

# REPORT ON THE XILINX –WIT 2021 (FIRST QUARTER)

SRM Institute of Science and Technology SRM IST  
College of Engineering and Technology CET

## ***Preamble of WIT program of Xilinx at SRM IST:***

SRM IST has been awarded the Women In Technology WIT award for the year 2021 and under which many activities were proposed. All the associated activities taking place around is with the acronym is *Xilinx Nexus*.

Dr. S. Malarvizhi, Professor of ECE,SRM IST

Dr. Revathi Venkatraman, Chair of School of Computing ,SRM IST

Dr. Shantanu Patil, Head of Department of Translational-Medicine-And-Research and Associate Director, Innovation, Incubation & Entrepreneurship Center SRM IST.

*Date of announcement of the award: 7<sup>th</sup> September 2021*

## ***VISION of Xilinx Nexus:***

The goal of the program is to increase the representation, participation and entrepreneurial skills and abilities of women in technology focused careers.

## ***MISSION of the Xilinx Nexus:***

To educate students through STEM programs to integrate them into a cohesive learning paradigm based on real world applications.

To develop new skill sets through mentorship events through seminars and workshops.

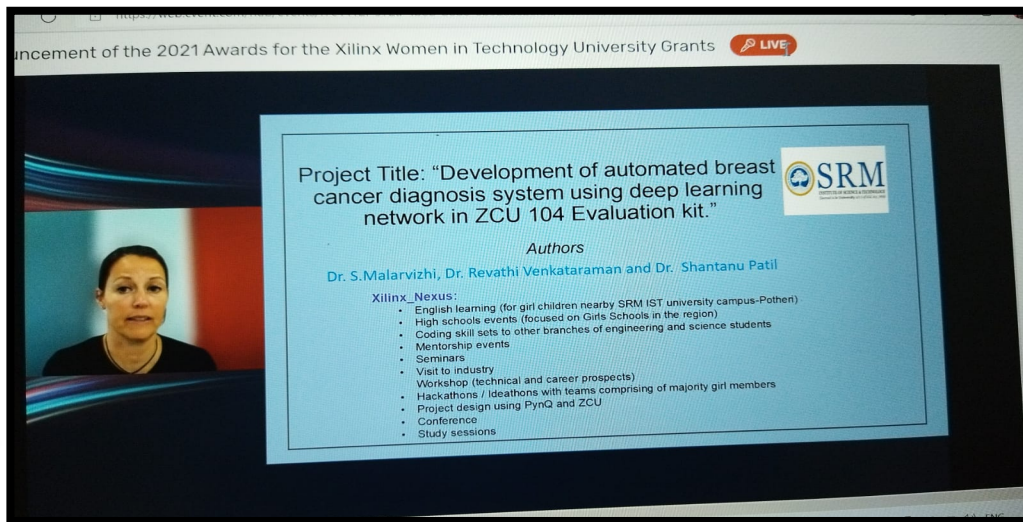
To steer girl students in the direction of the research and development for the benefit of women folk.

***Logo contest was hosted through online and the based on the submission the logo was selected:***



Symbolic representation of 6 wings of a female indicated the 6 characters of XILINX with SRM IST.

**The following activities were planned under this program:**



✳ **STEM (Science, Technology, Engineering and Mathematics) programs**

- STEM is based on the idea of educating students in four specific disciplines - Science, Technology, Engineering and Mathematics in an interdisciplinary and applied approach.
- Coding - C, python
- English
- Fun with physics
- Easy Mathematics
- Programs to create interest in science and engineering

✳ **Polytechnic students**

- Web App Development
- Circuit design tools
- Programming skills

✳ **Engineering/ Technology education**

- Design flow using Xilinx tools ( hardware and software)
- Seminars for Career prospects
- Technical Workshops
- Study Sessions
- Hackathons / Ideathons using PYNQ boards
- Visit to industry
- App development

✳ **Research in breast cancer early detection using ML and algorithm in hardware**

**Activity carried out:** Formation of vision, mission of the program, team with faculty and students and activities were planned in accordance with the list provided during proposal submission.