

Journey of IPC Global Volunteer from India

Ms. Savita Ganjigatti
Vice President (Engineering)
SIENNA ECAD Technologies Private Limited
Bengaluru, India



- IPC Global Thought Leadership Program Panel Member since April 2021
- IPC Global Design Competition 2022 Steering Committee Member representing Asia Pacific region
- IPC India Technical Advisory Committee Member since 2012

Career path of Ms. Savita

As a young girl, Savita observed her brother everyday passionately immersed in the world of electronics. By the time she was 16, keenness in her, had turned into interest and it was clear that she wanted to pursue it. After completing Diploma in electronics & communication from Government Women's Polytechnic college, Hubli, she started her career in the field of electronics in 1988. Her urge for learning and excelling in the field, motivated her to continue her education. In 2001, she joined her bachelor of engineering while on a full time job. Steering through her budding career, strenuous degree and a 6 year old daughter, she aced her bachelor's degree with distinction. She didn't stop there and enrolled into further studies and achieved her masters in Digital Communication & Networking in 2007 at BMS Engineering College, Bengaluru. Since then her journey in this field has been unprecedented.

After completion of the study, pursuing a career of what you learn and what you are passionate about is hard. Savita's relentless effort not only made her pursue her passion in her career, but made sure she excelled in it. The journey of a mother, a wife, a vice president Ms. Savita Ganjigatti has progressed to a leadership role, and she will be representing Asia Pacific region in the upcoming IPC Global Design Competition 2022 and shall continue to guide the industry through IPC.

When asked about her memory of hearing about IPC, she recollects "The first time I heard of IPC, I was a young trainee working first in BEL who then had world class standards and facilities in CADDS department. Savita's interest then grew to a IPC standard focused process. Her continual improvement on quality checklists & guidelines based on IPC 2221/2222 standards made the company Sienna ECAD as a leading PCB design engineering company with global clients. This was in 1991 when IPC didn't have office in India, and anyone who wanted to take Design Certification had to coordinate with IPC USA office."

Savita believes that process is the foundation in any field. It transitions a person driven entity to a system driven organization. This made possible for her to build 150 engineers robust PCB design company along with her extremely supportive colleagues at Sienna ECAD. Her belief drives her to volunteer at IPC, where she focuses on improving the quality and process in the industry through IPC.

In 2010, IPC started operation in Bangalore, India. Since then, Savita is associated with IPC. She has presented technical papers in several conferences, provided valuable inputs in the IPC India Technical Committee and instrumental in starting PCB Design competition in the region.

Savita joined IPC Global Thought Leadership Program as Panel Member in April 2021 and is representing Asia Pacific region in IPC Global Design Competition 2022 as Steering Committee Member. She is regularly participating in virtual meetings with other global members which are conducted mostly late evenings India time. IPC Thought Leadership Program interview with Savita: <https://www.youtube.com/watch?v=tK8WSJbvS4s>

She believes in educating workforce and more particularly women. "No matter what field we look at, percentage of women is less, not because they are incapable or not interested. It is more to do with opportunity, exposure and their willingness to fight the daily odds. We need to build & develop a structure where we can promote more women in electronics industry". Savita attended "Women in Electronics Industry" session at IPC APEX in 2004 and is regularly voicing for women empowerment. She was instrumental in starting Women in India Electronics group facilitated by IPC India on March 8, 2021 on occasion of International Women's day. Encouraging women, enabling training to learn & take part time jobs in PCB design field. Also she is engaged with leading academic institutes for implementation of "PCB design Engineering" as an elective. Actively involved in the skill development initiative of central government.

Ms. Savita has widely traveled across the globe to U.S/Singapore several times as part of her work assignments.

Ms. Savita is currently serving in SIENNA ECAD Technologies Private Limited, Bengaluru as Vice President (Engineering). SIENNA ECAD (<http://www.siennaecad.com/index.html>) is a total solution provider to the electronics industry with capabilities from system definition to manufacturing. SIENNA ECAD's PCB Engineering team works with clients across the globe addressing solutions for highly complex PCB design solutions meeting IPC specifications. PCB Engineering solutions include High Speed PCB Design, SI Analysis (Time Domain and Frequency Domain analysis), EMI/EMC and Reliability Analysis. SIENNA ECAD's engineering team support customers globally in the area of High speed digital,RF, power electronics and communications. Sienna Corporation/Avalon Technologies is the parent company of Sienna ECAD and with more than 2000 people and one of India's leading Electronic Manufacturing services company.

In her leadership, she has executed 25,000 + projects at Sienna Ecad Technologies. Few of the projects include Intel Core i7_Com Express Module; 5G Technology; Satellite Internet access; Complex PCB 72 Layer Design Layout; Supercomputer/Server board; Power Control board – Aerospace and many more.

Ms. Savita highlights "There is no doubt that the electronic industry is growing fast in India particularly in Electronics System Design Manufacturing (ESDM). ESDM sector plays a vital role in the government's goal of generating US\$ 1 trillion of economic value from the digital economy by 2025. As electronics design professional, we can do everything in India, be it any complex design or innovation of next-generation technology for the world. As India prepares for ESDM power hub, more focus shall be given in skill development in the sector and the companies should focus in adopting quality standards. Now it isn't the era where we have struggle to find PCB Design Engineers as companies are valuing training & certification. Thanks to IPC for developing electronics design standards and promoting awareness of Certified Interconnect Designer program <https://www.ipc.org/ipc-designer-certification-program>. IPC not only brought the industry together but is constantly helping it to grow".

Gaurab Majumdar, Executive Director IPC India Regional office in his kind words "We are thankful for Savita's commitment & contribution as an esteemed member of IPC global committee. The success of IPC's mission rests with the generous gifts of time and talent that professionals like her who are willing to share".