Mahatma Gandhi Institute of Technology
Computer Science and Engineering
A One Week National level Faculty Development Programme
On
DevOps and Its Applications
DAY-WISE SCHEDULE

(05ᵗʰ February to 10ᵗʰ February 2024)

DAY	SESSION-1 (9.30AM -11.00AM)	SESSION-2 (11.10AM -12.30PM)	SESSION-3 (1.30PM -4.00PM)
DAY-1 **(27-02-2023)**	Introduction to Agile development model, DevOps & ITIL. DevOps process and Continuous Delivery	Release management What is Scrum & Kanban? And differences - Scrum Vs Kanban	What is the delivery pipeline? What is a bottleneck? & Examples
DAY-2 **(28-02-2023)**	Software development models: DevOps Lifecycle for Business Agility - Theory		Continuous Testing – Practical
DAY-3 **(01-03-2023)**	The need for source code control The history of source code management - Theory	Roles and code	source code management system and migrations, Shared authentication,
DAY-4 **(02-03-2023)**	**Practical's**: Hosted Git servers, Different Git server implementations,		Docker intermission, Gerrit, The pull request model & GitLab.
DAY-5 **(03-03-2023)**	Build systems Jenkins build server	Managing build dependencies Jenkins plugins build pipelines,	Build servers and infrastructure as code, Building by dependency order, Build phases.
DAY-6 **(04-03-2023)**	Deployment of the system: Deployment systems Virtualization stacks	Code execution at the client Puppet master and agents	Ansible Deployment tools: Chef, SaltStack and Docker