Our project will include IOT and authentication. Smart home systems which are using on nowadays, are not safety enough. We are thinking that improve these systems. Safety is extra important for Smart home systems because hacker can access all information about home and hacker can unlock the door and join the house. We will use authentication to be able to master it. We will need to enter a password on different encrypted devices during each transaction. Thus, we would be able to use Smart Home System safety.