

Job Notification Form, IIT Delhi

Company Overview

Name: Samsung Semiconductor

Website: www.samsung.com/semiconductor

Company Type: Core (Technical)

Description: We spark the imagination of device manufacturers with top-of-the-line building blocks of the digital area, powering billions of devices, and through them, touching the lives of people around the world every day.

Samsung promises cutting-edge components services, TCO solutions and technical services with the widest product portfolio in the industry and adds value through our flexibility to collaborate with customers and partners, leveraging resources throughout the product development process.

Job Details

Designation: PHD hiring for 2021 - Analog

Type: Core (Technical)

Place of Posting: Bangalore

Job Details: <https://www.linkedin.com/jobs/view/2370652885/?refId=GETXH3ELTiSom8IVMo0W4Q%3D%3D>

NAND Flash Analog Research Team

Samsung is world-wide leader in NAND Flash Memory with more than 1/3rd market share. The research team in SSIR will be developing analog circuits to be used in next generation memory products. Targeted analog circuits are: Temperature sensors, Charge Pumps, HV Generators, Oscillators, and Supply detectors, and Current detectors.

- Responsibilities: Come up with new design solutions to improve analog circuits' performance in terms of accuracy, power and area.
- Study available literature and identify new architectures which can boost analog circuits' performances.
- Communicate with head quarter in Korea to define target designs and specifications.
- Design, supervision of layout, and verification of analog circuits.
- Complete IP development.

- Experience in analog development including designs of ADCs, DACs, Oscillators, Charge Pump, LDOs, Bandgaps, Op-Amps, Comparators.
- Solid knowledge of deep submicron process and circuit design issues, design for manufacturability and reliability issues
- Effective communication skills to interact with all stakeholders.
- Knowledge of digital circuit design techniques, including but not limited to

counters, timers, state-machines and combinational logic is also required

- Must be highly focused and remain committed to obtaining closure on project goals.

Joining By: 16 December 2021

Salary Details

CTC: 1,000 INR Per Annum

Gross: 1,000 INR Per Annum

CTC Breakup: Please note that the compensation will be decided on a case to case basis (figures entered above are dummy)

Perks / Bonus: All company benefits will be applicable

Selection Process

Resume Shortlist: Yes

Written Test: No

Online Test: Yes

Group Discussion: No

Medical Test: No

Personal Interview: Yes

No. of Rounds: 3

No. of Offers: 2

Minimum CGPA: 7

Eligibility

Recruiting PHDs: Yes

Eligible Departments: M.S.(R) in Electrical Engineering