



# POORNIMA

## COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

### A Report on “Workshop of IOT Application Development & Deployment Using IBM Bluemix”

#### CONTENT:

**NAME OF ACTIVITY:** “IOT Application Development & Deployment using IBM Bluemix”

**DATE & DURATION:** 14<sup>th</sup> & 15<sup>th</sup> March, 2019 (Thus. & Fri.)

**TYPE OF ACTIVITY:** Workshop

**ORGANIZER(S):** Department of Information Technology, Poornima College of Engineering, Jaipur.

#### EXPECTED OUTCOMES:

- Student will be able to enhance the knowledge of IBM Bluemix.
- Student will be able to develop IOT application using IBM Bluemix.
- Student will be able to learn deployment using IBM Bluemix.

#### MAPPINGS WITH PO & PSO: Mapping Levels: 1- Low, 2- Moderate, 3-Strong

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	2	-	-	-	-	-	-	-	-	-	2	3	3
CO2	-	-	-	-	2	-	-	-	-	-	-	-	2	2	2
CO3	-	-	-	-	-	-	-	-	-	-	-	3	2	3	2

FLYER / POSTER:



# POORNIMA

## COLLEGE OF ENGINEERING

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### Department of Information Technology

#### WORKSHOP

ON

#### IOT Application Development & Deployment using IBM Bluemix

Organized by Department of Information Technology

Resource Person: Ms. Shakshi Mishra Asst. Prof-CS & IBM Program Trainer  
Venue: IBM Lab, PCE  
Date and Day: 14<sup>th</sup> & 15<sup>th</sup> March, 2019 (Thus. & Fri.)  
Timings: 8:30 am to 3:00 pm



SAVE WATER      SAVE GREENERY      SAVE EARTH

**BRIEF BIODATA OF RESOURCE PERSON:** The workshop was organized by the IT Department under IBM Career Education program and was conducted by **Ms. Shakshi Mishra Asst. Prof-CS & IBM Program Trainer.**

**ABSTRACT OF THE WORKSHOP:** The internet of things, or IoT, is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

The program of IBM IoT includes two modules:

Module I includes introduction to IoT, sensors, actuators and networking protocols. It consists of simple LED programs, temperature sensing programs, sending mail with SMTP and data sending to cloud.

Module II includes LCD interfacing and sensor data displaying on LCD, MQTT and Nodejs programs, ultrasonic and different sensors program and Node Red application.

This program will make students learn IoT in a practical approach and to find solution of practical

problems in field of Healthcare, Home Automation, Agriculture, E-Commerce, Security etc.

**GLIMPSES:**





**LIST OF PARTICIPANTS:**

S. No.	Reg. No.	Year	Name of Student
1	PCE16IT001	III Year	Abhishek Ranjan .
2	PCE16IT002	III Year	Aditya Kumar .
3	PCE16IT003	III Year	Akanksha Bansal .
4	PCE16IT004	III Year	Akshay Kumar Yogi .
5	PCE16IT065	III Year	Akshay Rathore .
6	PCE16IT006	III Year	Akshita Parakh .
7	PCE16IT007	III Year	Aman Pareek .
8	PCE16IT008	III Year	Anuj Gupta .
9	PCE16IT010	III Year	Ashutosh Garg .
10	PCE16IT064	III Year	Ashutosh Kumar .
11	PCE16IT011	III Year	Avinash Raj .
12	PCE16IT012	III Year	Ayush Trivedi .
13	PCE16IT013	III Year	Ayushi Agarwal .
14	PCE16IT015	III Year	Bhawika Bhatia .
15	PCE16IT016	III Year	Deepak Kumar .
16	PCE16IT018	III Year	Diksha Gupta .
17	PCE16IT019	III Year	Diksha Jangir .
18	PCE16IT020	III Year	Diksha Kejriwal .
19	PCE16IT021	III Year	Dipanshu Goyal .
20	PCE16IT023	III Year	Gourav Agarwal .
21	PCE16IT024	III Year	Himanshu Devrani .
22	PCE16IT025	III Year	Imran Khan .
23	PCE16IT026	III Year	Jaishree Nagauri .
24	PCE16IT027	III Year	Jayshree Vashistha .
25	PCE16IT029	III Year	Krishna Pratap Singh
26	PCE16IT032	III Year	Mangal Dixit .
27	PCE16IT033	III Year	Manisha Vashishtha .
28	PCE16IT034	III Year	Meghna Jain .
29	PCE16IT036	III Year	Mukul .
30	PCE16IT037	III Year	Nandini Saha .
31	PCE16IT038	III Year	Nashit Hussain .
32	PCE16IT039	III Year	Nidhi Joshi .
33	PCE16IT040	III Year	Nishtha Agarwal .
34	PCE16IT041	III Year	Omendra Singh Shekhawat
35	PCE16IT042	III Year	Prabhav Jain
36	PCE16IT043	III Year	Pradeep Kumar Suthar
37	PCE16IT045	III Year	Pranay Bafna .
38	PCE16IT046	III Year	Pratik Chouhan .
39	PCE16IT047	III Year	Punit Kumar .
40	PCE16IT049	III Year	Roushan Verma .
41	PCE16IT050	III Year	Ruby Sharma .
42	PCE16IT051	III Year	Sagar Goyal .
43	PCE16IT053	III Year	Sanju Solanki .

  
**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.  
 Director

44	PCE16IT054	III Year	Sarang Jain .
45	PCE16IT055	III Year	Saurabh Kumar Pandey
46	PCE16IT056	III Year	Shivangi Sharma .
47	PCE16IT057	III Year	Shubham Jain .
48	PCE16IT058	III Year	Siddharth Jain .
49	PCE16IT060	III Year	Tanushree Rathore .

## FEEDBACK ANALYSIS

SESSION FEEDBACK ANALYSIS								
Sr.no .	Attributes	Total Feed Back	Total Feed Back- 40					
			>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	Do you think session was useful for you?	40	Yes	No	Partial	---	---	Remark
			35	0	5	0	0	Objective Achieved (90.00%)
			90.00	0.00	10.00	0.00	0.00	
2	Did you receive all the information you expected by the session?	40	Yes	No	Partial	---	---	Remark
			37	0	3	0	0	Objective Achieved (93.33%)
			93.33	0.00	6.67	0.00	0.00	
3	Opinion on Rating the speaker for the session	40	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			40	0	0	0	0	Objective Achieved - Outstanding & Excellent (100%)
			100	0	0	0.00	0	
4	Audience Query Response by the Speaker	40	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			40	0	0	0	0	Objective Not Achieved (100%)
			100	0	0	0	0	
5	Overall experience about the Session	40	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			32	4	4	0	0	Objective Achieved - Outstanding & Excellent (83.99%)
			83.99	7.34	7.34	0	0	
6	Would you like to attend future Alumni Session conducted by the department?	40	Yes	No	---	---	---	Remark

