



India Systems & Technology Lab –

Blue VLSI Internship Program

Blue VLSI is a premier internship program from IBM's Systems & Technology Group (Hardware). The program is targeted primarily towards **Masters & PhD students** interested in pursuing a career in the field of VLSI and Semiconductor research and development. Students can join anytime of the year, and the projects can span from **2.5 months to 1 year**.

The areas of interest include:

- The **ASICs and IP Development** Team works on key technologies for both IBM Server line of products and OEM customers. This team develops the ASICs for IBM's z-series as well as x-series servers which differentiate IBM servers from others in the market place. This team also works on IP & Methodology Development and Design Kit Development for IBM's leading edge technologies like Cu45 and Cu65.
- **Test Tools and EDA** - IBM is a one of the top processor developers and ASIC design houses in the world. While IBM EDA gives one the scope of working directly with the best designers in the world, it also enables access to world-class fabrication process knowledge. IBM EDA is working on various areas including physical design automation, timing analysis, circuit level design automation, verification and graphical user interface development.
- **Processor Development** team is involved in the development of advanced processors for high-end mainframe applications as well as power-efficient embedded applications for the consumer market. The team is involved in circuit design, custom layout, physical design and verification of components and subsystems for high-performance processor chips using IBM's proprietary SMP and SMT multi-core architectures.
- **Systems Engineering** group is engaged in developing solutions centered around IBM's market leading systems & technology product portfolio. Some of the exciting solutions developed here include server hosted desktops, porting Linux to devices ranging from wrist watches and music players to cell phones, VoIP systems and even pacemaker programmers.
- IBM's **Semiconductor Research and Development** Center is responsible for the definition and development of industry leading technologies for the 45 and 22 nm nodes including development compact modeling, computational lithography, characterization, TCAD and nano electronics for next generation semiconductor devices.

Qualifications required:

- **3.5 GPA or higher**
- Candidates with global exposure are preferred
- Strong technical background in their respective area
- Leadership in guiding and/or mentoring junior engineers
- Team oriented working style
- Excellent communication skills in a global environment

Degrees Needed: MS, MTech, PhD or Dual Degrees

Majors Considered: Computer Engineering, Computer Science, Electrical Engineering, Computer Info Systems, or related fields at a top technical university

Location: Bangalore, India

Application Procedure: Please submit your resume to bluevip@in.ibm.com with the subject line "**Blue VIP Intern Program.**" Please note that all jobs compensate according to the local market and will require work authorization. You will be contacted for next steps, if we determine a strong match.

For more information on careers at IBM ISTL Lab visit us at: www.ibm.com/in/isl/index.html

IBM's Employment Policy: IBM is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age or veteran status.