



TKM Institute of Technology



(Approved by AICTE, New Delhi & affiliated to Kerala Technological University)
Musaliar Hills, Karuvelil P.O., Ezhukone, Kollam - 691505, Kerala, India
Phone : +91 474 2482833, +91 474 2482083 Fax : +91 474 2483715
E-mail : principal@tkmit.ac.in Website : www.tkmit.ac.in

07/03/2020

Report on VORTEX 2.0

The Department Of Computer Science And Engineering in association with Association of Cyber Experts, department association , conducted two days workshop –*VORTEX 2.0* which covered topics *HELLO JARVIS-PERSONAL ASSISTANT* and *BLOCK CHAIN TECHNOLOGY* on 04/03/2020 and 05/03/2020 .

The schedule of inaugural session is given below:

PROGRAMME SCHEDULE

Venue	: Seminar Hall
Inaugural Session	:9.30 am
Silent prayer	
Welcome speech	:Ms. Leena.Y (HOD, Dept. of CSE, TKMIT)
Presidential Address	:Dr.Jose Prakash.M (Principal, TKMIT)
Inaugural Address	: Dr. Chithra.S - IAS (Director, Kerala State IT mission)
Release of magazine	:Dr. Chithra.S - IAS (Director, Kerala State IT mission)
Vote of Thanks	:Mr. Shibir Hussain (Chairman, ACE)
Talk on MAPATHON	:Ms.Kalaraj.S (Technical Officer ,GIS)

Poster of the event:

TKM INSTITUTE OF TECHNOLOGY

T.K.M. Institute of Technology was established by the T.K.M. College Trust and is located on a verdant 25-acre campus known as Musaliar Hills at Karuvelil, Kollam. The campus is about 23 km from Kollam City and about 3 km from Cheerankavu junction on NH 208, the Kollam – Madurai National Highway. The T.K.M. Institute of Technology started functioning in the year 2002. The institute is approved by AICTE and is affiliated to APJ Abdul Kalam Technological University. The Institute offers B-Tech programmes in six disciplines namely Biomedical Engineering, Food Technology, Civil Engineering, Computer Science & Engineering, Electrical and Electronics Engineering, Mechanical Engg. & two post graduate programmes in Computer & Information Science, VLSI & Embedded System.

DEPT. OF COMPUTER SCIENCE

The Department of Computer Science and Engineering was established in the year 2002 with an undergraduate program and one Post Graduate Programme in Computer and Information Science. The department has been continuously extending its developmental activities to offer high standards of quality in teaching. The Computer Association, known as **ACE (Association of Cyber Experts)**, of the department provides a high level of interaction between students and faculties. The Association is releasing a fortnightly magazine 'Smart Talk' which concentrates on the latest development in the computer world. The association conducts various seminars, workshops, paper presentations and guest talks.

"programmers are tools for converting
caffeine into codes..."

Register at : bit.ly/VORTEX-20



vortex2.0
INCEPTION OF INNOVATIONS

4 & 5 MARCH 2020

organised by :

Dept. of
Computer Science
& Engineering



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Institute of Technology

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- Inauguration: The event inaugurate by Dr. Chithra.S – IAS



- The magazine Smart Talk was released by Dr. Chithra.S – IAS



- Ms. Kalaraj. S , Technical Officer ,GIS talked about Mapathon which is a project coordinated by Kerala State IT Mission.



Janab K Shahir, Administrator TKM Institute of Technology handed over the memento to the chief guest.



- The inaugural session winded up by 11 am.

The technical session started by 11.30 am at the corresponding venues

- HELLO JARVIS-PERSONAL ASSISTANT-Edusat Theatre
- BLOCKCHAIN TECHNOLOGY-First Year Laboratory

HELLO JARVIS-PERSONAL ASSISTANT

Resource person : Shyam Pradeep Alil
Chief Operations Officer
Infusory Future Tech Labs Pvt Ltd
Btech Electrical and Electronics Engineer
Patent holder

Topics Covered : Introduction to IoT
Programming in Node MCU
Interfacing output devices with Node MCU
Controlling devices using NodeMCU
Introduction to MIT app inventor
Developing android app
Connecting Android app with Node MCU
Developing voice command controls
Including personalised voice commands



BLOCKCHAIN TECHNOLOGY

Resource Person	:	Athil Gafoor Co Founder / Lead Block chain Engineer Phaethon Technologies Pvt Ltd B.TECH/ Certifications on Blockchain Development & Architecture
Topics Covered	:	Basics of Block chain - History, Features, Consensus Protocols, Block chain Versions Technology Exposure - Basic Cryptographic Concepts, Ethereum World Computer Overview of Block chain - Various Block chain networks Intro Hyperledger Umbrella Projects - Sawtooth, Validator, Transaction processor Advanced Blockchain - Dapps development or Idea pitching



- Feedback were collected from the students and the resource persons clarified all their queries
- The two day event was winded up successfully by 4.00pm in the second day of the event

Outcomes of the event:

The students are able to understand

- IoT
- Programming in Node MCU
- Interfacing output devices with Node MCU
- Controlling devices using NodeMCU
- MIT app inventor
- Developing android app
- Connecting Android app with Node MCU
- Developing voice command controls
- Including personalised voice commands
- Basics of Blockchain - History, Features, Consensus Protocols, Blockchain Versions
- Basic Cryptographic Concepts, Ethereum World Computer
- Various Blockchain networks
- Hyperledger Umbrella Projects - Sawtooth, Validator, Transaction processor

Prepared by: Ms. Jomy George, Staff Advisor and Treasurer, ACE