

## Lab - Work 7

List out the categories of reports and the required data to be represented with them. Also, determine the layout of the report that may be used by individual authorities of the intended organisation.

The categories of reports along with the required data and potential layouts for each :-

### 1. Quiz Completion Report

- Data Required

- Quiz details (time, date, duration)

- User details

- Score achieved

- Start and end times

- Layout

- Quiz completion summary

- Comparative analysis of quiz performance

### 2. User Performance Report

- Data Required

- User details (username, email)

- Quiz attempts

- Scores achieved

- Average performance

- Layout

- User wise summary with quiz attempts

- Graphical representation of performance report

- Comparative analysis of users.

### 3. Question Analysis Report

- Required Data

- Question details (type, difficulty)
- User responses
- Correct / incorrect answer
- Average time spent per question

- Layout

- Analysis of each question type
- Heatmap of correct and incorrect responses
- Time distribution for each question

### 4. Security and Integrity Report

- Required Data

- User access logs
- Security incidents
- Quiz attempts and completion logs

- Layout

- Integrity check and validations
- Recommendations for improvement
- Summary of security related event

### 5. Feedback and Survey Report

- Required data

- User feedback on quizzes
- Rating and reviews

- Layout

- Summary of user feedback
- Visual representation of survey reports
- Common themes in suggestions