

## FABLAB

A Fabrication Laboratory (FABLAB) is a technical prototyping platform for innovation and invention which aims at providing stimulus for students and serves as a platform for learning and innovation. It is a small scale workshop offering Digital Fabrication which empowers students and other users to create smart devices for themselves which can be tailored to local or personal needs. The FABLAB also becomes a medium for connecting to a global community of Learners, Educators, Technologists, Researchers and Innovators- essentially becoming a self-sustaining global knowledge sharing network.

Fab Labs (digital fabrication laboratories) were set up to inspire people and entrepreneurs to turn their ideas into new products and prototypes by giving them access to a range of advanced digital manufacturing technology. The Fab Lab was designed around the emerging possibility for ordinary people to not just learn about science and engineering but actually design machines and make measurements that are relevant to improving the quality of their lives and the communities around them. The idea was conceived by renowned inventor and scientist Professor Neil Gershenfeld at Massachusetts Institute of Technology (MIT), USA. His idea was a simple one: to provide the environment, skills, advanced materials and technology to make things cheaply and quickly anywhere in the world, and to make this available on a local basis to entrepreneurs, students, artists, small businesses and in fact, anyone who wants to create something new or bespoke.

Makers like us are united by the desire to share knowledge, collaborate and to “make almost anything.” The lab is open to the public, employs both staff and volunteers and greatly values both diversity and play, as we believe these are necessary for innovation. Our network and patrons include people of all kinds: students, teens, families, entrepreneurs, artists, hobbyists, gamers, hackers, engineers, scientists, teachers, librarians, activists and more. We welcome those interested to Join the conversation and discover more about who we are!

People are really what make our Fab Lab go.

Fab Lab contains various pieces of computer controlled fabrication equipment ranging from 3D Printers, Laser Cutters to high precision Milling Machines and most modern Printed Circuit Boards(PCB), not to mention a variety of electronic components and materials. Fab Lab also provides access to computers and easy-to-use design and manufacture software, capturing your ideas and turning them into reality at the press of a button.