.

- <u>WHAT IS SUPPORT</u>
- It introduce processes of tools and methodologies to balance needs throughout the development life cycle from coding and deployment to maintenance and updates.

- <u>BENEFITS OF DEVOPS</u>
- Significant improvement in the production quality
- Improved performance of a software
- Minimal cost of production
- Faster deployment
- Reliable infrastructure managed by coding
- Improvement in productivity of the organization
- Fastening problem solving

- <u>METHODOLOGY:</u> Methodology is a processes of development and operations DevOps represents a change in the it culture with a complete focus on rapid it service delivery through the adoption of agile practices in the context of a system oriented approach.