# DEPARTMENTOFELECTRONICS&COMMUNICATIONENGINEERING

J.B.INSTITUTEOFENGINEERING&TECHNOLOGY,HYDERABAD

**IVB.Tech–IISem-(R20)-2021Batch**

AcademicYear:2024-2025

# WEEKLYPROJECTSTAGE-IIREPORT

Subcode:J4143 MARKS:30

PROJECTTITLE: IOT ENABLED SAFRTY AND ALERT SYSTEM DESIGNED FOR COAL MINES TO DETECT HAZARDS AND PROVIDE TIMELY WARNING.

BATCH ID:B6 WEEKNo.:01 WEEKDATES:

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| --- | --- | --- | --- |
| **Reg.Nos** | **Student Reported** | **Student signature** | **GuideRemark** |
| 21671A0471 | J.RAJU |  |  |
| 22675A0422 | B.MADHURI |  |  |
| 22675A0425 | CHAITHANYA |  |  |

Activity Completed:-

* Defined system architecture and finalized key components.
* Procured essential sensors and communication model.
* Integrated basic algorithms for hazard detection.
* Installed initial sensors in a controlled environment for testing

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| Plan for the next week: -   * Refine sensor calibration and test in a coal mine simulation. * Optimize data transmission and communication protocols. * Enhance hazard detection algorithms for improved accuracy. |
| **IFAnyRemark(By:Guide/Coordinator/HOD):** |

Approved on: