Action research is either research initiated to solve an immediate problem or a reflective process of progressive problem solving led by individuals working with others in teams or as part of a "community of practice" to improve the way they address issues and solve problems. There are two types of action research: participatory action research and practical action research. Denscombe (2010, p. 6) writes that an action research strategy's purpose is to solve a particular problem and to produce guidelines for best practice.

Action research involves actively participating in a change situation, often via an existing organization, whilst simultaneously conducting research. Action research can also be undertaken by larger organizations or institutions, assisted or guided by professional researchers, with the aim of improving their strategies, practices and knowledge of the environments within which they practice. As designers and stakeholders, researchers work with others to propose a new course of action to help their community improve its work practices.

My work plan can be summarized as follow.

1) Do analysis & define aim of research work.
2) Choosing appropriate algorithm or combination of it for implementing encryption.
3) Selection of platform for executing above algorithms. Like android emulators or pipe programming on Linux etc.
4) Testing & Interpretation of results.