Simulator Requirement Specification

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| --- | --- |
| Department Name | Civil Engineering |
| Class | Ty |
| Semester | 5 |
| Subject Name | Environmental Engineering 2 |
| Experiment No. | 2 |
| Experiment Name | Determination of TSS, TDS, TS |

Version History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Version Number | Created By | Approved By | Date |
| 1 | v1.0 | Akshay Devalapurkar | Prof. Sunil Mane | 17/11/2020 |
|  |  |  |  |  |

Detailed Requirement Specification

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| --- | --- | --- | --- |
| **Req. ID** | **Visual Entity Required** | **Requirement Description** | **Comments** |
| 1 | Petri Dish | To place filter paper |  |
| 2 | Oven | To heat the filter paper and water sample |  |
| 3 | Water Sample | To determine ts, tds, tss |  |
| 4 | Weighing Scale | To weigh petri dish, crucible, filter paper |  |
| 5 | Ash less Filter paper | To pass water through it. |  |
| 6  7  8  9  10  11 | Membrane filter holder  Crucible  Vacuum Pump  Beaker  Desiccator  Pipette | To place filter paper  To collect water sample and heat  To connect to the membrane filter  To initially take the water sample  To place filter paper and water sample in crucible to cool down  To take the water sample in beaker |  |