

## Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal

Accredited with 'A' grade by NAAC



Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), accredited with 'A' grade by NAAC, established in the year 1998 is truly a picture of modernization offering learner-centric programmes in Engineering, Pharmacy, Architecture & Management. University is sprawled over a vast campus of 241.4 acres, marching towards development into a center of excellence in the arena of Technical Education, Research and Innovations. Under its umbrella there are 05 UTD's 188 affiliated Engineering Colleges, 69 Pharmacy Colleges, 25 MCA Colleges and 05 Architecture colleges imparting Graduate level instructions running 23 under graduate level courses & 84 post graduate level courses. Situated amidst an aesthetic and hilly surrounding, the University is also offering Ph.D. in eight faculties.

RGPV has been selected by Ministry of Human Resource Development (MHRD) as one of the Affiliating Technical Universities (ATUs) among ten across the country for receiving TEQIP-III grant. The main objective of Faculty Development Program (FDP) is to improve quality and equity in engineering teachers in order to up-grade the knowledge, enhancing research and teaching skills.

Chief Patron	Prof. Sunil Kumar Vice Chancellor, R.G.P.V. Shri J.N Chouksey Chairman, LNCT Group
Patron(s)	Mrs. Poonam Chouksey, LNCT Group Dr. Anupam Chouksey, Secretary, LNCT Group
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### Venue

Department of Computer Science & Engineering,  
Lakshmi Narain College of Technology Excellence  
(LNCTE), Bhopal  
Kalchuri Nagar, Raisen Road, Bhopal 462 021, (MP)  
Mobile no. 8989263073, 8269055729 Phone: +91-755-3985300

## Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal

Accredited with 'A' grade by NAAC



One Week

**FACULTY DEVELOPMENT PROGRAMME**

on

**“Internet of Things & Big data”**

3<sup>rd</sup> – 7<sup>th</sup> June 2019

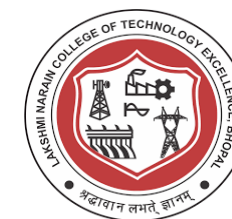
Organised by

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Under

**TEQIP-III**

at



Department of Computer Science & Engineering

**Lakshmi Narain College of Technology Excellence**

Kalchuri Nagar, Raisen Road ,  
Bhopal 462 021, Madhya Pradesh

## Course Objective

The Internet of Things (IOT) refers to the ever growing network of physical objects that feature an IP address for internet connectivity and the communication that occurs between these objects and other Internet-enabled devices and systems.

## Course Contents

### Introduction to IoT

- Arduino and its Programming
- Interfacing sensors and actuators to Arduino
- Introduction to Internet of Things (IoT)
- Wireless communication technologies and protocols for IoT
- Implementing IoT with Arduino
- Introduction to Raspberry Pi
- Programming RaspberryPi with Python
- Implementing IoT with RaspberryPi.
- Zigbee and IOT based systems
- Applications of IoT - Case Studies, Applications of IoT in electrical energy storage, IoT based smart Industries and factories, IoT based Smart Grid, Smart Cities and Public Places
- Introduction to Green Energy, and Applications

## About Organizing Institute & Department



With a clear vision of “Developing this institute into a center of excellence in the country with global standards”, LNCTE was started in the year 2007 with 4 engineering branches (EC, EX, IT, CS). Subsequently 3 more programs are added (Mechanical, MBA & M.Tech.). LNCT Group offers program from Diploma, Bachelor, Master's and Doctorate-level programs. With campuses in five locations in Madhya Pradesh & Chhattisgarh including the cities of Bhopal, Indore, Gwalior, Jabalpur and Bilaspur LNCT Group of College to meet the ever increasing demands for higher education in India, LNCT Group is one of the Group institutes of its size in the India to offer program in 5 varied field of study: Engineering, Management, Pharmacy, Medical, Homeopathy, Dental and recurring and professional studies, Education is not the only area we work in. We also take responsibility for the improvement of community around us. This instils in the students a feeling of responsibility and concern and makes them comprehend the world a bit better. Each one is better endowed to face the world and the satisfaction of having fulfilled their social responsibility is an added bonus. LNCT Bhopal campus is the historic campus in Bhopal, which dates from 1994. The L.N Medical College & Research Centre located at Bhopal, MP. It is a part of LNCT Group of College, which are runs a hospital with 750 Beds and Medical courses affiliated with Barkatullah University, All group institutions have the finest relations among the industry and academics. Today, prospective students will find 58 undergraduate, graduate as well as post graduate programs. People who wish to pursue a career in Engineering, Management, Pharmacy, Medicine, Dentistry and Nursing.

## Registration Form

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Bhopal**

**One Week**

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Under

**TEQIP-III**

1. Venue: *Laskhmi Narain College of Technology Excellence*
2. Name:.....
3. Designation:.....
4. Organization: .....
5. Phone No. ....
6. Email id .....
7. Accommodation required (Y/N):.....

Signature of Applicant with date

Signature

(Sponsoring Authority)

A Scanned copy of filled form can be sent by e-mail to [teqip@lnct.ac.in](mailto:teqip@lnct.ac.in) for online Registration visit [www.lnct.ac.in](http://www.lnct.ac.in)