


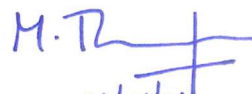

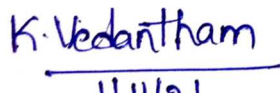


# National Institute of Technology Calicut

## Office of Dean (R & C)

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

Name of the Project Leader with Roll No.	POOLA ROHITH B180712ME
Ph. No. & email id Project Leader (other than institute email id)	9441120187 – <a href="mailto:rohith18p@gmail.com">rohith18p@gmail.com</a>
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 – <a href="mailto:manojakondi25@gmail.com">manojakondi25@gmail.com</a> 9441214164 – <a href="mailto:tejonathg21@gmail.com">tejonathg21@gmail.com</a> 9381222285 – <a href="mailto:vedantham.kuraganti123@gmail.com">vedantham.kuraganti123@gmail.com</a>
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)	<ul style="list-style-type: none"> <li>• Conceptual designs of Manipulator and Lift are completed</li> <li>• Created a virtual environment for simulation of Manipulator</li> <li>• Implemented a deep learning model for vegetable detection.</li> </ul>
Work Done in this month (in bulleted points) (Please specify what part of objective(s) or outcome you are currently working)	<ul style="list-style-type: none"> <li>• Created novel designs of end effectors.</li> <li>• Optimized the manipulator model and mechanism for lift</li> <li>• Currently working on the optimization of end effector design.</li> </ul>
Whether the goals are achieved or not as per the plan (If No, specify the reason)	<p>No</p> <p>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.</p>

<p>Signature of Project Members with Date</p>	<div data-bbox="652 212 837 386">   1/11/21 </div> <div data-bbox="1003 233 1252 354">   01/11/21 </div> <div data-bbox="646 443 873 564">   01/11/2021 </div> <div data-bbox="1040 443 1317 564">   1/11/21 </div>
<p>Signature of Guide(s) with Date</p>	