**Weekly Progress Report (WPR)**

Domain of Engineering and Technology

**Amity School of Engineering and Technology**

 Week: 4 Duration: 20/06/2022 to 26/06/2022

|  |  |
| --- | --- |
| **To be filled by Student** | |
| Name of Student: | Sanjana |
| Enrolment No. | A2305220739 |
| Programme & Semester | B.Tech (4CSE) |
| Project Title finalized, if Yes, give name, if No, give reason(s) | Pollution detection using image processing |
| Synopsis submitted | yes |
| Literature review | nil |
| Technical & Economical Feasibility | yes |
| Bill of Material | nil |
| Project Progress Schedule (PERT Chart) | Week 1-knowing about image processing and platforms to implement it  Week 2- knowing about methodology  Week 3-implementing code for calculation  Week 4-Adding GUI for program |
| Design of critical components | yes |
| Fabrication work (give %) | 5% |
| Experimental work (give %) | 70% |
| Result and Analysis | Implemented code and found mathematical figures to measure pollution level using image processing. We can also represent this data using graphical representation for user convenience |
| Report writing | nil |
| Signature of student |  |
| Work done in this week: | Debugging the code in Visual Studio and implementing variance, covariance and their matrix to show final figures. |

|  |
| --- |
| **To be filled by Guide (strike off whichever is not applicable)** |
| Performance of students is satisfactory |
| Performance of students is unsatisfactory |
| A warning to be issued to student |
| Student was not well |
| **Date: Signature of Guide** |