TWODAYS NATIONAL WORKSHOP ON
INTERNET OF THINGS

The department of computer science conducted two day national workshop on Internet Of Thing on 28,29 February 2020. The programme inaugurated by the principal Dr. K. K. Muhammed Kutty. HOD Sri. Muhammed Shafi presided over the function. Dr. Minimol V K delivered the welcome speech. All other faculty members and other staff were present in the function.
Internet of Things (**IoT**) is presently a vibrant part of technology in the world. It has spread into most of the businesses in the modern world and become an integral and part of our daily lives.
IoT, is a system of interrelated computing devices, mechanical and digital machines, objects, animals and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

The Internet of Things (IoT) has evolved from the convergence of wireless technologies, micro-electromechanical systems and the Internet. By connecting –things- in the real world such as cars, buildings, and industrial equipment, IoT promises to revolutionize how we live and work. A lot of industries are beginning to adopt this technology on to their operations to increase their productivity and improve efficiency.

This program aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This program serves as a platform for research scholars, faculty, engineers and students to interact on cutting edge technologies in IoT. This workshop gives Hands on experience on IoT.

TWO DAY NATIONAL HANDS-ON WORKSHOP

INTERNET OF THINGS (IoT)
2020 FEB 28-29

ORGANIZED BY
DEPARTMENT OF COMPUTER SCIENCE
NAM COLLEGE KALLIKKANDY
(Govt Aided College, Under Kannur University)
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About the workshop

Internet of Things (IoT) is presently a hot and happening technology in worldwide. It has spread into most of the businesses in the modern world and has become an integral and inevitable part of our daily lives. Government, academia, and industry are involved in different aspects of research, implementation and business with IoT. It is the extension of internet connectivity into physical devices and everyday objects. This technique will improve public safety, intelligent tracking in transportation, industrial wireless automation, machine to machine communication and personal health monitoring in healthcare with better information and faster communication. In the consumer market, IoT technology is most synonymous with products pertaining to the concept of the "smart home", covering devices and appliances. The IoT concept has faced prominent criticism, especially in regard to privacy and security concerns related to these devices and their intention of pervasive presence. Therefore, it is very important to learn the fundamentals of this emerging technology. This workshop introduces you to the amazing world of IoT and its fascinating applications and various research areas in communication, automation, smart sensor, networking and internet protocol.

Objective

- Knowing new platforms in Internet of Things.
- Scope for future jobs in various industries.
- Introduction and description of core concepts of IoT, role and scope of smart sensors for insuring convergence of Technologies
- Identifying research opportunities in IoT technology, applications and services
- Help you one get acquainted with IoT in the early stage.

Registration

- There is a registration limit of 40 participants for this workshop (priority given Faculty and Scholars, based on FCFS basis).
- Participants may register your Name, College address , Email and Mob No through email and also through the given link.

  Email for registration: shameerap@gmail.com
  Link: https://forms.gle/21491vM99UaChgKS

Participants

All Faculty Members	Industry Delegates
Research Scholars	Students [BTech/MTech,MPhil, MSc/ BSc Computer Science, Physics, Maths, etc]

Workshop Highlights

- Introduction to IoT.
- Introduction to Cloud Computing
- Networking, Communication Protocol
- NODE MCU Hardware
- Introduction to Sensors and Actuators
- Hardware and Software technology
- Research issues in IoT
- Simulating Multi Hop network in Cooja
- Setting up mobile scenario in Cooja
- Simulating MAC and routing Protocol in Cooja
- Graph generation from wireshark
- Configuring and setting up real WSN testbed
- Architecture of IoT.
- IoT Securities
- WSN Deployment Architecture
- Server Communication
- IoT Server

Registration Fees

Industry Delegates	: Rs. 750	Registration closes	: 15-Feb-2020
Faculty Members	: Rs. 600	Intimation to participants	: 20-Feb-2020
Research Scholars	: Rs. 500	Date of workshop	: 28-29 Feb 2020
Students	: Rs. 300		

Resource Persons

Prof. V C Diniesh,
Assistant Professor, Kongu Engineering College , Perundurai, Erode, Tamilnadu.

Dr. M Joseph Auxilius Jude,
Assistant Professor (Senior Grade),
Kongu Engineering College , Perundurai, Erode,Tamilnadu.

Participants are requested to bring Linux/Ubuntu OS installed laptop for the workshop

Accommodation
No accommodation facility to delegates. If needed, we will arrange guest house near college on a payment basis.

Contact Persons

Convenor & Organizing Secretary
Lt Shameer A.P, Assistant Professor, Department of Computer Science
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Co Convenor
Dr. Haseeb V V, Asst. Professor , Department of Computer Science, Mob: 9349534034
Dr. Minimol V K , Asst Professor, Department of Computer Science, Mob: 9496463246
Sreeja K V , Asst Professor,   Department of Computer Science, Mob: 9745560650

More Contact Details
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The HOD, Department of Computer Science, NAM College Kallikkandy
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WORKSHOP ON WEBDESIGNING

The PG department of Computer Science conducted one day workshop on web designing for high school students. The programme was at Kadavathoor high school. It is an extension programme by the department. The classes were handled by final year students of Computer Science department. Dr V.K. Minimal co-ordinate the programme. The students were participated actively. They captures the code writing in HTML very fast and they designed simple web pages.