**Weekly Progress Report (WPR)**

Domain of Engineering and Technology

**Amity School of Engineering and Technology**

 Week: 1 Duration: 30/05/2022 to 06/06/2022

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| **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 %) | 10% |
| Experimental work (give %) | 70% |
| Result and Analysis | Pollution can be detected by using different approaches and each have their own pros and cons. In image processing, scattering phenomenon play an important role for difference in visuality in an image |
| Report writing | nil |
| Signature of student |  |
| Work done in this week: | About pollution, sources, types, methods to detect it and image processing. Finding appropriate software for implementing this project |

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| **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** |