We will first implement the KV store in a single node in user space. We will follow the descriptions given in section 3, 4, 4.1, 4.2. The thesis gives more details. Section 5.4 in the thesis is to be referred to.

Division of Work:

Anuksha – will implement

* the functions GET, PUT, and DEL; this will involve maintaining the K\_AVL trees (RAM and NVM versions); space will be acquired and released using functions to be written by Jaswindar.
* log operations

Jaswindar – will implement the following:

* Managing the space : F\_AVL; include functions to be called by Anuksha: alloc (length), de\_alloc(pointer); update\_NVM\_F\_AVL;
* Explore kernel modules and netlink sockets and set up a simple kernel module to receive and reply to user processes throug netlink.