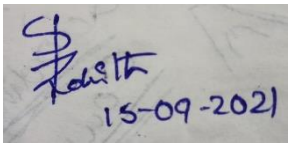
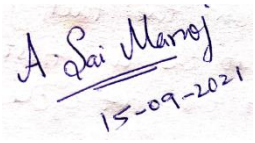
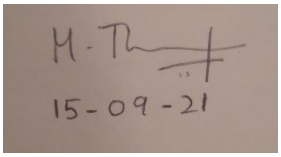
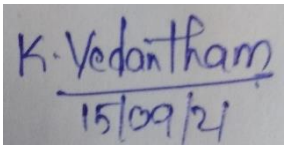
National Institute of Technology Calicut

Office of Dean (R & C)

Acceptance Form

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
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 9441214164 – tejonathg21@gmail.com 9381222285 -vedantham.kuraganti123@gmail.com
Name of the Guide(s) & Department(s)	**Guide:** Dr. SUDHEER AP Assistant Professor Mechanical Department **Co – Guide:** Dr. SEKAR K Assistant Professor Mechanical Department
Title of the Project	Robot based automation for vertical farming
Expected Outcomes (Select all possible outcomes appropriate for the project)	**Patent**/~~Copyright/Technology Transfer~~/**SCI Journal Publication**
Requested Amount in Rs.	90000
Approved Amount in Rs.	90000

Terms & Conditions	● A detailed schedule with monthly split-up for the execution of the project must be submitted along with this form. ● Monthly status report for every month must be submitted on or before 5th of the next month. ● The final reimbursement will be initiated only after the completion of the project and submission of proper documents for Patent/Copyright/Technology Transfer/SCI Journal Publication. ● This project will be approved for funding under the condition that the tangible outcome/s mentioned in "expected outcomes" shall be achieved by the students and guide (s) during the course of the project or immediately after the completion of the project.
Would you like to accept the offer	Yes
Signature of Project Members with Date	   
Signature of Guide(s) with Date	 17/09/2021
Signature of HOD with Date	

ROBOT BASED AUTOMATION FOR VERTICAL FARMING

PROJECT WORK PLAN

Monthly Split-up Table:

No.	Month	Deliverables	Status
1	16 – SEP – 2021 to 30 – SEP – 2021	Development of conceptual design for overall project	In progress
2	01 – OCT – 2021 to 30 – OCT – 2021	Analysis and optimization of the design	Pending
3	01 – NOV – 2021 to 31 – DEC – 2021	Creating virtual environment and performing all required virtual simulations. Development of required AI/ML algorithms	Pending
4	01 – JAN – 2021 to 28 – FEB – 2021	Fabrication of the Robot and Vertical farming environment	Pending
5	01 – MAR – 2021 to 30 – APR – 2021	Robot control and automation. Implementation of developed algorithms in fabricated model.	Pending
6	01 – MAY – 2021 to 31 – MAY – 2021	Preparation of manuscripts and documentation.	Pending