

**B. Tech. (CSE) – 7<sup>th</sup> Semester  
Batch 2018-22**

## **Project Work**

### **Covid Tracker**

**Project Number- 22**

**Project Guide - Dr. Dinesh Kumar Verma**

#### **Details of Project Batch-**

#### **Weekly Meeting Schedule (with supervisor)-**

	<b>Day</b>	<b>Timings</b>
<b>1<sup>st</sup> Meeting of the week</b>	Monday	4:30 PM
<b>2<sup>nd</sup> Meeting of the week</b>	Thursday	4:30 PM

**Signature of Project Guide:**

<b>Week Number- 01</b>		<b>Date</b>	<b>From – 25-08-2021</b>	<b>To — 28-08-2021</b>
<b>Project Batch Size-</b>				
<b>Er. No.</b>	<b>Name of Project Mem</b>			
181B029	Aman Verma			
181B210	Shubham Tiwari			
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Submit the project approval along with a brief description of the work that will be done and the tech stack that will be used to develop the project.</p>				
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>				
<b>Date of task allocation-</b>				
<p align="center"><b>Brief report on achievement by student-</b></p> <p>Project approval has been submitted along with a brief description of the work and the tech stack that will be implemented.</p>				
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>		
<b>Remarks / Instructions:</b>				

<b>Supervisor's Sign.</b> (1st meeting of week)	<b>Date</b>	<b>25-08-2021</b>
<b>Supervisor's Sign.</b> (2nd meeting of week)	<b>Date</b>	<b>28-08-2021</b>

<b>Week Number-</b>	<b>02</b>	<b>Date</b>	<b>From – 30-08-2021</b>	<b>To — 04-09-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Begin working on the project by doing the requirement analysis and preparing a list of all the features that will be put into the project.</p>				
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>				
<b>Date of task allocation-</b>				
<p align="center"><b>Brief report on achievement by student-</b></p> <p>Requirement analysis has been done and a small list of all the important features the project will include has been prepared.</p>				
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>		
<b>Remarks / Instructions:</b>				
<b>Supervisor's Sign.</b> (1st meeting of week)		<b>Date</b>	<b>30-08-2021</b>	
<b>Supervisor's Sign.</b> (2nd meeting of week)		<b>Date</b>	<b>04-09-2021</b>	

<b>Week Number-</b>	<b>03</b>	<b>Date</b>	<b>From – 06-09-2021</b>	<b>To — 11-09-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Prepare the Use case and ER diagram along with a flowchart.</p>				
<b>Supervisor's Signature</b> (while Assigning task)				
<b>Date of task allocation-</b>				
<p align="center"><b>Brief report on achievement by student-</b></p> <p>Created a Use case diagram and an ER diagram with well defined relationships</p>				
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>		
<b>Remarks / Instructions:</b>				
<b>Supervisor's Sign.</b> (1st meeting of week)		<b>Date</b>	<b>06-09-2021</b>	
<b>Supervisor's Sign.</b> (2nd meeting of week)		<b>Date</b>	<b>11-09-2021</b>	

<b>Week Number-</b>	<b>04</b>	<b>Date</b>	<b>From – 13-09-2021</b>	<b>To — 18-09-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Learn the required technologies for the project while also searching for useful libraries</p>				
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>				
<b>Date of task allocation-</b>				
<p align="center"><b>Brief report on achievement by student-</b></p> <p>Started researching about various useful libraries with the capability of statistical representation and started learning react for the project but the complexity level was a bit high so we had to go do the basics again due to which we could not start working with react</p>				
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>		
<b>Remarks / Instructions:</b>				
<b>Supervisor's Sign.</b> <small>(1st meeting of week)</small>		<b>Date</b>	<b>13-09-2021</b>	
<b>Supervisor's Sign.</b> <small>(2nd meeting of week)</small>		<b>Date</b>	<b>18-09-2021</b>	

<b>Week Number-</b>	<b>05</b>	<b>Date</b>	<b>From – 20-09-2021</b>	<b>To — 25-09-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Start searching for APIs that can provide with fresh Covid-19 data.</p>				
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>				
<b>Date of task allocation-</b>				
<p align="center"><b>Brief report on achievement by student-</b></p> <p>We have begun searching for Covid-19 data APIs but given that this is being done in the month of September and Covid cases are on a decline, a lot of services have discontinued their APIs and we are getting stale data from these resources. However one resource was found with fresh data, but there was some internal problem on the backend side causing the data to not get parsed correctly.</p>				
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>		
<b>Remarks / Instructions:</b>				
<b>Supervisor's Sign.</b> <small>(1st meeting of week)</small>		<b>Date</b>	<b>20-09-2021</b>	
<b>Supervisor's Sign.</b> <small>(2nd meeting of week)</small>		<b>Date</b>	<b>25-09-2021</b>	

<b>Week Number-</b>	<b>06</b>	<b>Date</b>	<b>From – 27-09-2021</b>	<b>To — 02-10-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Resolve the problem with the data parsing on the backend.</p>				
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>				
<b>Date of task allocation-</b>				
<p align="center"><b>Brief report on achievement by student-</b></p> <p>The problem was posted in one of the forums on the internet regarding the data not getting parsed correctly and the response was to use “fetch” method instead of “https” module to parse the data. The problem has since been resolved but for the time being we are going with the stale data as per our guide’s approval and for testing purposes.</p>				
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>		
<b>Remarks / Instructions:</b>				
<b>Supervisor's Sign.</b> <small>(1st meeting of week)</small>		<b>Date</b>	<b>27-09-2021</b>	
<b>Supervisor's Sign.</b> <small>(2nd meeting of week)</small>		<b>Date</b>	<b>02-10-2021</b>	



<b>Week Number-</b>	<b>07</b>	<b>Date</b>	<b>From – 04-10-2021</b>	<b>To — 09-10-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Find a library for statistical data representation.</p>				
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>				
<b>Date of task allocation-</b>				
<p align="center"><b>Brief report on achievement by student-</b></p> <p>We found a library called chart.js which was found best for statistical representation of data. We have started reading the docs and implementing the samples to get a better sense of the workings of the library.</p>				
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>		
<b>Remarks / Instructions:</b>				
<b>Supervisor's Sign.</b> (1st meeting of week)		<b>Date</b>	<b>04-10-2021</b>	
<b>Supervisor's Sign.</b> (2nd meeting of week)		<b>Date</b>	<b>09-10-2021</b>	

<b>Week Number- 08</b>	<b>Date</b>	<b>From – 18-10-2021</b>	<b>To - 23-10-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Integrate the API of the library with the Covid-19 data API to test if the graphs are correctly being displayed or not.</p>			
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>			
<b>Date of task allocation-</b>			
<p align="center"><b>Brief report on achievement by student-</b></p> <p>We tested the Covid-19 data API with that of chart.js and found the graphs were being correctly displayed both in line and bar graph format. Other formats such as doughnut and pie chart were also tested but due to some shortcomings of the library, they could not be displayed properly so we will not be giving the option to view data in that format.</p>			
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>	
<b>Remarks / Instructions:</b>			
		<b>Date</b>	<b>18-10-2021</b>
<b>Supervisor's Sign.</b> (1st meeting of week)		<b>Date</b>	<b>23-10-2021</b>
<b>Supervisor's Sign.</b> (2nd meeting of week)		<b>Date</b>	<b>23-10-2021</b>

<b>Week Number-</b> <b>09</b>	<b>Date</b>	<b>From –</b> <b>25-10-2021</b>	<b>To – 30-10-2021</b>
<p align="center"><b>Task Assigned By Supervisor-</b></p> <p>Prepare the presentation</p>			
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>			
<b>Date of task allocation-</b>			
<p align="center"><b>Brief report on achievement by student-</b></p> <p>We prepared the presentation and attached the screenshots depicting the basic functionality of the project which is the hover to get data about the cases.</p>			
<b>Report of Supervisor-</b>		<b>Satisfactory/ Not Satisfactory/.....</b>	
<b>Remarks / Instructions:</b>			
<b>Supervisor's Sign.</b> (1st meeting of week)		<b>Date</b>	<b>25-10-2021</b>
<b>Supervisor's Sign.</b> (2nd meeting of week)		<b>Date</b>	<b>30-10-2021</b>

<b>Week Number- 10</b>	<b>Date</b>	<b>From – 08-11-2021</b>	<b>To – 13-11-2021</b>
Task Assigned By Supervisor-			
Supervisor's Signature <small>(while Assigning task)</small>			
Date of task allocation-			
Brief report on achievement by student-			
Report of Supervisor-		Satisfactory/ Not Satisfactory/.....	
Remarks / Instructions:			
Supervisor's Sign. (1st meeting of week)	Date	08-11-2021	
Supervisor's Sign.(2nd meeting of week)	Date	13-11-2021	

<b>Week Number- 11</b>	<b>Date</b>	<b>From – 15-11-2021</b>	<b>To – 20-11-2021</b>
Task Assigned By Supervisor-			
<b>Supervisor's Signature</b> <small>(while Assigning task)</small>			
<b>Date of task allocation-</b>			
Brief report on achievement by student-			
<b>Report of Supervisor-</b>	<b>Satisfactory/ Not Satisfactory/.....</b>		
Remarks / Instructions:			
<b>Supervisor's Sign.</b> (1st meeting of week)	<b>Date</b>	<b>15-11-2021</b>	
<b>Supervisor's Sign.</b> (2nd meeting of week)	<b>Date</b>	<b>20-11-2021</b>	

<b>Week Number- 12</b>	<b>Date</b>	<b>From – 22-11-2021</b>	<b>To – 27-11-2021</b>
Task Assigned By Supervisor-			
Supervisor's Signature <small>(while Assigning task)</small>			
Date of task allocation-			
Brief report on achievement by student-			
Report of Supervisor-		Satisfactory/ Not Satisfactory/.....	
Remarks / Instructions:			
Supervisor's Sign. (1st meeting of week)	Date	22-11-2021	
Supervisor's Sign.(2nd meeting of week)	Date	27-11-2021	

