



**DST FUNDED**

**3-Days Workshop on**

**“Sensor Networks, Internet of Things (IoT) and Internet of Everything”**

**Department of Statistics**

**Pachhunga University College, Aizawl, Mizoram**

**11-13 September, 2019**

**PACHHUNGA UNIVERSITY COLLEGE (UGC College with Potential for Excellence)**

## **ABOUT THE COLLEGE**

The college was established on 15th August 1958 as ‘Aijal College’ to become the first institution of higher education in Mizoram. Pachhunga University College is the Constituent College of Mizoram University. The college is accredited A+ (Cgpa-3.51) in 2016 and also selected as College With Potential for Excellence. The college caters Undergraduate degree course in Arts, Science and Commerce. The college also has 6 add on courses and UGC-Community College- Diploma in Mushroom Cultivation.

## **ABOUT THE WORKSHOP**

The use of sensors is familiar to citizens as they are incorporated in many devices including smart phones, vehicles, appliances, smart watches, among others. The use of sensor networks is spreading faster everyday, and some examples are their application in agriculture, health, energy, environment, industry, smart cities, etc. These sensors are usually part of a set of sensors, which are interconnected with each other, and usually with a coordinating (sink) node. Depending on the application and the types of sensors that interact or from which information is collected, the links will be established using different standards depending on requirements: range, bandwidth, power consumption, etc.. Due to its configuration flexibility and lower deployment cost, wireless sensor networks have become the most popular.

## **SCOPE**

This workshop intends to be the meeting point of researchers and practitioners to share experiences and ideas on innovative developments in any aspect of sensor networks, including Hardware of Sensor Networks, Wireless Communication Protocols, Sensor Networks Software, Hardware and Architectures, Wireless Information Networks, Channel Characterization, Data Manipulation, Signal Processing, Localization and Object Tracking through Sensor Networks, Modelling and Simulation, Applications and Uses.

## **TOPICS**

- Observing Cyberspace through Darknet technology. These will focus on some of the recent security concerns and large-scale cyber attacks launched by exploiting IoT /sensor devices and how we could watch the cyberspace to gather intelligence on such attacks.
- IoT Systems and Protocols.
- Other related topics, etc.

## **TENTATIVE SPEAKERS**

1. **Dr. Kota Solomon Raju**, Principal Scientist, IOT, CPS, CSIR- Central Electronics Engineering Research Institute, Central Electronics Engineering Research Institute(CSIR-CEERI), Pilani, Rajasthan- 333 031.
2. **Dr. V Anil Kumar**, Principal Scientist, Department of High Performance Computer and Cyber Security Group, CSIR Fourth Paradigm Institute(CSIR-4PI), NAL BELUR CAMPUS BANGLORE- 560 037, Karnataka.

3. **Dr Arvind Pandey**, Associate Professor and Head, Department of Statistics, Central University of Rajasthan, Rajasthan.
4. **Dr. Krishna Kumar Mohbey**, Assistant professor, Department of Computer Science, Central University of Rajasthan, Rajasthan.
5. **Dr. Deeksha Tripathi**, Assistant professor, Department of Microbiology, Central University of Rajasthan, Rajasthan.

## ORGANIZERS

Coordinator	Mr Lalpawimawha
Co-coordinator	Dr Anupam Kumar
	Dr Lalmuanpuia Vanchhawng
	Mrs Jessica Lalmalsawmi
	Mr Lalmachhuana
	Mr Isaac Lallawmzuala

## ADVISORY COMMITTEE

Dr Tawnenga	Principal, PUC
Dr Shahsi Bhushan	H.O.D. DSMNR University, Lucknow
Dr Jitendra Kumar	CURAJ
Prof B.Zoliana	Principal, GZRSC

## HOW TO APPLY

Application form may be downloaded from the college website [pucollege.edu.in](http://pucollege.edu.in) or [mzu.edu.in](http://mzu.edu.in) and send by email at [lmuanpuia@gmail.com](mailto:lmuanpuia@gmail.com) or [lalpawimawha@pucollege.edu.in](mailto:lalpawimawha@pucollege.edu.in) on or before 10<sup>th</sup> September, 2019.

## REGISTRATION AND GRANTS

No registration fee will be charged to the candidates. For candidate's participants from outside Aizawl, certain fix amount for TA and accommodation will be provided by the organizer.

## TARGET PARTICIPANTS

Faculty/ Research scholar/ M.Sc./ B.Sc./ MCA/BCA students from universities/institutes and colleges are all invited to participate in the workshop. The target number of participants is 50. Preference will be given to person(s) belonging to Schedule Tribe (ST) community if the number of applicants exceeds 50.

## PAPER SUBMISSION

Any interested person(s) may submit abstract for oral/poster presentation to the above given email. All accepted paper will be published in workshop proceedings, under an ISBN reference on eBOOK.

**Abstract submission last date:** 2<sup>nd</sup> September, 2019

**Date of notification:** 6<sup>th</sup> September

**Submission of full manuscript:** 10<sup>th</sup> September, 2019



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### REGISTRATION FORM

Name(IN CAPITALS): \_\_\_\_\_

Age: \_\_\_\_\_ Gender: Male/ Female \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

University/Institution/College: \_\_\_\_\_

Complete Address: \_\_\_\_\_

\_\_\_\_\_

Email: \_\_\_\_\_

Mobile: \_\_\_\_\_

Accommodation Required: Yes/ No \_\_\_\_\_

ST/SC/OBC/Other: \_\_\_\_\_

Place:

Date:

Signature of the Applicant

Note: Please send fully filled registration form to any one of the email given [lmuanpuia@gmail.com](mailto:lmuanpuia@gmail.com) or [lalpawimawha@pucollege.edu.in](mailto:lalpawimawha@pucollege.edu.in)