

Progress sheet group-wise

Group And Title	GC5: IoT based Health Monitoring System			
	Work progress sheet	Details of work	Details of work	Details of work
Dates/weeks	Work carried	M1: Vishal	M2: Shivam	M3: Shreyas
5/8/2020	First Lab, Introduction about MP1	Did research on various societal issues.	Did research on various societal issues.	Did research on various societal issues.
12/08/2020	Tentative ideas by each student.	National Education System (NEP 2020) for student to learn as well as focus on their future scope prospective	IoT Based health monitoring system.	App for signing petition for cancelling acts causing harm to the environment. Also, for opposing the controversial Environmental Policy of the current government
19/08/2020	Group/Team formation	GC5: Vishal Salvi, Shivam Pawar, Shreyas Patel	GC5: Vishal Salvi, Shivam Pawar, Shreyas Patel	GC5: Vishal Salvi, Shivam Pawar, Shreyas Patel
26/08/2020	Team Discussion and Final Idea, Abstract	IoT based Health Monitoring System: The main objective of this system is obtaining the real-time medical information about a patient via IOT. The system would be smart to intimate the patient's family members and their doctor about the patient's current health status and full medical information in case any medical emergency arises.	IoT based Health Monitoring System: The main objective of this system is obtaining the real-time medical information about a patient via IOT. The system would be smart to intimate the patient's family members and their doctor about the patient's current health status and full medical information in case any medical emergency arises.	IoT based Health Monitoring System: The main objective of this system is obtaining the real-time medical information about a patient via IOT. The system would be smart to intimate the patient's family members and their doctor about the patient's current health status and full medical information in case any medical emergency arises.
02/09/2020	Collection of relevant info	Search research papers as well as journals.	Gathered information related to the project from various websites and research	Started gathering information by reading articles and finding papers.
09/09/2020	Collection of relevant info and work progress Draft and Presentation I	Read research papers understand their method and collect information for presentation I	Searched the already developed projects related to this topic and found the gap in	Created a presentation containing collected information from various articles

			them and read research paper related to the project and collected points for presentation.	
16/09/2020	Presentation I /Evaluation I contd..	Make Power point presentation and prepared for it.	Prepared for the presentation	Prepared for the presentation
23/09/2020	Finding Feasible solutions	We discuss in our group and come up with the solution for social issue.	We had a discussion for finding the feasible solution.	Looked at existing solutions for bed tracking and collected information for making an effective solution for our problem statement
30/09/2020	Finding Feasible solutions	We discuss in our group and come up with the solution for social issue.	General discussion on project topic.	discussion for finding the feasible solution
07/10/2020	Drafting and work progress	Discussed on individual work on feasible solutions and Started working on drafting using the overleaf tool.	Did group meeting and I found feasible solution for the gaps in existing system that we found earlier, like developing an application.	Discussed on individual work on feasible solutions and collected information for drafting
21/10/2020	Drafting and Presentation II	Collect information for presentation 2 and started working on presentation and draft.	Gathered related information on issues in existing system and solutions to overcome them.	Collected information to be filled in Presentation 2 and for the draft
	Presentation II/Evaluation II contd...	Created block diagram on createely tool. Completed the final presentation and draft.	Read papers to understand the format of research papers and created block diagram.	Explained every point of our presentation in the draft

Detailing of work done

Member1: Vishal

05/8/2020/W1: Identifying the social issues by observing surrounding
Actively started searching various problems in the surrounding environment.

12/8/2020/W2: Tentative ideas by each student.
Came up with an idea National Education System (NEP 2020) for student to learn as well as focus on their future scope prospective.

19/8/2020/W3: Group/Team formation (Id, Names)

GC5:

Vishal Salvi,
Shivam Pawar,
Shreyas Patel

26/8/2020/W4: Team Discussion and Final Idea, Abstract
Decided to work on IoT based Health Monitoring System
Helped in creating the abstract
Started working on information collections.

02/8/2020/W5: Collection of relevant info

Link:

<http://www.jcreview.com/fulltext/197-1585663661.pdf>
https://www.rpublication.com/ijaer18/ijaerv13n15_40.pdf

09/8/2020/W6: Collection of relevant info and work progress Draft and Presentation
I collected relevant info and make power point presentation

Paper Link:

Wearable IoT enabled real-time health monitoring system

<https://jwcn-urasipjournals.springeropen.com/articles/10.1186/s13638-018-1308-x>

16/8/2020/W7: Presentation I /Evaluation I contd.

Presented our work of information collection containing: Abstract, problem statement, existing system, gaps, questions/answers, literature survey, etc.

23/8/2020/W8: Finding Feasible solutions

To overcome the issues of the existing health monitoring system we discussed on feasible solutions.

30/8/2020/W9: Finding Feasible solutions

1) We will develop an application which will solve the problem of transferring the data in real time and also using this application patient can view their own data and reports and maintain the records of their health check-ups.

2) In-case if patient is facing any problem then they can go for second opinion and at that time they don't have to do the reports again as they are already having the records stored in application, this will save time and money of the patients.

07/8/2020/W10: Drafting and work progress

After learning about different methods, we finalized feasible solution.

Created Block diagram on online tool. Completed the final presentation and draft.
Learned how we can make research paper in standard format using various online tools.

14/8/2020/W11: Drafting and Presentation II

I created presentation 2 on Power point and presented
PPT Include:

Title, Abstract, Introduction, Lit survey/Background/Related work, Clear issues, Feasible solution/ innovation part, Conclusion and References

Paper Link:

<https://www.overleaf.com/project/5f982d275b4aab00012f4c12>

Member2: Shivam

05/8/2020/W1: Identifying the social issues by observing surrounding

Started observing the day-to-day life issues near me on which I can work and try to solve that problem.

12/8/2020/W2: Tentative ideas by each student.

I was having two ideas for the project:

- 1.Smart Irrigation System.
- 2.IoT based health monitoring system.

19/8/2020/W3: Group/Team formation (Id, Names)

In this week we have formed the group.

GC5:

Vishal Salvi,
Shivam Pawar,
Shreyas Patel

26/8/2020/W4: Team Discussion and Final Idea, Abstract

We had a discussion on finalizing the topic and selected Iot based health monitoring system.

And in this week we started reading the information related to the topic.

02/8/2020/W5: Collection of relevant info

I started reading about the related work and also started gathering the information about the topic.

Reference : <https://circuitdigest.com/microcontroller-projects/iot-based-patient-monitoring-system-using-esp8266-and-arduino>

09/8/2020/W6: Collection of relevant info and work progress Draft and Presentation.

Gathered more information and stored it and used that information will creating the presentation for the topic.

16/8/2020/W7: Presentation I /Evaluation I contd.

Presented our work of information collection containing: Abstract, problem statement, existing system, gaps, questions/answers, literature survey, etc.

23/8/2020/W8: Finding Feasible solutions

In this week I started looking for the feasible solutions for the gaps or issues in the existing system. And one of the solution I came up with was developing an application for securely transferring the real time data which will solve the problem of regular checkups.

30/8/2020/W9: Finding Feasible solutions

The other solution that I thought of in this week was about the accessibility of the health reports to doctors as well as family members and patient itself. Using the mobile application the data can be managed easily.

07/8/2020/W10: Drafting and work progress

In this week we collected and documented all feasible solution find by everyone in the group. And also started preparing for the next presentation and read about how the information is written In proper research paper format.

14/8/2020/W11: Drafting and Presentation II

In this week we have presented the PPT in which we have included clear issues, feasible solutions for which I have referred following content:

[https://www.researchgate.net/publication/324526847 Internet of things IoT based health monitoring system and challenges](https://www.researchgate.net/publication/324526847)

<http://www.jcreview.com/fulltext/197-1585663661.pdf>

Member3: Shreyas

05/8/2020/W1: Identifying the social issues by observing surrounding
Started searching for different topics to work on to solve social issues

12/8/2020/W2: Tentative ideas by each student.

Came up with an idea of an app for signing petition against policies which could harm our environment. Especially to oppose the controversial National Environmental Policy by the Government

19/8/2020/W3: Group/Team formation (Id, Names)

26/8/2020/W4: Team Discussion and Final Idea, Abstract

Decided to work on IoT Based Health Monitoring System and started collecting information about it

02/8/2020/W5: Collection of relevant info

Took info from :

<https://link.springer.com/article/10.1007/s42979-020-00195-y>

09/8/2020/W6: Collection of relevant info and work progress Draft and Presentation
I collected relevant information and added to the presentation

16/8/2020/W7: Presentation I /Evaluation I contd.

Presented our work of information collection containing: Abstract, problem statement, existing system, gaps, questions/answers, literature survey, etc.

23/8/2020/W8: Finding Feasible solutions

To resolve the gaps in the existing systems, we discussed on Feasible Solutions to the problems

30/8/2020/W9: Finding Feasible solutions

07/8/2020/W10: Drafting and work progress

After finding out various feasible solutions, we started working on the drafting and presentation

14/8/2020/W11: Drafting and Presentation II

I added points to the Literature Survey to explain it in detail in the draft and add my Feasible solutions in the Presentation 2

Paper link for draft :

<https://www.overleaf.com/project/5f982d275b4aab00012f4c12>