



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

A REPORT ON WORKSHOP “IBM BLUEMIX - A CLOUD PLATFORM”

By

Department of Computer Engineering, PIET

Section	Session	Date: 23-09-2017 Saturday
5CSA	I	8:00 AM-11:00 AM
	II	11:40 AM-2:30 PM

Section	Session	Date: 19-09-2017 Tuesday
5CSB	I	8:00 AM-11:00AM
	II	11:40AM-2:30PM

Venue of Workshop:

ONLINE LAB (NG-02, PIET)

Objective:

Bluemix is based on the Cloud Foundry open-source platform and contains many non-IBM services. The skills that students can gain from using Bluemix are transferable and can push the bounds of transformation. Students can even use Bluemix to create their own service APIs. Bluemix is useful in many disciplines, including engineering, design, and business. The Social Sciences can take advantage of the Bluemix analytics services. On graduation day, students who used Bluemix will feel well-prepared and ready to take on their industry.

Outlines of the workshop:

SESSION – 1

- Introduction to cloud computing
- Different models of Cloud Computing
- Brief description about Bluemix
- Bluemix user interface tour. Login
- Managing organization and spaces

SESSION – 2

- Bluemix dashboard
- Development of cloud foundry apps
- Web Developing & Web Hosting
- IOT

Topics covered in Workshop:-

1. Introduction and importance of cloud computing
2. Cloud computing architecture
3. Cloud computing services
4. What is Bluemix?
5. Evolution of Bluemix.
6. Why Bluemix.
7. Bluemix user interface tour. Login
8. Bluemix Dashboard.
9. Bluemix region, organizations, spaces, User and domains
10. Managing organizations and spaces
11. Monitoring and logs
12. Boiler plates. cloud foundry apps
13. Build packs and container
14. Tools chains
15. Development of webpage
16. Web page hosting on cloud server
17. IOT Introduction

Content Relevant:

Instructor has given full hands-on practice in IBM Blue-mix and Project deployment and Development on cloud. Students will develop a disciplined engineering approach and sound practical skills in the specification, design and implementation of cloud based projects. The workshop has relevance with the Project Lab and industry.

Conclusion: The Department of computer Engineering of Poornima institute of Engineering & Technology, Jaipur has organized one days workshop on “**IBM BLUEMIX** on 19 August 2017 for Btech-2nd Year section A and on 22 August 2017 for Btech-2nd year Section B , the aim is to provide hands on practice to the students on the aspects of development for any project on IBM Bluemix. Students had shown their interest to explore more about bluemix platform and cloud technologies.

Organizer & Trainer of the Workshop are:

1. **Mr. Sandeep Tuli**
Assistant Professor, CS, PIET
2. **Mr..Mahesh Verma**
Associate Professor, CS, PIET
3. **Mr.Vishal Choudhary**
Associate Professor, CS, PIET

PROGRAM CHAIR

Mr. Deepak Moud
HOD, CS, PIET

