

PROJECT DIARY

TOPIC : LEAF DISEASE DETECTION SYSTEM WITH PLOUGHING AND
SEEDING ROBOT

GUIDED BY

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GROUP MEMBERS

- 1) Mazen Hamza
- 2) Akshay Konoor
- 3) Abdul Akhil pasha

SL.No	DATE	WORK DONE	TIME SPENDED
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1	07/11/2020	<ul style="list-style-type: none"> Topic searching 	2 hours
2	13/11/2020	<ul style="list-style-type: none"> Topic selected Topic discussion and analysis. 	15 minutes
3	16/11/2020	<ul style="list-style-type: none"> Topic presentation 	45 minutes
4	18/11/2020	<ul style="list-style-type: none"> New topic selected and analysed. 	35 - minutes
5	23/11/2020	<ul style="list-style-type: none"> Re-presentation and topic approved. 	15 minutes
6	24/11/2020	<ul style="list-style-type: none"> Approached guide and discussed topic with guide. 	15 minutes
7	03/12/2020	<ul style="list-style-type: none"> Gathered Tirur for discussion. Discussed about plans and work to be done. 	10 minutes
8	05/12/2020-15/12/2020	<ul style="list-style-type: none"> Collected references and analysed various changes needed to our current topic. 	1 hour
9	16/12/2020	<ul style="list-style-type: none"> Conference call. 	3 hours
10	17/12/2020-21/12/2020	<ul style="list-style-type: none"> Referred about software and hardware needed. 	4 hours
11	22/12/2021-28/12/2020	<ul style="list-style-type: none"> Just familiarized python and diseases in leaves. 	3 hours
12	29/12/2020	<ul style="list-style-type: none"> Discussed updates with guide. 	25 minutes
13	01/01/2021-	<ul style="list-style-type: none"> Prepared PPT for first 	20 minutes

	02/01/2021	presentation.	
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14	05/01/2021	• Preliminary presentation.	2 hours
15	13/01/2021-15/01 /2021	• Preparing preliminary report.	15 minutes
16	25/01/2021	• Google meet with guide.	45 minutes
17	10/03/2021	• Google conference and discussed about plans.	35 - minutes
18	10/03/2021-12/03/2021	• Leaf data collected.	15 minutes
19	15/03/2021	• Familiarized basic software required for project(Dip trace).	15 minutes
20	16/03/2021	• Google conference call to discuss design of project and hardware requirements.	10 minutes
21	19/03/2021	• Gathered together at Tirur and designed circuit.	1 hour
22	20/03/2021-21/03/2021	• Design of PCB.	3 hours
23	23/03/2021-26/03/2021	• Familiarized with basics of python.	4 hours
24	27/03/2021	• Gathered together at Tirur and worked out some basic programming in python.	3 hours
25	01/04/2021-03/04/2021	• Worked out some basic programming using Raspberry pi.	25 minutes
26	19/04/2021-25/04/2021	• Prepared PPT for first presentation.	50 minutes
27	31/04/2021	• First phase presentation	30 minutes

28	01/05/2021	<ul style="list-style-type: none"> Google conference and discussed about plans on Image processing 	20 minutes
29	01/05/2021-07/05/2021	<ul style="list-style-type: none"> Created code for robotic plougher and seeding using python 	3-5 hour/day
30	07/05/2021	<ul style="list-style-type: none"> Google meet to discuss about some errors 	45 minutes
31	08/05/2021-10/05/2021	<ul style="list-style-type: none"> Debugging the code 	2-3 hour/day
32	10/05/2021	<ul style="list-style-type: none"> Google meet to discuss about some errors 	25 minutes
33	10/05/2021-14/05/2021	<ul style="list-style-type: none"> Debugging the code 	1.5-2 hour/day
34	16/05/2021-23/05/2021	<ul style="list-style-type: none"> Created code for image processing using OpenCV 	4-5hour/day
35	23/05/2021	<ul style="list-style-type: none"> Google meet to discuss the errors in code Discussed the problem in code with guide 	1.5 hours
36	24/05/2021-26/05/2021	<ul style="list-style-type: none"> Debugging the code 	2-3 hour/day
37	27/05/2021	<ul style="list-style-type: none"> Shown the output to guide and made clarification on some warning 	30 minutes
38	27/05/2021	<ul style="list-style-type: none"> Google conference and discussed about MySQL and SQLyog 	2 hours
39	28/05/2021	<ul style="list-style-type: none"> Installation and configuration of MySQL and SQLyog 	1 hour
40	30/05/2021-31/05/2021	<ul style="list-style-type: none"> Modified the code to connect and create table in SQLyog 	2-3hours

41	31/05/2021	<ul style="list-style-type: none"> Google conference to discuss the error in code 	45 minutes
42	31/05/2021-01/06/2021	<ul style="list-style-type: none"> Error debugged. Code connected and table created 	2 hours
43	02/06/2021-07/06/2021	<ul style="list-style-type: none"> Testing and evaluating the result 	1.5-2 hour/day
44	06/06/2021	<ul style="list-style-type: none"> Discussed the simulation process with guide 	20 minutes
45	07/06/2021-08/06/2021	<ul style="list-style-type: none"> Some modification made on the result and finalised the testing 	1 hour/day
46	09/06/2021	<ul style="list-style-type: none"> Prepared PPT for second phase presentation 	2 hour/day
47	10/06/2021-13/06/2021	<ul style="list-style-type: none"> Prepared final project report 	2-3 hour/day
48	14/06/2021	<ul style="list-style-type: none"> Completing balance documentation 	1.5 hours
49	16/06/2021-18/06/2021	<ul style="list-style-type: none"> Second phase presentation 	30 minutes
50	25/06/2021	<ul style="list-style-type: none"> Gathered Calicut for collection of hardware components Raspberry Pi OS installation and configuration 	5 hours
51	25/06/2021-27/06/2021	<ul style="list-style-type: none"> Hardware implementation 	7.5 hours
52	02/07/2021	<ul style="list-style-type: none"> Programming in Raspberry Pi 	3 hours
53	03/07/2021-05/07/2021	<ul style="list-style-type: none"> Testing and debugging of code for ploughing and seeding robot 	5-7 hours

54	07/07/2021& 08/07/2021	<ul style="list-style-type: none"> Gathered at Calicut and testing and debugging of code for image processing part 	6 hours
55	10/07/2021	<ul style="list-style-type: none"> Discussed with guide 	30 minutes
56	11/07/2021	<ul style="list-style-type: none"> Prepared PPT for final phase presentation 	2.5 hours
57	12/07/2021- 13/07/2021	<ul style="list-style-type: none"> Prepared final project report Project video making 	2 hours
58	14/07/2021	<ul style="list-style-type: none"> Final Presentation 	

