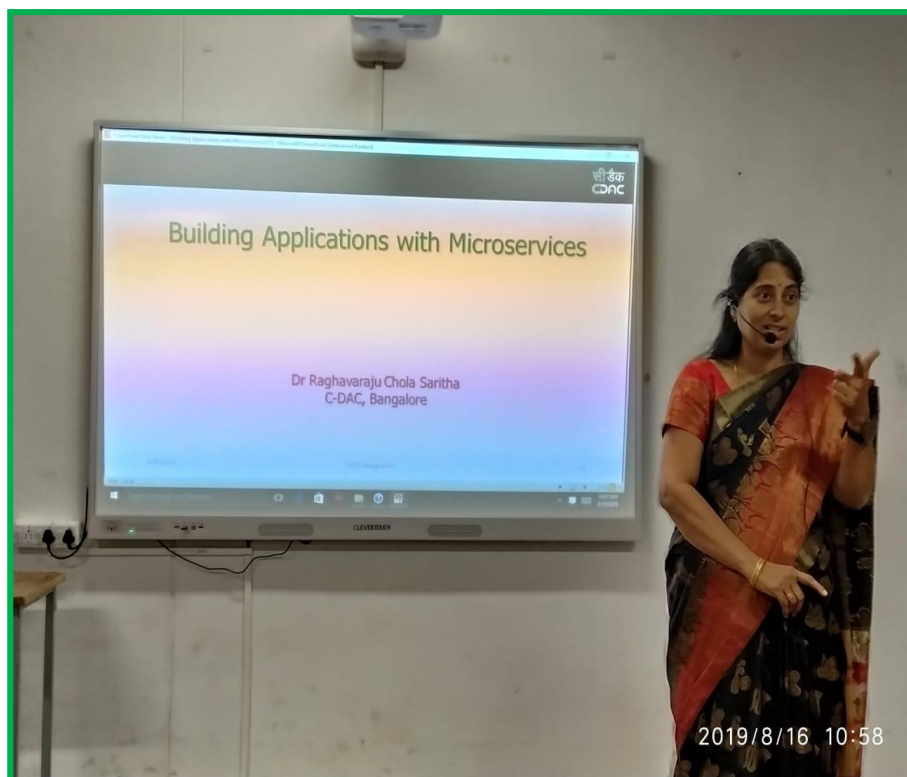# DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

A Report on Guest Lecture

BUILDING APPLICATIONS WITH MICROSERVICES

The Department of Master of Computer Applications organized a Guest Lecture on "**Building Applications with Microservices**" on 16th August, 2019. The target group was Students of MCA III & V Semester.

The Resource Person **Dr. R. C. Saritha,** Joint Director, CDAC, Bengaluru discussed on Traditional, Model, View and Controller (MVC), Service Oriented Architectures (SOA) and Microservices; how to overcome the limitations of SOA using Microservices implementation of Hybrid applications.

Dr. R. C. Saritha delivering a talk on
"Building Applications with Microservices"

Dr. R. C. Saritha briefed on Microservice architecture for application development in which a large application is built as a suite of modular components or services. Each module supports a specific task or business goal

and uses a simple, well-defined interface, such as an application programming interface (API), to communicate with other sets of services. The Microservice paradigm provides development teams with a more decentralized approach for building software.

Dr. Saritha explained various services that runs on a unique process and usually manages its own database, service generate alerts, log data, support of user interfaces (UIs) and handling of user identification/authentication. She stated the implementation procedure of CRUD operations using JDBC in the development of Hybrid applications.

The Resource person also highlighted how Microservices enable each service to be isolated, rebuilt, redeployed and managed independently with the latest technologies like Node.js, Spring boot and strategies for effective application development with a case study on Uber services.

More than 90 students participated in this Guest Lecture and gained knowledge on how to build applications with Microservices. During the session, the students posed various questions and got their doubts clarified by the resource person.

Participants

Resource Person with MCA Faculty and Student Participants