SHAH   KHUSHALI   ARVINDBHAI

ASSISTANT PROFESSOR

ELETRONICS & COMMUNICATION DEPARTMENT

A.D.PATEL INSTITUTE OF TECHNOLOGY

NEW VALLABH VIDYANAGAR

EMAIL: ec.khushali.shah@adit.ac.in

CONTACT:9033281416

Academic Background:

BE (Electronics) (2000-2004)	Biral Vishwakarma Mahavidyalaya, Sardar Patel University,V.V.Nagar
ME(Electronics & Communication Systems) (2005-2007)	D.D Institute of Technology, Dhramsinh Desai University,Nadiad

Work Experience:

A.D.Patel Institute of Technology, New Vallabh Vidyanagar, **Assistant Professor** (Electronics & Communication Department)- 7th May onwards

Publication:

(i)   Temperature Data Acquisition System on Chip by K A Shah ,M R Gandhi, Dr V K Thakar IE(I) Journal –ET,Volume 90 January 2010 page 38-41. ISSN 0251-1096

(ii) Performance evaluation of AODV Routing Protocol with Link Failures by K.A.Shah, M.R.Gandhi in IEEE international conference on computational intelligence and computing Research, Tamilnadu college of engineering, Coimbatore on 28-29 Dec 2010 page 277-281 ISBN: 978-1-4244-5966-7.

(iii) Paper titled" Data Acquisition, Controlling and Wired Remote Data Display" by *Vishvjit* Thakar, Khusali Shah, Chetan Bambhroliya, Darshan Barot and Bipin Patel in ADIT journal. ISSN: 973366

(iv) Channel Assignment in Multi hopping cellular Network by Mikita Gandhi, Khushali Shah, Mehfuza Holia, Ami Shah published in National Conference on Recent Trends

in Engineering & Technology,13-14 May -2011, BVM Engineering College ,V.V.Nagar, Gujarat ,India (ISBN No.   : 978-81 -921358-3 -0)

Consultancy:

Title: Auto lighting System for Transpek Industries Pvt. Ltd, Vadodara,

Amount: 28,500/-

Mentors are V. K. Thakar, R.C.Joshi, Ankit Suthar, V.C.Pandya, B.R.Patel, K.A.Shah

Invited Lectures Delivered/ Workshop Conducted:

(i) Training program on "Automation and Control" for Transpek Industries Pvt. Ltd in 2009-10

(ii) Expert talk on embedded system using PSoC on 22/4/2016 at Girls polytechnic ,Surat

(iii) Programmable system on Chip workshop conducted by BIT on 19th cot'2013 at Babaria institute of Technology, Varnama.

(iv) GTU & C-DAC One day workshop research students and professor on embedded system: SOC based approach- Application and case studies on 25th Jan-2014.

Syllabus Revised for Masters of Engineering:

Subject: Error Control Coding in Communication

Project Guided:

1. Wireless transmitter and receiver using FSK modulation technique by Bipin patel, Chetan Bambhriloya, Darshan Barot. This project is guided as their semester project.

2. Multichannel data acquisition and control system on chip by Bipin patel, Chetan Bambhriloya, Darshan Barot. This project had submitted to competition organized by cypress semiconductor.

3. Programmable logic controller (PLC) using PSoC by R.Jaylakshmi, Radhika Vadodariya, Bhavisha Soni. This project is also submitted to competition organized by cypress semiconductor.

4. Heart beat monitor using PsoC by Kishan Raithata, Alpesh Mandani as their semester project.

5. FSK implementation on PsoC by Amar Lalwani, Sunil Patel, Darshan Vaswani as their semester project.

6. Mutlichannel data acquisition system using PsoC by Hitesh Solanki, Avinash Vaghasiya, Viral Valand.

7. RFID based security system by Sanjay jalondhra, Nishant Rathore

8. Home Appliance Control System by Sanjay jalondhra, Nishant Rathore

9. Wireless control of home appliances by Stuti Shelat.
10. Study of wireless protocol by Patel tejash, Amin Digant, Aashish Shukla.
11. Automatic Car parking allocation System by Jay Suthar,Kishan Patel, Sneh Gandhi.
12. Navigate the Blind by Nayan Patel, Hussain N Bhapal
13. Fixed and variable Regulated power supply by Tejas Patel ,Nikunj Rajde
14. Audio Mixer by Apurva Soni, Bhumin Thakor and Rushi Shah
15. Home automation system with android app by Apurva Soni, Bhumin Thakor
16. Universal Remote using PsoC by Yash patel,Meet patel,Shreya patel, Krishna brahmbhatt
17. Bluetooth based home automation using PSoC Alok Ranjan Harsh patel

Dissertation Guided:

1. An Energy Efficient Routing For Wireless Sensor Network Using Machine Learning Technique by Mayur Bhanderi

Association with Professional Bodies:

Members of Indian society for Technical Education (ISTE)- Membership No: LM 111352

Technical Skill:

Language: C,HTML
Software: MATLAB, SciLab, Arduino ,Xilinx ,
PCB Design: DIPTRACE

Area of Interest:

- Hardware/Software Programming
- IOT based Application
- Wireless Communication
- Computer Networks

Workshop & conference attended :

1   Attended :Certificate course in communication skills through Technology from 14th May to 19th May 2007 at CDC

2   Short term school on "Teaching learning process" on 28th May to 31st May 2007 at ADIT

3   Attended : one day symposium on "adaptive signal processing on 1st march'2008 at GCET

4   Attended :one day symposium on Gujarat technological University Prospect & Retrospect

on 23rd feb'2008

5   Attended :Three day workshop on "Advanced Network Technology with Linux, windows and Microtik during 12th June to 14th June 2008 by IT department at GCET

6   Attended : Two days workshop on Analog-digital design and PSoC on 25-26th sept'2008 jointly organized by IEEE student branch ADIT and SLS corporation V.U.Nagar

7   Attended : one day symposium on signal processing and communication on 5th Dec'2008 at ADIT

8   Attended : Recent trends in Embedded system & its application on 1-3 Jan ,2009 at SVIT , Vasad

9   Attended :one day symposium on signal processing , Image processing and communication on 18th april,2009 at ADIT.

10   Attended : one day symposium on Antenna, Microwave and Communication on 1st Aug 2009 jointly organized by IEEE Gujarat Section and IEEE student branch ADIT

11   Attended :one day refresher course on radio frequency & Microwaves held on 17/2/2010 at ADIT

12   Attended : Two days workshop designed and developed by Cypress semiconductor at GEC chandkheda, GTU in the module working Capsense during the period of 4-5 Dec,2010.

13   Attended : IEEE international conference on Computational Intelligence and computing research on 28-29 Dec ,2010

14   Organized : contributed as an organizing committee member in International conference on Information, signal and Communication on 5-6 Feb,2011.

15   Attended: National conference in "recent trends in Engineering and technology" on 13th &14th May 2011.

16   Attended : one day regional seminar on XXI century :Priorities in Technical and Higher Education organized by CVM in association with ISTE &GTU on 3/8/2011.

17   Organized : one day workshop on "antennas , RF circuits and satellite Communications on 25/8/2012 at ADIT.

18   Attended: three days faculty development program on NI LabVIEW and applications from 12/9/2012 to 14/9/2012 with technical support from National Instruments , Banglore at ADIT

19 Attended: one day seminar on MATLAB & simulink for engineering education conducted by Mathworks on 12/07/2013.

20 Organized: organized International workshop on sensor network and wireless communication as a program committee Member on 9,10,11 Oct-2013.

21 Conducted workshop: Programmable system on Chip workshop conducted by BIT on 19th cot'2013 at Babaria institute of Technology, Varnama.

22 Conducted workshop : GTU & C-DAC One day workshop research students and professor on embedded system: SOC based approach- Application and case studies on 25th Jan-2014.

23 Conducted workshop: workshop on PSOC for 5 days for third year EC students on 1/2/2014, 15/2/2014, 1/3/2014,15/3/2014,29/3/2014

24 Organized :two days workshop on MATLAB on 27,28/9/2014 at ADIT

25 Organized : organized first invited talk on "efficient clustering algorithms for cell phone based sensor networks by Dr. Mehul Shah under Mobile & Wireless Technology club on 19/9/2014 at ADIT.

26 Attended : Expert talk on disaster assessment using geo spatial technique on 15th oct'2014 at ADIT.

27 Organized : Organized expert lecture on Probability and Random process for PG students on 7th Dec'2014. Lecture was conducted by Dr.Yogesh Trivedi,Nirma University.

28 Organized : organized as a program committee member on Electronics & ICT: "Marching Towards Smart Society on 24th Jan'2015

29 Organized: organized expert lecture on " Network fundamentals "under Mobile & Wireless Technology club on 5/3/3015 & 31/3/2015 at Room No:141, ADIT .lecture was conducted by Sudarshan N Patel

30 Organized :PCB design workshop for 1st and 2nd year students in TECH-FEST 2015 on 8-9/4/2015 at ADIT.

31 Organized : Event coordinator in ENGG DAYevent TECHNIX'15 for 12/9/2015,13/09/2015 and 15/09/2015.

32 Attended :Spectrum 2016 event coordinator of digilog event for 22/2/2016,23/2016,24/2/2016

33 Attended : Symposium on women empowerment Program organized by CWDC of MBICT in collaboration with ADIT,SMAID, & IICP sponsored by GUJCOST on 15th March,2016

34 Attended : one week FDP on recent trends in wireless & communication and networking February 29-5th march 2016 at BVM.

35 Organized :as event co-ordinator of android app development by prakash Gajjar on 1/4/2016 at ADIT.

36 Delivered a expert talk on embedded system using PSoC on 22/4/2016 at Girls polytechnic ,Surat

37 Volunteer committee incharge in event Electronics 2020 & beyond 16th July 2016

38 Videography coordinator and made press note in Halla bol season –II 8/8/2016

39 Attended : One day organ donation awareness program on 9th sep 2016

40 Industrial Visit at Circuit Systems India Ltd at Gandhinagar with sem- 3 students on 10th sep 2016

41 Attended : entrepreneurship and health awareness for women in Engineering on 17th sept 2016 organized by women in Engineering affinity group

42 Industrial Visit at Polycab Limited , Halol with sem-5 students on 22nd sep'2016

43 Organized : organizing committee member in the organization of 147th Gandhi Jayanti celebration-2016 on 2nd oct'2016 at ADIT.

44 Mentoring group of 7 students in women's day celebration organized by IEEE women in engineering ,IEEE student branch on 8th march'2017 at ADIT

45 Conducted : expert lecture on embedded system using PSoC for lab assistants and faculties from different department on 16th Dec'2017 in room no :305

46 Attended :ISTE State Annual faculty convention 2017 at ADIT on 30/12/2017

47 Organized: expert talk on "future scope after engineering by kunjan shah on 6th Jan'2018 under IEEE Student branch.

48 Committee member of FDP on" Faculty Development Programme on Entrepreneurship Development at ADIT during 5th-7th March,2018.

49 Brain storming session on how to identify real world problem on " 27th june 2018
    And role of faculty advisor in student counselling on 30th june 2018.
50 KIA workshop on skills for student parenting and Team creativity @ workplace on 13/12/2018 and 17/12/2018
51 Webinar on Netsim software on 1/2/19 organized by ADIT

52 Event faculty coordinator in circuit Chakravyuh in spectrum '19 National Level Techfest on 20& 21 Feb'19

53 Women's day celebration on 8/3/19

54 Gujcost sponsored workshop on Applications of MATLAB software in other engineering disciplines by MBIT on 18/6/2019 and 19/6/2019

55 KIA workshop on domain knowledge organized by HM Patel carrier development centre on 21/6/2019 and 22/6/2019

56 FDP on Universal Human values organized by AICTE at BVM, 1,2,3/7/2019.