

# SMITHA K G

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## Objective:-

Looking for an opportunity as DFT Engineer to fully utilize my training and skills, while making a significant contribution to the success of the company.

## Work Experience: -

### DFT :

- Worked on Scan insertion, Scan DRC.
- Worked on EDT compression.
- Worked on ATPG pattern generation, ATPG Faults, ATPG Coverage debug.
- Worked on gate level simulation.
- Knowledge on JTAG, Boundary scan and MBIST.
- Completed 6 months training in DFT from VLSIGURU institute.
- Worked for 2 years as an Associate professional software engineer at DXC technology
- Good knowledge on Linux , VMware environment

## Project1: -

Spyglass :

- Debugging clock and async drc rules.

Scan insertion:

- Pre-DFT and Post-DFT Scan DRC debug.
- Solving the flow issues.

EDT compression:

- EDT insertion.

ATPG:

- ATPG DRC debug.
- ATPG pattern generation for stuck-at and transition fault models.
- ATPG low coverage analysis and improvement for Stuck-at and Transition fault models.

Gate Level Simulation :

- Simulation debug without and with SDF.

## Project2: -

Spyglass :

- Debugging clock and async drc rules.

Scan insertion:

- Pre-DFT and Post-DFT Scan DRC debug.
- Solving the flow issues.

EDT compression:

- EDT insertion.

ATPG:

- ATPG DRC debug.
- ATPG pattern generation for stuck-at and transition fault models.
- ATPG low coverage analysis and improvement for Stuck-at and Transition fault models.

Gate Level Simulation :

- Simulation debug without and with SDF.

Tool knowledge: -

Tools	Description
Spyglass DFT	DFT DRC Checks
Tessentscan	Scan insertion and DRC
Tessent TestKompress	Scan compression (EDT)
Tessent Fastscan	Pattern generation(ATPG)
VCS, Verdi, Questasim	Simulation
Cygwin	Linux

- Languages known: Verilog ,C programming.
- Scripting: TCL

Educational Qualification: -

B.E in Electronics and communication from Sahyadri college of Engineering and management (VTU), Mangalore, in the year 2020.

Personal details: -

Date of birth : 10-JUL-1998

Sex : FEMALE

Linguistic abilities : Kannada, Hindi, English

Marital status : Married