**SYNOPSIS OF THE PROJECT**

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| RollNo & Name | 09\_Kiran Karthikeyan |
| Name of Guide | Ms. Anju L |
| Contact Number: | 8281494147 |
| Email-id | [kiransree027@gmail.com](mailto:kiransree027@gmail.com) |
| Shared folder/git repository details | https://github.com/kirankarthikeyan/MAIN\_PROJECT.git |
| Project Title | A Step Towards Smart Ration Card System Using RFID &IOT |
| Description of Project:  Ration card plays a vital role for the household details such as to get gas connection  family member details, it acts as address proof etc. In this paper, we have proposed a smart ration card system using Radio Frequency Identification (RFID) Technique and IOT to prevent the malpractices and corruption in the current ration distribution system. In this system conventional ration card will be replaced by a unique RFID tag. This RFID tag will be verified at the fair price shop for the authentication of the user. The user’s identity will be verified by microcontroller which is connected to an Amazon Web Services (AWS) database. For added security One Time Password (OTP) is also sent to user’s registered mobile number which needs to be entered in the system. If user is found to be authentic then monthly quota of the ration available for the user is displayed. After successful transaction the database will be updated stating the ration content delivered to the user. This system will require very less human efforts for operation and is also very secure. By implementing this system government can keep track of all the delivered ration content very easily. | |
| Frontend & Backend Tools | IOT & Python |

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