ENGINEERING COLLEGE 2201125 Shrimang Land Experimen principles, practices, and devops Devops, responsbillies and Theory: Devops is a combination of two words, one is developments and other vis operations. It is a culture to promote the development & operations process collectively. Devlops can also be défined as an sequence à development and I operations with better communication and collaboration. - RIVERSE Define project scope, requirements le goals · Teams collaborate asing tooks like IRA eprint planning & tracking O Developers write source code using version control Code is modular, restrable le follows best practices for collaboration

The state of the s



	The state of the s
Test!	a Automated and manual tests ensures orde qualit
	and catch bugs easty.
	o Tools like Selenium or Junit are used for consistent,
	tast feedbach
S. Release!	
	Approved builds are packaged and marked read
	for deployment
	o Release management ensures right version gots
	to the right environment.
reploy:	· The code is deployed to staging or production
	environments'.
	o This is often automated using Cl/CD tools lik
	Jenkins, Gitlah Cl., etc.
7. Operate!	o The application is managed in the live environme
	ensun'ng stability:
	o. Includes load balancing, failover handling, and
	System health monitoring.
	- cyster ready. Inovarony.
· Q · Marsilar	o Real-time monitoring tracks performance, logs &
8 Monitor	user-activity.
	o Tools like Boometheus, Grafana help detect issues
	10013 me 100 meuleus, Urajana help detect issues
	$\Gamma = \Gamma =$
Advantages:	Faster Delivery & Updates
	2) Improved Collaboration
Disadvantages	17 Cultural Shift required 27 Complex Toolchain: Management.
	27 Complex Toolchain: Management.

The state of the s