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| **PERIOD** | **TASK** |
| 17JULY-2AUGUST | * Assessing the factors of the project * Detailed analysis of jaundice and hepatitis * Literature review of the disease and disease-causing pathogen * Analyzing the market available products |
| 3rd AUGUST - 7th SEPTEMBER | * Choosing the type of language for development * Determination of type of platform to be utilized * Development of code for every module in diagnostic device * Testing the code using the external sources * Testing the code using the Integrated environment |
| 8th SEPTEMBER - 30th SEPTEMBER | * Analyzing the components available in the market and comparing it with the required specifications * Searching for the hardware with the required features incase of unavailability * Determining that the market available hardware will be suitable * Enquiry of best market prices and choosing the place to purchase the component * Purchasing of components at the best market price |
| 1st OCTOBER - 30th OCTOBER | * Assembling the components purchased at the market * Checking for components malfunction and identifying the faulty hardwares * Designing of hardware at the basic level using breadboard * Combining the components into project after certain simulations |
| 1st NOVEMBER - 30th NOVOMBER | * Search for the places where the samples can be collected * Acquiring permission to collect the samples from the authorities with the help of institution * Purchase of components for collection and testing of samples * Collection of sample from the suitable places and analyzing it in the laboratory |
| 1st DECEMBER - 15th DECEMBER | * Testing the device with help of collected sample * Comparing the results of the device with the laboratory results * Analyzing and tuning the device for tuning the device for proper results |
| 16th DECEMBER - 30th DECEMBER | * Documenting the records of the entire work * Documenting the final project report |