| Notes:(Record key insights from readings and discussions.) |
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| Week-7  Wednesday: -   * True value: the true value is the value that would be obtained by a perfect measurement. * Exact value: suppose if we assign y= 123.6 and if we print the value of the y, it will give the output as 123.6 without any error, this means the exact values cannot be changed. * Measured value: measured value is the value that is measured with of help of an instrument or by a person, this include error in the value. * Expected value: the value that is expected by us in a calculation or a measurement that is not calculated. * **Why do some values have error term?**  1. Some values have error associated with it because the value may vary from palace to place, like temperature varies from place to place, so we will give a error term to this value which defines the range of error.  * **How many significant digits does an error term has ?**  1. Normally the error term can have one significant digit.  * **How many digits should one use for pi and why?**  1. The minimum digits that we should use for pi is 39 digits, and the maximum digits are ten thousand.  |  |  |  |  | | --- | --- | --- | --- | | criteria | Measured Value FSM | Error Value FSM | justification | | Acceptance for string starting with “0” | no | yes | The error term FSM will accept the strings that are starting with “0”. | | Transitions in case 0 | 2 transitions | 3 transitions | The error term have an extra transition state to state 8 if the input entered is “0”. | | More precised value | no | yes | The error term fsm shows more precise value because of the range of the error term. | | No of states | 8 | 10 |  | | paths | 6 | 8 |  | |

| Deliverable Status | | | | |
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| Deliverables | What did you plan to accomplish | What did you actually accomplish | Size | Effort |
| Double calculator FSM | Working on the Double calculator to add the FSM cases.  Conduct team meetings to know the progress of the project and clear the doubts. | Working on Double calculator to update it with FSM,s according to the requirements.  Discussion was conducted in the team regarding the progress of the task and the doubts. | 30% | 1 hour |