**Progress report of Week 2**

**Duration: 09/01/2024 to 15/01/2024**

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| **To be filled by Students** | |  |
| Project Title finalized, if Yes, give name, if NO, give reason | | Multispectral Land Cover Analysis and Change Detection for Assessing Environmental Dynamics |
| Synopsis submitted | | Yes |
| Literature review | | Yes |
| Technical & Economical Feasibility | | GPU required |
| Bill of Material | | NA |
| Design of components | | NA |
| Fabrication work (give %) | | NA |
| Experimental work (give %) | | 15% |
| Result and Analysis | | Tried and tested initial models and observed shortcomings. Understood where the source of error is. |
| Report writing | | Added new information to “Methodology” section of report |
| Work done in this week:   * Explored data preprocessing methods in detail. * Found new data formatting techniques which suit the project better. * Constructed initial Siamese model and tested on a small scale dataset. * Understood the shortcomings of the model and improving upon them | | |
| PERT Chart  joWkvPwWCf6KLrvALMFHVoDDr0uJVtNg3H5sDwy85meHmkedNjg1UhI_WDLoME280METV_JthPOAYlSnsS_W1F-dPzCMnfN4ZAQ_4lzdd4hK_6-hsjXEVVcRdfaA42dPDruZWN6fw_jO.png | | |
| Close-up of a signature  Description automatically generatedSignature of Student: | | |
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| To be filled by Guide (strike off whichever is not applicable) | | |
| |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |   Performance of students is satisfactory/ Unsatisfactory | | |
| |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  |   A warning to be issued to student(s) | | |
| Feedback given to students on current progress |  | |
| Task assigned for next week | * Improve upon the shortcomings and try running the model again * Check if changing data preprocessing pipeline affects the results * Try other models and compare the observations | |
| Date Signature of Guide | | |