AICTE TRAINING & LEARNING (ATAL)

ACADEMY SPONSORED

5 DAYS FACULTY DEVELOPMENT PROGRAM

ON

"INTERNET OF THINGS"

(THEME: - ONE STEP AHEAD OF CLOUD COMPUTING WITH IoT SERVICES)

4TH – 8TH JANUARY 2021

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G H PATEL COLLEGE OF ENGINEERING AND TECHNOLOGY
V V NAGAR

A BRIEF REPORT

ORGANISED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
G H PATEL COLLEEG OF ENGINEERING AND TECHNOLOGY
(A CONSTITUENT COLLEGE OF CVM UNIVERSITY)

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ABOUT INSTITUTE:

G H Patel College of Engineering & Technology (GCET) was established in 1996, one of the premier self-finance Institute of Gujarat State as per the norms of AICTE by Charutar Vidya Mandal trust. Currently the institute is running with eight (08) disciplines at under-graduate level and nine (09) at post graduate level. The institute has excellent infrastructural facilities with ultra-modern laboratories. The institute owns highly competent and dedicated pool off faculty members. According to the latest Times Engineering survey, GCET ranks 2nd position in top self-finance colleges of Gujarat and 59th in the country. GCET was affiliated to Sardar Patel University from the year 1996 to 2008 later on from the year 2008, Institute is affiliated to Gujarat Technological University. New admission from academic year 2020-21 are done under the Charutar Vidya Mandal University (CVMU).

ABOUT DEAPRATMENT:

Department of Electronics & Communication was started in 1997. Post Graduate courses were started in Communication Engineering and Embedded Systems in 2007 and 2013 respectively. Right from its inception it is continuously striving to impart quality education and promoting competitive spirit among students for academic excellence. The department has well equipped laboratories with good infrastructure and highly qualified as well as experienced faculties. The department has organized various International conferences, workshops, seminars for the benefit of engineering students, faculty members and professional engineers. Department received AICTE – MODROB grant for IoT & WSN laboratory, and R&D project grant worth rupees 20 lakhs from various agencies like GUJCOST and CSIR. The Department has been accredited by NBA for 6 years since 2015.

ABOUT FDP:

Internet of Things offers advanced connectivity of devices, systems, and services that goes beyond machine-to-machine communications and covers a variety of protocols, domains, and applications. This STTP covers the current Industry Trends in IoT which encompass a wide range of skills that are integral and necessary part of everyday business, day to day life or work environment.
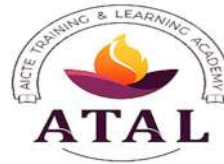
INAUGURAL CEREMONY:

Welcome & Invocation
Dr Kavindra R Jain
Principal Address
Dr Himanshu B Soni, Dean CVMU
Department & FDP at a Glance
Dr Hitesh B Shah, FDP Coordinator
Address by Guest of Honor
Dr. Rahul Johari
Presidential Address
Er. Shri Bhikubhai Patel, Chairman
CVM
Vote of Thanks
Prof. Nirav P Desai

SESSION 1

Cloud Computing: Applications, Challenges and Open Issues - Dr Rahul Johari

SESSION 2

Cloud Computing: Models and Scalability – Er. Abhishek Kothari

SESSION 3

Architecture and Scalable Services Using AWS – Prof. Sandeep Patel

SESSION 4

Role of Data Analytics in Cloud Computing – Dr Sumit Kalra

SESSION 5

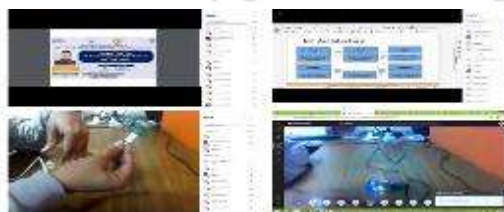**IoT Enabled Multidisciplinary Research – Dr R Chinnayan**

SESSION 6

Virtual Private Cloud: IOT based Applications – Prof. Nirav Desai

SESSION 7

(IoMT): Architecture, Open Research Issues and Challenges – Dr. Dhaval Patel

SESSION 8

Role and impact of Wireless Sensor Network in IOT – Dr Himanshu B Soni

SESSION 9

A Practical Approach WSN Protocols and Think Speak – Mr. Pranav Tyagi & Er. Gaurav Singh
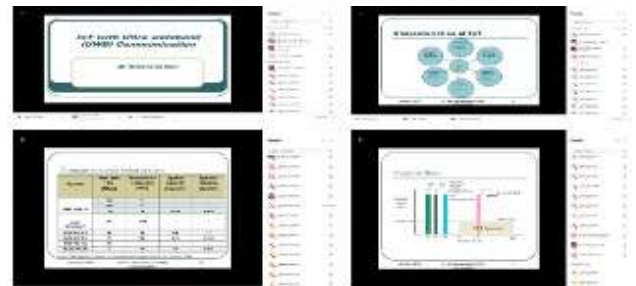
SESSION 10

Virtualization and Cloud computing – Dr. Sameer G Kulkarni

SESSION 11

WSN & Data Analytics – Dr. Nirbhay Chaubey

SESSION 12

Security Aspects of WSN – Dr. Devesh Jinwala

SESSION 13

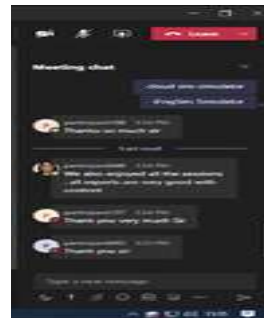**SPRITUAL COMPUTING – Pujya Apurvamuni Swami**

SESSION 14

MiCEF with Hands-on Simulation Using CloudSim Simulator – Dr. Rahul Johari

GROUP PHOTO SESSION & FEEDBACK

Feed Back In Chat Box :- All Sessions Were Very Resourcefull With Excellent Content Based On Respective Topics Of Speakers