GIDC DEGREE ENGINEERING COLLEGE
FACULTY PROFILE

Name of Teaching Staff	KETAN KHANDUBHAI LAD		
Designation	ASSISTANT PROFESSOR		
Department	ELECTRICAL		
Date of Joining	15/07/2013		

Qualifications with Class/Grade	UG	PG	PhD
	B.E Electronics & communication	M.E. Electronics & communication with first class & Distinction	

Total Experience in Years	Teaching	Industry	Research
	6 Years	1 Year	

Area Of Interest	Microcontroller application, Embedded system, Analog electronics		

	National		International	
Papers Published in Journals	National		International	5
Papers Presented in Conferences	National		International	6

| Detail Of Publication | Journals:-

1. Published a paper on "Design Low Cost Smart Card Based Prepaid Energy Meter" in International Journal of Science Technology & Engineering, vol 2, issue 11, May-2016.

2. Published a paper on "Analytic Different Approach Of Mathematical Modelling And Simulation Of The Dc Motor Using Matlab-Simulink", IJCMS, Page No-43-48.ISSN:2346-8527.Vol. 5, Issue 10, Oct-16.

3. Published a paper on "Wireless Home Automation System using Android", in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Impact Factor: 5.621, ISSN: 2278 – 8875, Page no: 908-912, Vol. 6, Issue 2, February 2017.

4. Published a paper on "Real time vehicle tracking & protection system using microcontroller", IJEECS, Vol. 7, Issue 3, Page no-448-451, ISSN: 2348-117X, Mar-18.

5. Published a paper on "Patient health monitoring system using GSM", IJOAASE, Vol. 6, Issue 13, Page no-1-5, ISSN: 2320-6144, May-18.

Conferences:-

6. Presented a paper on "Analysis of latest small size full adder circuits" in national conference eTrendZ-2011 at Bhopal.

7. Presented a paper on "Implementation of FIR using different number system" in national conference pepcci-2012 at Vasad

8. Presented a paper on "Implementation of FIR filter using logarithmic number system" in international conference ICIKR-ETS-2012, ISBN:978-81-906220-3-5 at Rajkot, Page no:1205-1208.

9. Presented a paper on "Analytic Different Approach of Mathematical Modelling And Simulation Of The Dc Motor Using Matlab-Simulink", Page No-122-127. ICIRESM-16, IETE, On 9th October 2016. ISBN: 978-81-932712-8-5.

10. Presented a paper on "Real time vehicle tracking & protection system using microcontroller", EMSSH-2018, Page no-50-53, ISBN: 978-93-87433-18-2, Mar- |

		18. 11. Presented a paper on "Patient health monitoring system using GSM", EMSSH-2018, Page no-50-53, ISBN: 987-93-87793-28-6, May-18.
	STTP/WORKSHOP/ CONFERENCE / SEMINAR Organized or Participated	PARTICIPATED **STTP: -** 1. Attended one week STTP on "Exploring 32-bit microcontroller for power electronics application", during 21st -25th , Dec,2015. Organized by: Electrical Engineering Department, SVNIT, Surat 2. One week STTP on Recent trends of Mathematics in Science & Technology during 2-6 January, 2017 at GDEC, Navsari. **WORKSHOP:-** 1. Attended one day workshop on "Moodle" on 29TH September, 2015. Organized by: Computer dept, GDEC, Navsari. 2. Attended three days' workshop on "ARMcortex-M4 Microcontroller based Power Electronics System Development" organized during 24- 26, February, 2017 at SVNIT, Surat 3. Attended one day workshop on "Ideation strategy for creative innovation" on 20th, Deccember-2016. Organized by: GTU, Chandkheda. **SEMINAR:-** 1. One Day seminar on "MATLAB programming:series-1" on 17th, september-2016. Organized by: ASH dept, GDEC, Navsari. **Faculty Development Program:-** 1. Attended two day FDP on "Design engineering" during 18th -19th, Oct- 2016 at GDEC, Navsari. 2. Attended five day FDP on "VLSI Systems Design and Implementation" during 15th -19th, May- 2018 at SVNIT, surat 3. Attended five day FDP on "Digital CMOS circuits & devices" during 22nd -26th, May-

2018 at SVNIT, surat

ORGANIZED:-

WORKSHOP:-

1. Workshop on "**Various Industrial Application Development Using Microcontroller**" for 3rd year students of 2013 batch was organized for two days(1st & 2nd, April, 2016). Total 49 students participated in this workshop. The workshop was organized by Prof. Dhaval K. Patel and Prof. Ketan K. Lad.

2. Workshop on "**Industrial Electrical Engineering**" for 3rd & 4th year Electrical Engineering Students was organized for three days that is 15th - 16th & 30th July, 2016. Total 55 students participated in this workshop. The workshop was organized by Prof. Dhaval K. Patel, Prof. Ketan K. Lad & Rahat Electric Works.

3. Workshop on "**Circuit simulation & PCB design**" for 3rd year Electrical Engineering Students was organized for Two Days 2nd & 3rd September, 2016. Total 44 students have participated in this workshop. Workshop was organized by Prof. Ketan K. Lad, Prof. Dhaval K. Patel, Prof. Rohit B. Damor and Prof. Khyati K. Naik.

4. Workshop on "**Circuit simulation & PCB design**" for 4th year Electrical Engineering Students was organized for Two Days 17th & 19th September, 2016. Total 33 students have participated in this workshop. Workshop was organized by Prof. Ketan K. Lad, Prof. Dhaval K. Patel, Prof. Rohit B. Damor and Prof. Khyati K. Naik.

Projects Guided	
	1. Design Low Cost Smart Card Based Prepaid Energy Meter
	2. Hybrid Quadcopter
	3. Smart irrigation system with help of GSM
	4. Solar based irrigation system
	5. Underground cable fault detector
	6. Remote monitoring of transformer parameters and protection using GSM
	7. Patient health monitoring system using GSM
	8. Vishwakarma yojna phase-IV (Village development program)

	Professional Memberships	Life time member of "Indian Society For Technical Education" (ISTE). Member no. - LM-114406.

	Administrative Responsibilities:	Department Exam coordinator, Member of Discipline committee.