Department of Computer Science and Engineering

Faculty Development Programme
On
DevOps

Date: 6th, December, 2018
Time: 11:00 AM to 5:20 PM
Venue: Computer Lab 2
Resource Person: Mr. Rangit Sengupta, Director & COO, Vectra Technosoft Pvt. Ltd., Mrs. Sameera Shah, Red Hat Instructor, Chennai, ICT Academy

Event Description:

The Faculty Development Programme on "DevOps" was handled by Mrs. Sameera after the exchange of MOU with RedHat Linux. The session started with faculty members of CSE and ECE departments. The inputs focused by the resource person are:

What is the role of DevOps? - **DevOps** Engineer works with developers and the IT staff to oversee the code releases. They are either developers who get interested in deployment and network operations or sysadmins who have a passion for scripting and coding and move into the development side where they can improve the planning of test and deployment.

What are the DevOps tools? –

Gradle. Your DevOps tool stack will need a reliable build tool. ...

Git. Git is one of the most popular DevOps tools, widely used across the software industry. ...

Jenkins. Jenkins is the go-to DevOps automation tool for many software development teams. ...

Bamboo. ...

Docker. ...

Kubernetes. ...

Puppet Enterprise. ...

Ansible.

She taught some practices on Ansible tool.

How DevOps does works? – **DevOps** is the practice of operations and development engineers participating together in the entire service lifecycle, from design through the development process to production support. **DevOps** is also characterized by operations staff making use many of the same techniques as developers for their systems **work**.

Later she explained how the Ansible tool works. **Ansible works** by connecting to your nodes and pushing out small programs, called "**Ansible** modules" to them. These programs are written to be resource models of the desired state of the system. **Ansible** then executes these modules (over SSH by default), and removes them when finished.

At the end of the session, the resource person conducted a test on Ansible tool with some multiple choice questions.