



A Report on Workshop on Cloud Based Web Application Development using Python (Django+MongoDB)

**15th March 2019 to 19th March 2019
(Sunday included)**

**Organised By
L.J. Institutes of Computer Applications**

A Brief note on the workshop

Staff training and certification must be a continuous activity of any leading organisation in order to persistently nurture the level of knowledge and skills displayed by the staff with the intention to improve their efficiency and effectiveness. With such an intention **L.J. Institutes of Computer Applications**, organised a five days workshop on “**Cloud Based Web Application Development using Python (Django + MongoDB)**”, jointly with **GTU (Gujarat Technological University)** and **AICTE (All India Council for Technical Education)**. The tenure of the workshop was from **15th March 2019 to 19th March 2019**. Faculties from not only **L.J. Institutes of Computer Applications**, but from various other institutes affiliated to GTU were the participants in the workshop. The workshop was accompanied with the assignment submission and full day training with practical applications of the contents. The Program was coordinated by **Dr. Monica Gahalawat** with the support of honourable **Prof. Alok Manke**, Director LIMCA and **Dr. Jignesh Doshi**, Dean of MCA.

Invited Expert

The goal of this workshop was to update the knowledge and skills of the faculty members with the current technologies. Thus the workshop was conducted by **Mr. Nikhil Shah**, VP of Business Development strategy, Predikly, the eminent industry experts .

Along with this, the training program was accompanied with other personalities **Mr. Anubhav Chaturvedi**, Product Manager, Vnurture, Mr. Deep and Mr. Jahir, who helped the trainees during the session.

Course Contents

- Day 1:** Core Python
- Day 2:** Advanced Python
- Day 3:** Django Framework
- Day 4:** Mongo DB
- Day 5:** Development Examples



Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Python is simple, easy to learn syntax, emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

Django is a free and open source web application framework written in Python. A framework is nothing more than a collection of modules that make development easier. They are grouped together, and allow you to create applications or websites from an existing source, instead of from scratch. Django's primary goal is to ease the creation of complex database-driven websites. Some well known sites that use Django include PBS, Instagram, Disqus, Washington Times, Bitbucket and Mozilla.

MongoDB is an object-oriented, simple, dynamic, and scalable NoSQL database. It is based on the NoSQL document store model. The data objects are stored as separate documents inside a collection — instead of storing the data into the columns and rows of a traditional relational database. The motivation of the MongoDB language is to implement a data store that provides high performance, high availability, and automatic scaling. MongoDB is extremely simple to install and implement. MongoDB uses JSON or BSON documents to store data. General distributions for MongoDB support Windows, Linux, Mac OS X, and Solaris.

Participants

Faculties from different colleges from Gujarat Technological University attended the workshop. From our college all faculties were part of the program. Faculties have given training on core python, Advanced Python, django and MongoDB. It was really a lively session because of the participants from various institutes.

Photographs

The Front Page



The Training Program



Inaugural Program



Group Photo

