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| **Testcase ID** | **Feature Type** | **Component** | **Test Scenario** |
| sensor\_01 | Functional | Microcontroller | toget the inputfromesp32microcontroller |
| sensor\_02 | Functional | Microcontroller | toconnectthe IBMdevice inwokwi |
| sensor\_03 | Functional | Microcontroller | need to send datato ibm watsoninjson form |
| ibmWatsonPlatform  \_01 | Functional | ibm watson | tosend data tonode red |
| NodeRed\_01 | Functional | node red | toverify thejson data received |
| MitAPP\_01 | UI | mitapp | toconnectthe developed apptomobile |
| mitAPP\_02 | UI | mitapp | need to display the data in app |
| mitAPP\_03 | UI | mitapp | Alarm alert is Turned on |
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| Date | 17.Nov.22 |
| Team ID | PNT2022TMID37462 |
| ProjectName | Industry-SpecificIntelligentFireManagementSystem |
| MaximumMarks | 4 marks |
| **Pre-Requisite** | **Steps ToExecute** |
|  | need to change the values indht22sensor |
|  | device id,device name,orgidare given |
|  | stimulate the output inwokwi and publish it in ibm watson |
|  | connectibm device in node red and writefunction in |
|  | check inlocal hostserver |
|  | 1.scan the QR code (or) 2.install theapp in mobile |
|  | check theappworkingstatus |
|  | when temperature greater than50 degree |
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| **TestData** | **ExpectedResult** | **ActualResult** |
| randomvaluesgenerated  need to display the value after connecting tdata produced in json format at wokwineed to display the charts in dashboardaftejson dataobtained fromibm watson  six digit code produced inmitappinventordata produced in json format at wokwi  data produced in json format at wokwi | need to readand display the output | Working asexpected |
| need to readand display the output  h | Working asexpected |
| need to readanddisplay the output inibm watson | Working asexpected |
| need to readand display the output indashboard | Working asexpected |
| json dataoutput is displayed indashboard | Working asexpected |
| Application need to getconnectedwithout any error | App working asexpected |
| need to display the outputproduced in | App working as exp |
| alarm is turned ON | App working as exp |
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| **Status** | **Commnets** | **TC forAutomation(Y/N)** | **BUG ID** | **ExecutedBy** |
| Pass |  | N |  | selva ganesh |
| Pass |  | N |  | sathanandha krishna |
| Pass |  | N |  | dharanendran |
| Pass |  | N |  | rahulSK |
| Pass |  | N |  | selva ganesh |
| Pass |  | N |  | rahulSK |
| Pass |  | N |  | sathanandha krishna |
| Pass |  | N |  | dharanendran |
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| **TestScenario** |
| **togettheinputfromesp32microcontroller** |
| **toconnecttheIBMdeviceinwokwi** |
| **needtosenddatatoibmwatsoninjsonform** |
| **tosenddatatonodered** |
| **toverifythejsondatareceived** |
| **toconnectthedevelopedapptomobile** |
| **needtodisplaythedatainapp** |
| **AlarmalertisTurnedon** |