Simulator Requirement Specification

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| Department Name | Electrical Dept |
| Class | S.Y.B Tech |
| Semester | III |
| Subject Name | Analog Electronics |
| Experiment No. | 1 |
| Experiment Name | Half Wave Rectifier with Capacitor Filter. |

Version History

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| --- | --- | --- | --- | --- |
| Sr. No. | Version Number | Created By | Approved By | Date |
| 1 | v1.0 | Priya Yadav | Mrs. Sushmita Sharma | 13/10/2020 |
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Detailed Requirement Specification

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| **Req. ID** | **Visual Entity Required** | **Requirement Description** | **Comments** |
| REQ1 | Resistors | 100 ohm | The output of the R Load is V Load |
| REQ2 | Capacitors | 2257 micro farad | Connected in parallel with the R load |
| REQ3 | Transformers | (6-0-6) 750 mA | - |
| REQ4 | Diode | IN4007 | - |
| REQ5 | CRO | - | To measure waveforms |
| REQ6 | Multimeter | - | To measure voltage and current readings |
| REQ7 | Probes | - | - |