**Activity 3: Self-Evaluation**

Using the ‘Project Proposal Evaluation Rubrics’ evaluate your first draft of proposal by describing the strengths and weakness of your proposal for each criterion. Give justifications for why do you think they are your strengths and weakness and what will you do to improve/add to the final version. (*Full Marks: 5*)

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| **Student Name** | | Thapa Arjun | **Student ID** | M22W0385 |
| **Project Proposal Title** | | Use of IoT in Agriculture in Nepal | | |
| **Project Type** (*(Choose either 1, 2 or 3)* | | Practical implementation of a system or technology | | |
| **Evaluation Criteria** | | **Explanation** | | |
| 1 | Purpose / Significance of the study | The purpose / significance of the study is: -   1. To help in agriculture by using smart based applications of IoT systems. 2. Smart farming is used to find out the temperature, humidity, and pressure through the wireless network system in the agriculture. 3. To helps monitor the environment and farming area as well as by sending the data of food to the server and to the client farmer also. 4. Internet of Things, Cloud based system, and wireless system these devices are widely used in connecting devices and collection of information[1]. | | |
| 2 | Topic Research and Analysis | Characterize the existing IoT agriculture applications, sensors/devices, and communication protocols[2]. They Focused state of the art research work which has been identified in the agriculture. An IoT-based smart farming framework has been proposed that consists of basic IoT agriculture terms to identify the existing IoT solutions for the purpose of smart farming[2]. These are the topic research of the IoT in agriculture.  The analysis of this paper is: -   1. Modern IoT-based smart farming studies span a wide range of application areas, communication protocols, sensors, and protocols, which makes analysis of these studies a significant issue. 2. It also analysis the temperature, humidity, and pressure through the application and analysis the weather report also. | | |
| 3 | Methodology | Agriculture is based on the IoT system in Today`s world where in each step we used the technology system to analysis the object. The research and analysis of this paper is great because it shows that the agriculture need the IoT system more than ever in current situation. There is different way to analysis the problem which is help by IoT system. | | |
| 4 | Summary of a Work Plan | There are four type of work plan are: -   1. Planning 2. Collecting 3. Analysis 4. Presenting   In planning, I am planning how to do it and what the method will take some time at the first stage. After the planning, I start to collect all the data from the article, book, journal, magazine, etc. while collecting the data. I also analyze the data whether it is right data or wrong at the project. I carefully analyze the data and move forward. After all the analysis and project finished. I move toward the presentation where I can present the project in the best way. | | |
| 5 | Citations | The citations are done in the ACM format which is shown below: -  [1] Anup Acharya. 2022. Smart Farming Based on IoT: Nepal Perspective. *IJSR* 11, 2 (February 2022), 861–864. DOI:https://doi.org/10.21275/SR22219104359  [2] Muhammad Shoaib Farooq, Shamyla Riaz, Adnan Abid, Tariq Umer, and Yousaf Bin Zikria. 2020. Role of IoT Technology in Agriculture: A Systematic Literature Review. *Electronics* 9, 2 (February 2020), 319. DOI:https://doi.org/10.3390/electronics9020319 | | |
| 6 | Clarity in Writing | The article has weaknesses and strengths also which are shown in the article. The weakness is that the IoT system is being used slowly in agriculture which makes it difficult to adopt the system immediately. IoT systems also used different applications which is difficult for uneducated farmers due to the latest technology being used in IoT systems. The strength is that the IoT system makes it easy for the farmer where they can easily analyze the soil, moisture, and temperature in the system through the mobile application. It is also used in different ways like robotics, drones, remote sensing, etc. in agriculture. I think I can improve a lot in the final version by adding the latest technology which improves agriculture day by day. I also add the way that teaches the farmer how to use the latest technology in a very simple way which helps to understand them and use applications easily. | | |