Simulator Requirement Specification

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| Department Name | Mechanical |
| Class | S.Y. B.Tech |
| Semester | I st |
| Subject Name | Thermal Engineering. |
| Experiment No. | 02 |
| Experiment Name | Determination of the flash and fire point of Lubricating oil. |

Version History

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| --- | --- | --- | --- | --- |
| Sr. No. | Version Number | Created By | Approved By | Date |
| 1 | v1.0 | Akash Salunkhe | Prof. Mr. Rohit Ghulanavar | 09/11/2020 |
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Detailed Requirement Specification

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| **Req. ID** | **Visual Entity Required** | **Requirement Description** | **Comments** |
| REQ1 | The text ‘Please select the Lubricating Oil’ |  |  |
| REQ | Empty box in front of the text ‘Lubricating Oil : ’ | It will provide the choice of 5 lubricating oils to the user.  User has to select one of these oils. |  |
| REQ | Button ‘CLEAR’ | It will clear the choice that user has previously made. |  |
| REQ | Button ‘RUN’ | It will run the simulation. |  |
| REQ | Empty box in front of the text ‘Flash Point : ’ | It will show the value of the Flash Point of the oil. | The value of the flash point is fixed for the oil which user has chosen. |
| REQ | Empty box in front of the text ‘Fire Point : ’ | It will show the value of the Fire Point of the oil. | The value of the fire point is fixed for the oil which user has chosen. |
| REQ | Button ‘RESET’ | It should reset the whole experiment. | If user wants to perform the experiment one more time he/she will be pressing this button. |