Shailesh Jakodiya
PG IInd year
SGSITS, Indore
D.O.B. :17/06/1995
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Enrollment No. :0801EI18MT14
Department : Electronics and instrumentation
Gender : Male
Specialization: Microelectronics &VLSI design
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Degree / Certificate	University / Board	Institute / School	Year of Passing	CGPA / Percentage
M.Tech	RGPV BHOPAL	SGSITS INDORE	2020	7.00
Graduation	RGPV BHOPAL	SGSITS INDORE	2017	6.55
12th	M.P. BOARD	NEW PINK FLOWER H.S. SCHOOL	2013	73.20
10th	M.P. BOARD	NEW PINK FLOWER H.S. SCHOOL	2011	80.16

Scholastic Achievements

- Secured excellent position in BHARTIYA SANSKRITI GYAN PARIKSHA — 2010
- Qualified MPPET with rank 13211 — 2013
- Qualified GATE-2017 with AIR-3023 — 2017
- Qualified GATE-2018 with AIR- 1971 — 2018
- Attended Short Term Course on Advancements in Microelectronics and VLSI Design sponsored by TEQIIP-III — 2019
- Volunteering in 23rd International Symposium on VLSI Design and Test (VDAT 2019) — 2019
- Short term training program on Design and Development of SYSTEM ON CHIP (SOC) using low power VLSI sponsored by AICTE — 2019

Training

- Vocational training of 15 days from BHARAT SANCHAR NIGAM LIMITED (BSNL), INDORE

- Training in BASICS OF PNEUMATICS AND HYDRAULLIC SYSTEM from INDOGERMAN TOOL ROOM, INDORE

Academic Projects

Automatic plant irrigation system

Nov 2015
Electronics and instrumentation, SGSITS INDORE

DR. R.S. Gamad

- This project more useful in watering plants automatically without any human interference.
- People do not pour the water on to the plants in their gardens when they go to vacation or often forget to water plants. As a result, there is a chance to get the plants damaged. This project is an excellent solution for such kind of problems.
- We use the basic concept in this circuit i.e. soil have high resistance when it is dry and has very low resistance when it is wet.

Fire monitoring and control system

April 2016
Electronics and instrumentation, SGSITS INDORE

DR. R.S. Gamad

- The project has three main systems :- 1) the detection system, 2) the monitoring system and 3) the appliance system
- The detection system operates as the fire detector.
- The appliance system has components like buzzer for alarming and motor pump to stop the fire.
- The entire system is controlled by microcontroller.

Automatic garbage collection system

April 2017
Electronics and Instrumentation, SGSITS INDORE

DR. D.K. Mishra

- This project basically based on "SWACHHA BHARAT MISSION"
- The overall system consist of basically two parts :- 1) Garbage collector, 2) Garbage container
- Garbage collector moving through a series of stops at each house to collect garbage.
- When the garbage container becomes full, a signal is generated and container continues straight to its dumpsite, without stopping at any other house.

M.tech Projects

1) Design of LOW NOISE AMPLIFIER for 5G applications using 180nm technology
2) Design of active inductor
3) Design of passive inductor
4) Design of voltage controlled oscillator using active and passive inductor

Platforms Worked

- **Programming Skills** : C-language, VHDL, Verilog, Mentor graphics front end and back end design
- **Software Skills** : MS Office, MATLAB, Xilinx, Mentor Graphics, CADENCE TOOL, T-SPICE, EAGLE, PCB WIZARD

Courses Undertaken

Core	Breadth
• Fundamentals of measurement system	• Technical English
• Sensors and Transducers	• General Mechanical ENGG.
• VLSI design and Testability	• Introduction to Computer Programming
• Analog & Digital Electronics	• Industrial Engg. & Management