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| **Smoke Detection Evaluation Metrics** | | | |
| **Metrics** | **Sub-Evaluation Metrics & Scoring Criteria** | **Weightage** | **Total Score** |
| Assignments & Quizzes | Quizzes (Total – 4 Nos.) | 4 | 10 |
| Assignment-1 | 2 |
| Assignment-2 | 2 |
| Assignment-3 | 2 |
| Project Initialization and Planning Phase | Define Problem Statements | 3 | 10 |
| Project Proposal (Proposed Solution) | 3 |
| Initial Project Planning Report | 4 |
| Data Collection and Preprocessing Phase | Data Collection Plan & Raw Data Sources  Identification Report | 2 | 10 |
| Data Quality Report | 2 |
| Data Exploration and Preprocessing Report | 6 |
| Model Development Phase | Feature Selection Report | 5 | 15 |
| Model Selection Report | 6 |
| Initial Model Training Code, Model Validation and  Evaluation Report | 4 |
| Model Optimization and Tuning Phase | Hyperparameter Tuning Documentation | 6 | 10 |
| Performance Metrics Comparison Report | 2 |
| Final Model Selection Justification Report | 2 |
| Project Executable Files | Project Executable Files | 6 | 6 |
| Project Documentation | Project Documentation | 2 | 2 |
| Project Demonstration | Project Demonstration | 2 | 2 |
| Attendance | Attendance | 5 | 5 |
| Grand Assessment | Grand Assessment | 30 | 30 |
| **Overall** | | | **100** |