3. METHODOLOGY

It is proposed to provide countermeasures for threats and attacks on Online Social Network. This work will be carried out in the part as given below :-

In the first part i.e. countermeasure for privacy breach will provide a mechanism to countermeasure the privacy breach in Online Social Network.

The second part of the proposed work is to propose a security framework for Online Social Network which will reduce the number of attacks taking place on the Online Social Network user. This security framework will suggest some guidelines for the Online Social Network providers as well as the users and other entities related to it to achieve maximum security in the network.

Survey of Online Social Network users is also a part of this work where it will be tried to find out the behavior of user based on some important factors. Some of which are given below:-

- find the number of friends the user is having
- the basis on which the friend request send / accepted
- Understanding of privacy policy
- Understanding the Terms of services
- privacy settings done by user
- security attacks on the user

To conduct the survey, planned to prepare a questionnaire will be prepared. The questionnaire will be accompanied by the consent letter to take the consent of the user for his
willingness to join the survey. In this survey the Online Social Network users will be divided into three categories viz. Teenagers, Intermediate level (novice) users and professionals.

The reason of having such three categories is to find out the change in behavior of the user belonging to different categories. If there is a drastic change in the results different solutions are must for each of the category else try to find out the most suitable solution common for all the three categories.

By analyzing the information provided by the users, it will be tried to come to the conclusion of behavior of users in the Online Social Network. Same will be further used find out some more countermeasures against privacy breach which leads to the threats and attacks on the security of the Online Social Network user.

**Scope and Limitations of the work**

The proposed work will provide countermeasures to the Online Social Network against privacy breach which leads to the security threats and attacks as well as design a security framework to secure the Online Social Network user.

These countermeasures and suggestions as well as the security framework will be general and can be applied to any user as well as any of the existing or upcoming Online Social Networks.

Limitations of the proposed work will be that legally it is not allowed to crawl the profiles in Online Social Network by using any of the tools and it is a punishable offence. Hence any automated tool for crawling the profiles in Online Social Network will not be used. So we have to rely mostly on the results based on the survey done and the statistics generated by it.