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**Status Report : ( OCTOBER (Month) – 2021 ( Year))**

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| Name of the Project Leader with Roll No. | POOLA ROHITH  B180712ME |
| Ph. No. & email id Project Leader (other than institute email id) | 9441120187 – [rohith18p@gmail.com](mailto:rohith18p@gmail.com) |
| Name(s) of the Group Members with Roll No(s). | AKONDI SAI MANOJ – B180161ME  MAMIDI THEJONATH – B180129ME  KURAGANTI VEDANTHAM – B180473ME |
| Ph. No. & email id of Group Members (other than institute email id) | 6303364524 – [manojakondi25@gmail.com](mailto:manojakondi25@gmail.com)  9441214164 – [tejonathg21@gmail.com](mailto:tejonathg21@gmail.com)  9381222285 – [vedantham.kuraganti123@gmail.com](mailto:vedantham.kuraganti123@gmail.com) |
| Name of the Guide(s) & Department(s) | Dr. SUDHEER A P – Mechanical Department  Dr. K SEKAR – Mechanical Department |
| Title of the Project | Robot Based Automation for Vertical Farming |
| Summary of Work Done in the previous months (In bulleted points) | * Conceptual designs of Manipulator and Lift are completed * Created a virtual environment for simulation of Manipulator * Implemented a deep learning model for vegetable detection. |
| Work Done in this month (in bulleted points) (Please specify what part of objective(s) or outcome you are currently working) | * Created novel designs of end effectors. * Optimized the manipulator model and mechanism for lift * Currently working on the optimization of end effector design. |
| Whether the goals are achieved or not as per the plan (If No, specify the reason) | No  Analysis of the mechanisms are in progress as we are still working on the new designs for end effector. But simultaneously we started working on simulation and creating virtual environment which is part of next schedule. |
| Signature of Project Members with Date |  |
| Signature of Guide(s) with Date |  |