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| **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)** | Practicals: 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 |

**Mahatma Gandhi Institute of Technology**

**Computer Science and Engineering & Information Technology**

**FDP on DevOps**

**DAY-WISE SCHEDULE**

**(27th Feb to 04th March 2023)**