

DevOps



Digital Lync

EDUCATION - INNOVATION - INCUBATION

01

Welcome To

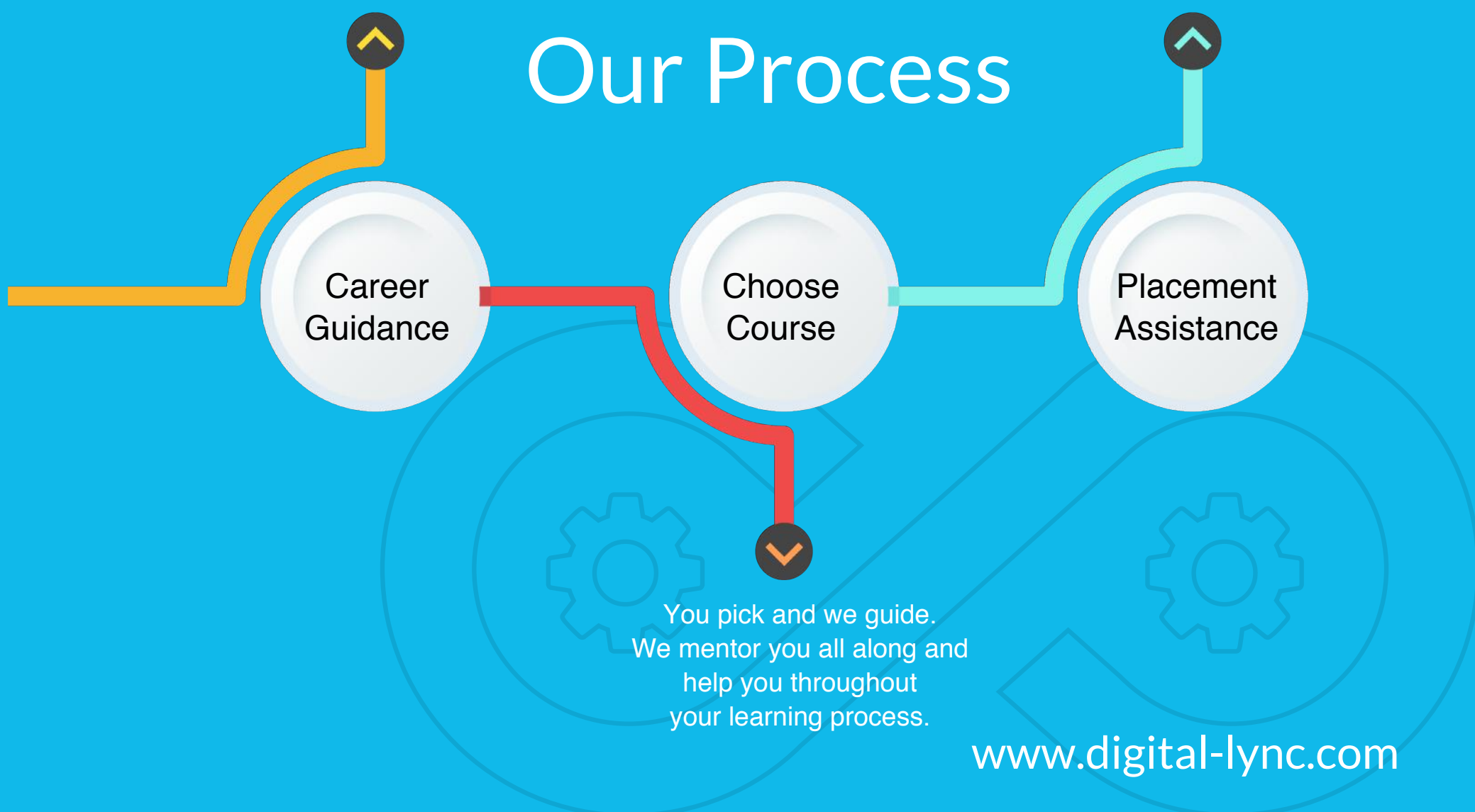
Digital Lync

Digital Lync empowers technology seekers by providing world class infrastructure, best quality project based technology education, research and development of great products and supports enthusiastic new entrepreneurs.

Expert counsellor advises to match your skills with trending technologies in the industry.

We are a link to your awesome future! We recognize, enhance and present your skills to the coolest companies.

Our Process



DevOps

DevOps is a set of tools, practices and methodologies which integrates various functions in the software development cycle. It drives connection between development, operations and quality assurance. It results in better communication, collaboration and cohesion between the separated business units.

DURATION: 45+ HOURS

WHAT YOU NEED TO KNOW

- Linux Essentials
- Understanding of SDLC and Agile

Why DevOps

DevOps enables organizations to deliver their services with high velocity. A DevOps Professional works on the entire application lifecycle from development and testing to operations.

With DevOps, you learn a large spectrum of skills. You are not confined to a single function and you get complete exposure to the entire software development life cycle.

CAREER

OPPORTUNITIES

DevOps Engineer

CICD Engineer

Cloud DevOps Engineer

Build Engineer

Build & Release Engineer

Build/Deployment - Engineer

Build Automation and - Release Engineer

Enterprise Cloud DevOps Engineer



02 DevOps

Curriculum

CLOUD COMPUTING (GCE)

- Creating GC Account
- Cloud Features & Creating Instances
- Working with Network
- Working with Firewall

LINUX

- Introduction to Linux OS
- CentOS Installation
- File and Directory Management
- Text Editor
- Links
- Utility Commands
- Archives & Backups
- User & Group Management
- File Security & Permissions
- Package & Service Management

LAMP

- Introduction & Installation Apache
- Working with Apache
- MySQL DB Installation
- Working with MySQL
- Setting up CMS- Wordpress

GIT

- What is Git
- Installing Git
- Getting started
- Git Architecture
- Making changes to file
- Using Git with real project
- Undoing changes
- Ignoring files
- Navigating tree commit
- Branching
- Merging Branches
- Stashing Changes
- Remotes

MAVEN

- Introduction to Maven
- Maven Structure
- Maven Installation
- Maven Hands-on

NEXUS

- Introduction to Nexus
- Nexus Installation
- Creating Repos
- Pushing the generated war to Nexus

JENKINS

- Overview of Jenkins
- Getting Started with Jenkins
- Plugins and it's uses
- Setting up Your Build Jobs
- Setting up Build Jobs and Security
- Implementing Automated Testing
- Using Metrics to Improve Quality
- Nodes and Master-Slave Configuration
- Plugins and its uses
- Performing Automated Deployment and Continuous Delivery

CHEF

- Introduction to Configuration Management
- Chef User Management
- Chef Organization Management
- Chef Distribution Kit
- Chef Workstation Setup
- Chef Resources
- Chef Recipes
- Chef Cookbooks
- Chef Attributes
- Chef Supermarket
- Chef Databags

NAGIOS

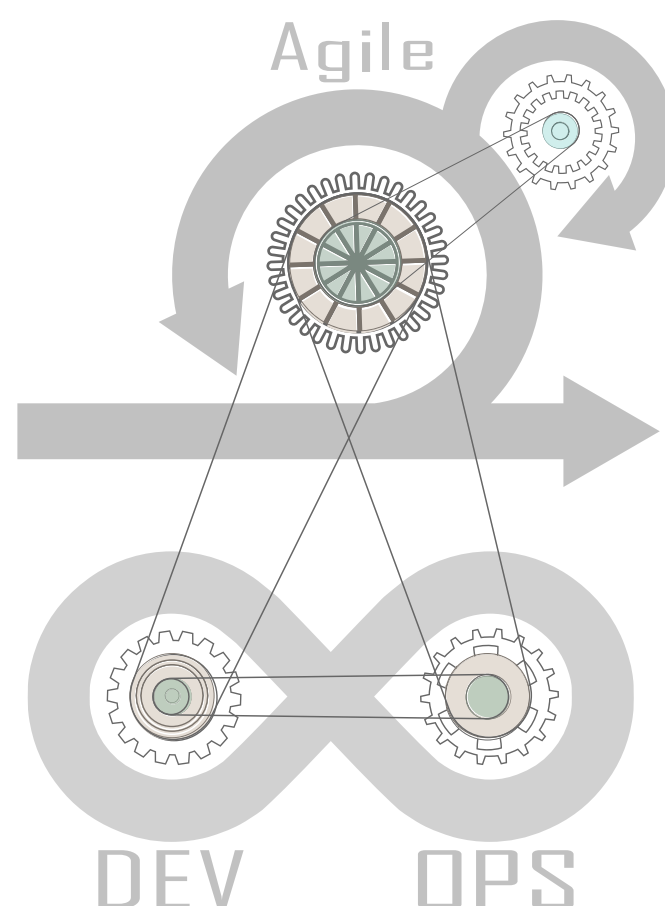
- Introduction to Nagios
- Concepts behind Nagios
- Nagios Installation
- Hands-on

Vagrant

- Introduction to Vagrant
- Vagrant Terminologies
- Vagrant System & Commands
- Vagrant Plugins & Provisions

DOCKER

- Introduction to Docker
- Installation of Docker
- Data and Docker Volumes
- Docker Architecture
- Container Life Cycle
- Networking with Docker
- Working with Docker images
- Building images with Docker files



03

DevOps

Project

Use Maven to develop Web Applications and put the application under version control system using Git. For collaboration, use GitHub and push the project to GitHub.

Build a GCP instance and install Jenkins CI-CD server and configure the jenkins using RBAC, configure security, manage required plugins. configure Jenkins and setup GitHub webhook for auto deploying the WebApp.

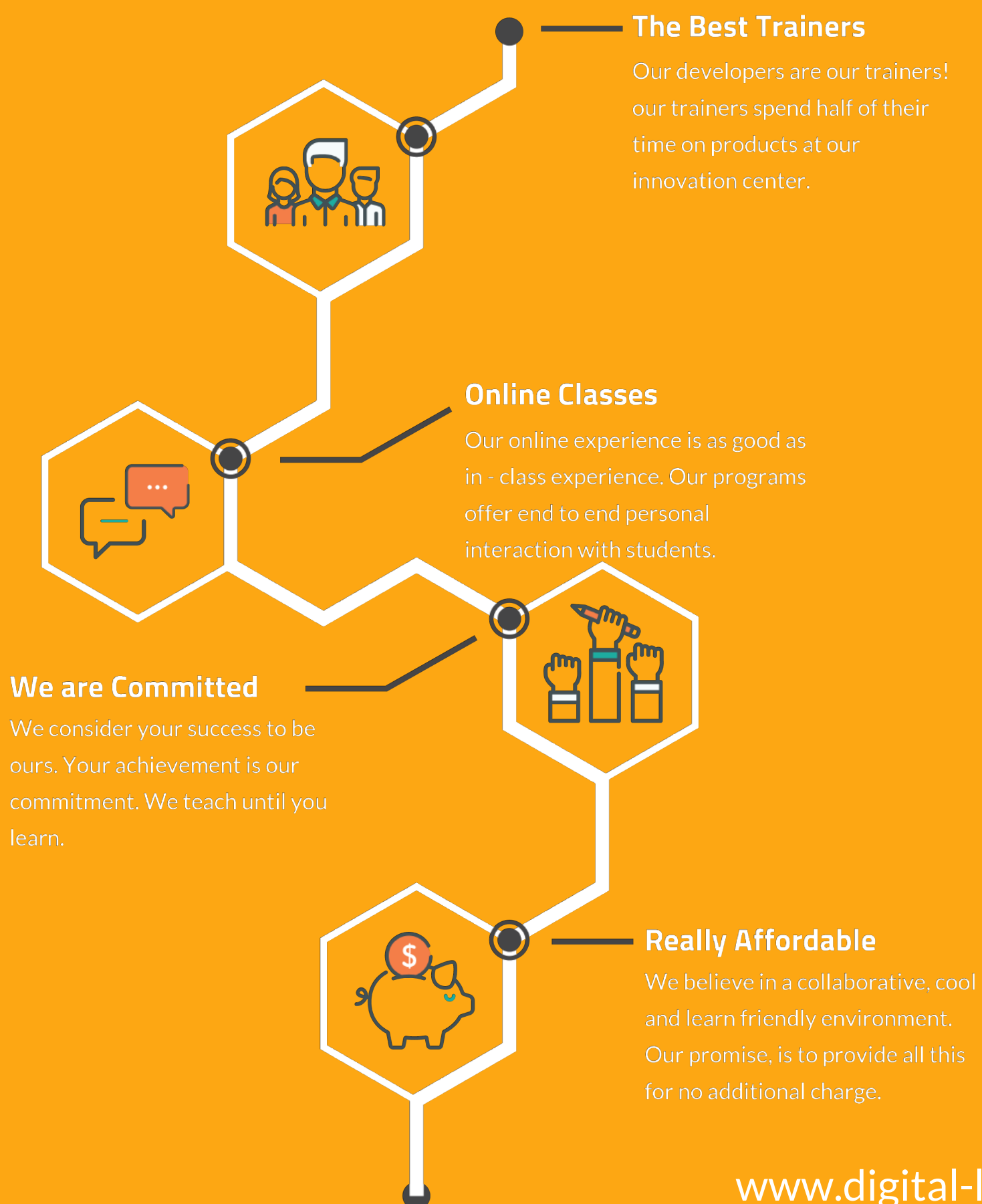
Now create another instance or use a hosted Chef instance and configure Jenkins with Chef and use Jenkins during the build process and perform following task:

1. Using the Configuration Management tools [Chef], build WebApp instance, Tomcat instance, Artifactory/Nexus instances from Jenkins.
2. When the code is pushed to GitHub, Jenkins build automatically triggered and once the artifact is generated on WebApp instance, the war file should be deployed to the Nexus/Artifactory and also on the Tomcat instance.

04

Why

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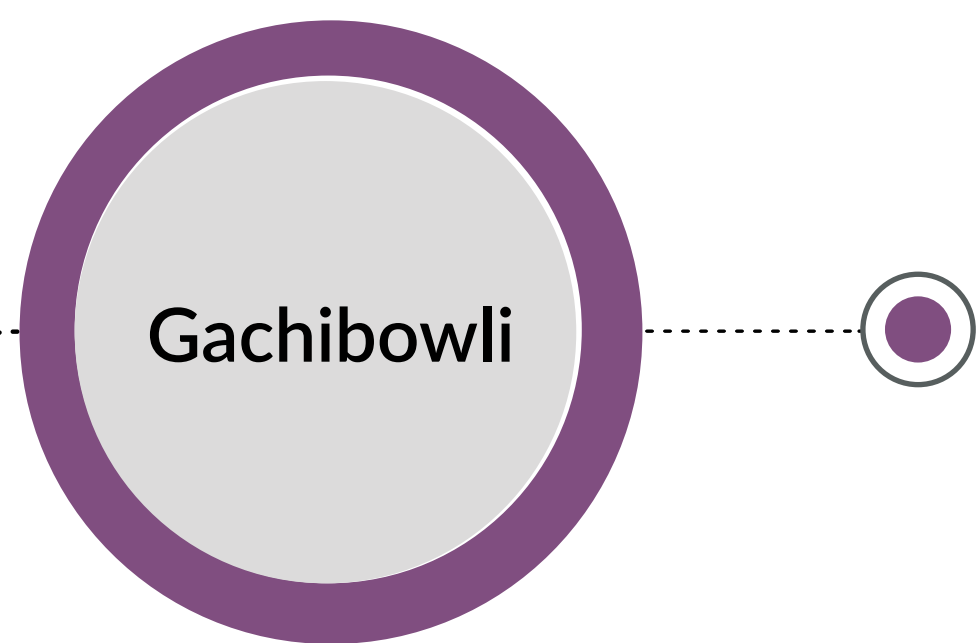
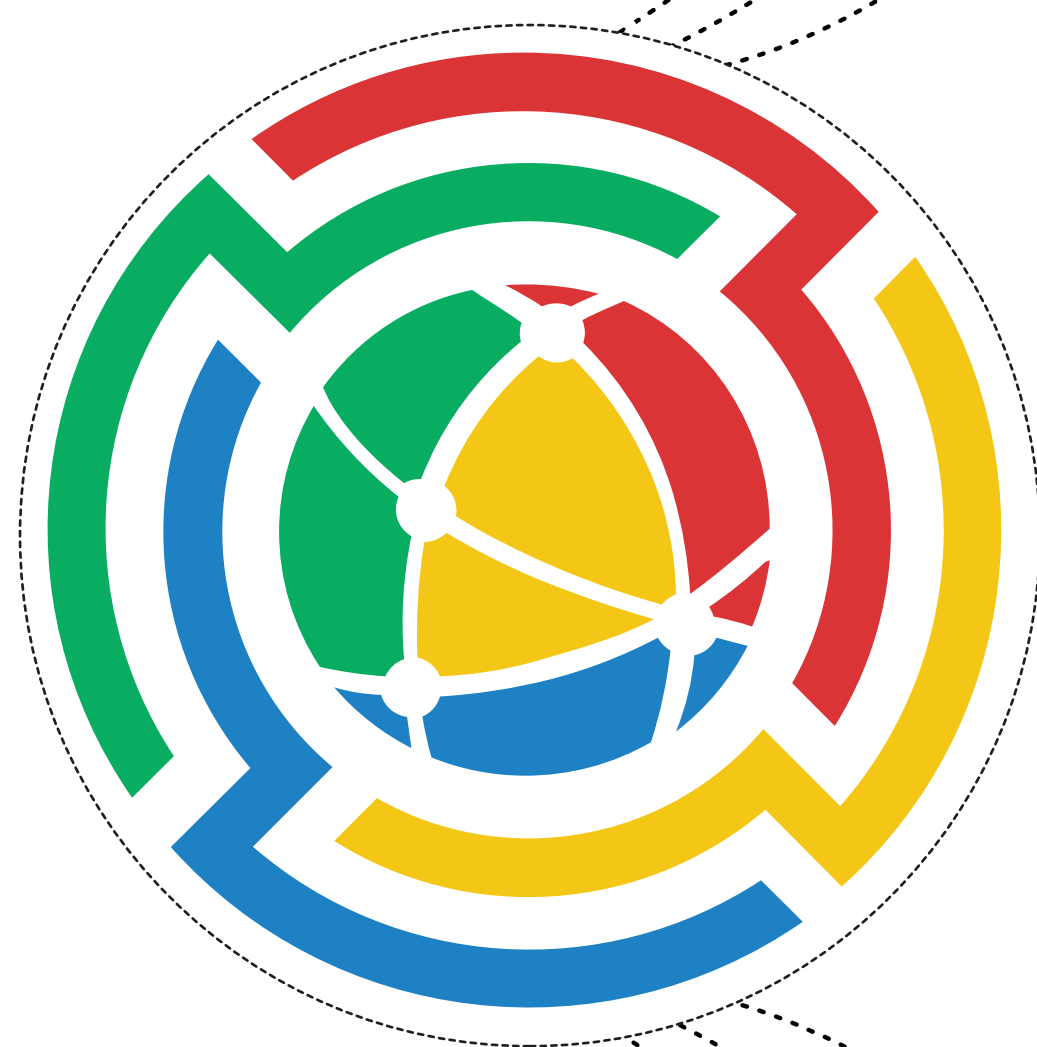
Trending

Technology

Python
Devops
AWS
Azure (Cloud Computing)
Data Sciences
Deep Learning
Artificial Intelligence
Data Analysis
Big Data
FullStack
Digital Marketing
Mobile Development
Blockchain
Visual Design
Game Development
IOT
Cyber Security

DL

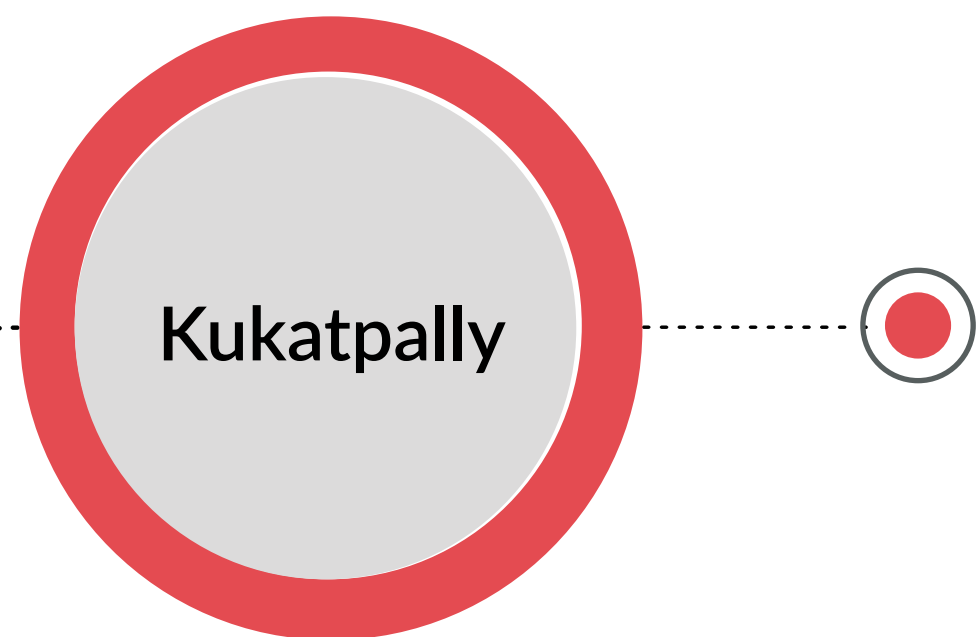
BRANCHES



Gachibowli

Khajaguda, Naga Hills Rd,
Madhura Nagar Colony,
Gachibowli, Hyderabad.

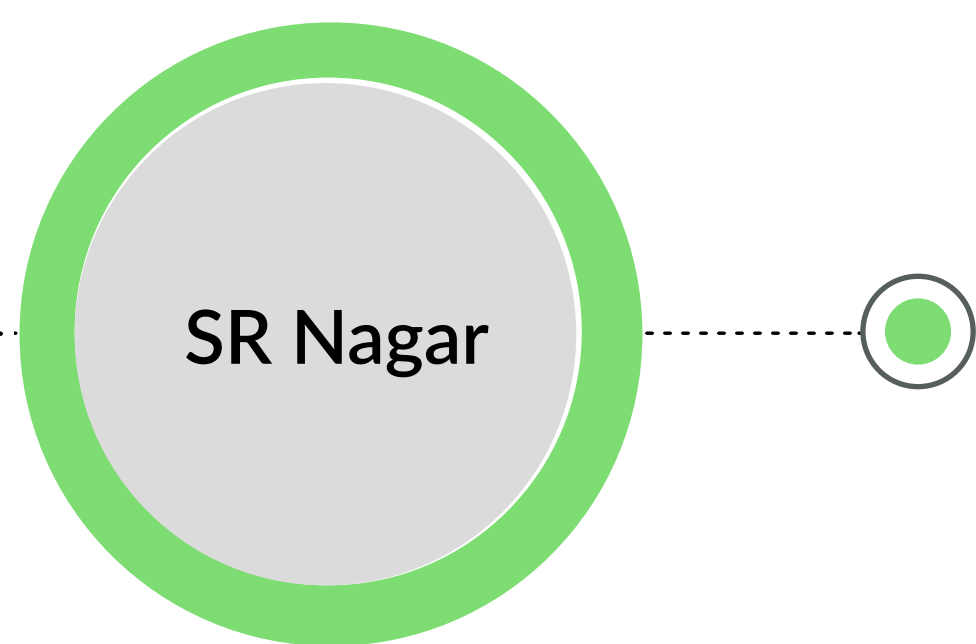
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Kukatpally

Manjeera Trinity Corporate,
1st floor, office no. 106 & 107,
Kukatpally, Hyderabad.

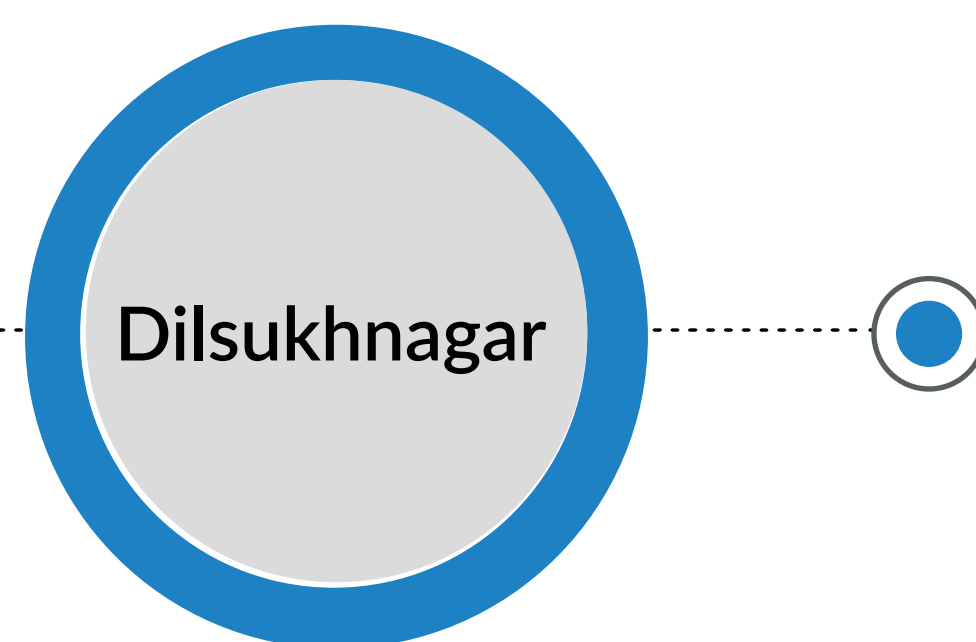
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SR Nagar

31/A , Chitti Classics, Adjacent to
SR Nagar Police Station Signal,
Balkampet Main Road,Hyderabad.

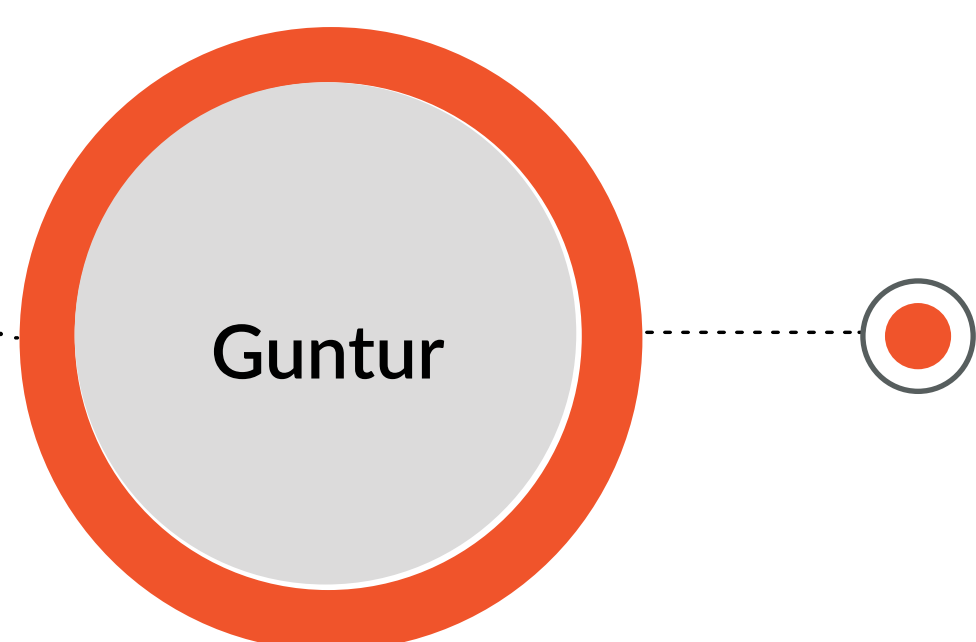
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Dilsukhnagar

Near Telephone Colony Arch,
Yashoda Speciality Clinic
Building 3rd floor,
Kothapet, Hyderabad.

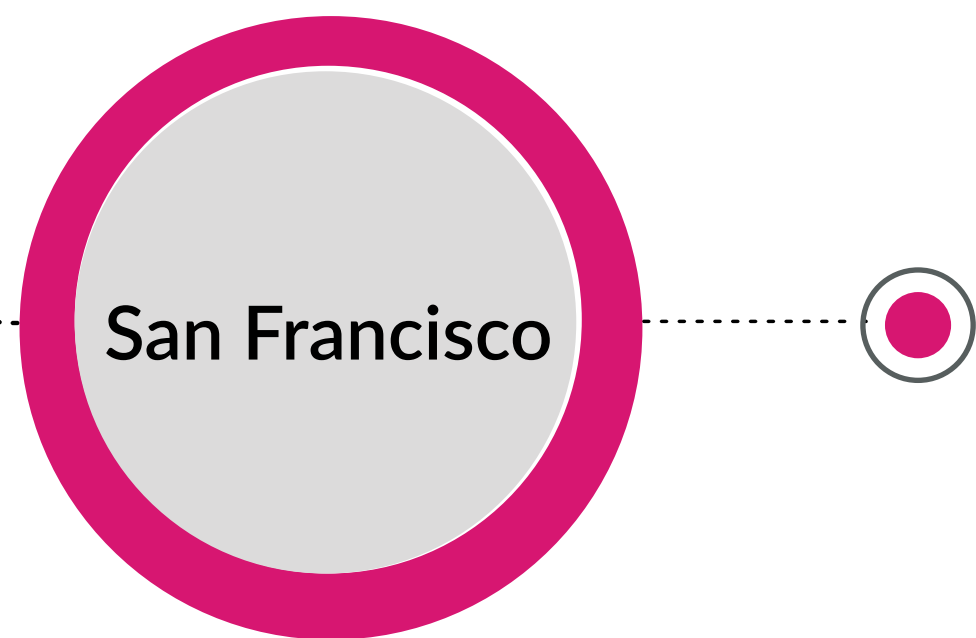
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Guntur

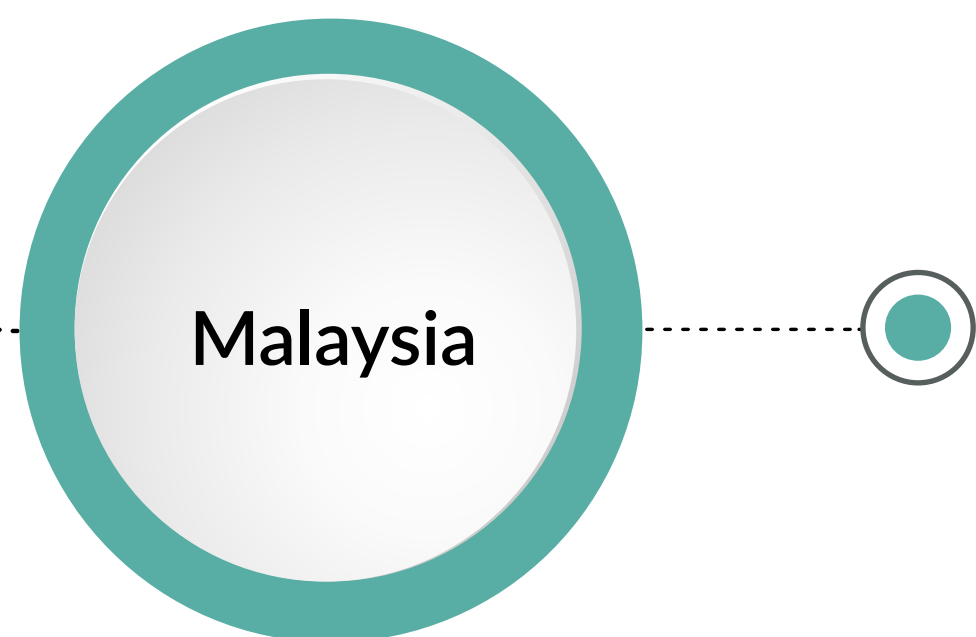
Emgee House,
Chandramouli Nagar,
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