

## Management Department –

### Managerial Style Definition:

In my capacity as TechNex Solutions' manager, I support transformative leadership. This strategy, which was first presented by Burns (1978) and then developed by Bass (1985), places a strong emphasis on encouraging team members to perform better while promoting an innovative and adaptable culture. Strong communication, clarity of vision, and a focus on empowerment and team building define my leadership style.

Department	Task	Deadline
R&D	Market Analysis Form Development	24 October,2023
R&D	Market Analysis Form Development	28 October,2023
R&D	Market Analysis Form Development	31 October,2023
R&D	Market Analysis Form Development	3 October,2023
R&D	Market Analysis Form Development	1 November,2023

### Review and Feedback:

Departmental assignments will be thoroughly reviewed in accordance with predefined standards, including quality, originality, and alignment with project goals. We'll offer constructive criticism to promote ongoing development and enhancement.

### **GitHub Document Submission:**

Project plans, departmental reports, and strategy documents are among the important documents that will be posted to GitHub for version control and collaborative editing. This guarantees openness in the project's development and makes progress tracking effective.

## **Research and Development Department – (2023287)**

### **Market Analysis Form Creation:**

We have created a thorough market study form that covers important topics including industry trends, competitor analysis, customer demographics, and prospective areas for innovation. The form is designed to be both user-friendly and intuitive, while simultaneously collecting important data.

### **Software/Application Research:**

Based on our research, Jira, a project management tool, Visual Studio Code, and Norton, a cybersecurity product, are among the necessary software and apps for project development. Every decision is supported by how well it advances the efficiency and goals of the project.

### **Prototype Development:**

Our Cyber-Physical System (CPS) security solution underwent multiple stages of prototype development. We began with a design thinking approach and went through several versions while taking user feedback into account. The integration of intricate security mechanisms was made easier by creative system design and coding.

# Final Report Structure – (2023287)

The criticism was included into a thorough revision of the original report. Important alterations consist of:

## Improved Organisation:

To facilitate easier navigation, a table of contents was added.

## Comprehensive Conclusion:

The conclusion was extended to highlight our dedication to cybersecurity innovation and to summarise our strategic vision.

## Harvard Style Referencing:

To ensure academic rigour and professionalism, the report was revised to incorporate in-text citations and a reference list in the Harvard style.

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THE SECUREDCPS INITIATIVE

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MILESTONES OF THE SECUREDCPS INITIATIVE

3.1 Extensive CPS Vulnerability Assessment

3.2 Development of Advanced Security Protocols

3.3. Real-World Simulation and Stress Testing

3.4. Feedback Integration and System Optimization

3.5. Market Introduction and Partnership Establishment

3.6. Ongoing System Evolution and Support

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## DEVELOPING PROCESS

- 4.1. Brainstorming
- 4.2. Deciding on the Company Goal
- 4.3. Manager Selection
- 4.4. Department Division

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## Planning Process – (2023287)

### Initial Plan:

The first plan's main goals were to identify the needs of the market, establish project goals, and designate departmental responsibilities.

### Detailed Plan with Department-Specific Tasks:

Deadlines were established and tasks were refined. R&D, for instance, concentrated on developing security protocols and assessing CPS vulnerabilities.

### Final and Revised Plan:

Based on early comments and difficulties faced, especially with the R&D and marketing strategy, changes were made.

### Gantt Chart:

To provide a visual timeline of the project phases and departmental responsibilities, the Gantt chart was updated to reflect these changes.

## **Manager Feedback and Final Analysis – (2023329)**

### **Managerial Feedback:**

The input highlighted the necessity of market-driven strategies in sales and marketing as well as innovation in R&D. emphasised how critical it is to coordinate technical advancement with clear, user-friendly interfaces and efficient communication.

### **Efficiency Analysis:**

Acknowledged the effectiveness of the Sales & Marketing department in creating a strong foundation for brand recognition and the R&D department's performance in developing prototypes. areas where market research application and interdepartmental coordination need to be improved were identified.