

GOOD MORNING!

早上好!

안녕하세요!

DAY 10

LAST DAY

- 9:30 – 2:15 p.m.
 - System Integration & Test
 - Final Presentation Prep
- 2:15 – 4:30 p.m. (45 min/team)
 - Live/Video(one-take) Demonstration 5~10 minutes
 - Presentation 15~20 minutes
 - Technical Sharing ~15 minutes
- 4:30 – 6:30 Equipment Return and Rap up

FINAL PRESENTATION MATERIAL PLANNING

- Solution Overview
- Key Issues and Challenges
 - How did you overcome
- Required Solution Improvements
- Lessons Learned
- Team Contribution
- 20 minutes

팀원과 업무 책임



- 업무 책임
 - ...
- 숙련된 기술
 -

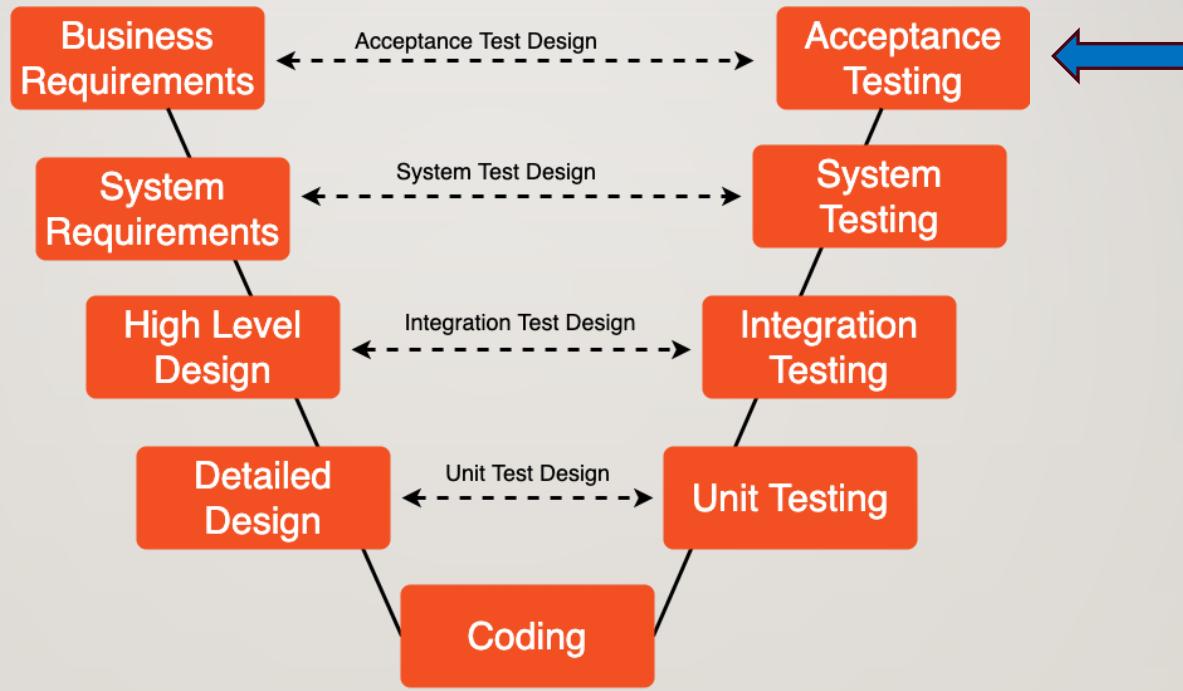
(평가 6) SYSTEM DESIGN DOC

산출물 구글드라이브

- https://drive.google.com/drive/folders/IAmPeoNG_nFoKaYIQh-Iw9OTtoDhEkHTW?usp=sharing

Before: Today, 13:00 p.m.

SYSTEM INTEGRATION & TEST



SDLC - V Model - notepub.io

(평가 7) FINAL PRESENTATION & DEMO

MANAGEMENT REMINDER

Each team must submit their report even though two team worked as one

지능I 산출물 제출 안내

↗ DAY 9

Aa 이름

- 지능I 1~2주차(C/D 그룹) 산출물 제출 안내

제출 기한

- 2026.01.26(월) 18:00 ~ 27(화) 18:00
- 제출 기한이 24시간이므로, 발표 전/후로 즉시 업로드 권장

References

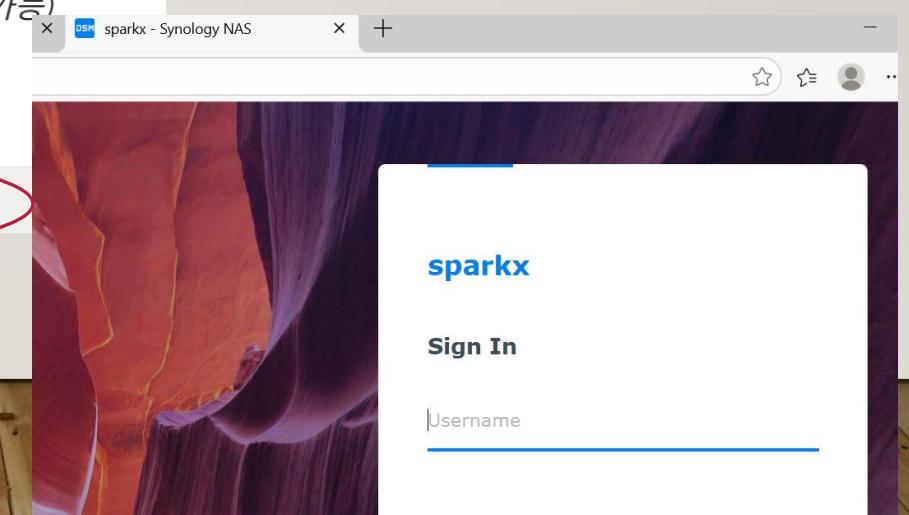
TurtleBot 4

- TurtleBot 4 common packages: <https://github.com>
- TurtleBot 4 desktop visualization packages: <http://>
- TurtleBot 4 simulator packages: <https://github.com>

제출 위치

- 제출 위치: ROKEY 서버(제출 기한에만 접근 가능)
- 로그인: 조장별 별도 안내된 ID/PW 사용
- 자세한 이용방법은 다음 파일 참고

 프로젝트_산출물_제출_방법.pdf 261.5 KiB



TYPICAL LARGE PROJECT METRICS

PROJECT SUCCESS METRICS

I. Project Completion Rate*

- - **Definition**: Measures the percentage of projects or tasks completed within the set deadlines.
 - - **Importance**: Helps assess the team's efficiency and ability to deliver on commitments.
-
- I. 프로젝트 완료율*
 - - **정의**: 설정된 기한 내에 완료된 프로젝트 또는 작업의 비율을 측정합니다.
 - - **중요도**: 팀의 효율성과 약속 이행 능력을 평가하는 데 도움이 됩니다.

PROJECT SUCCESS METRICS

2. Quality of Work

- - **Definition**: Evaluates the accuracy, functionality, and user satisfaction of the team's outputs.
 - - **Importance**: Ensures that not only are projects completed, but they meet or exceed expected standards.
-
- 2. 업무의 질
 - - **정의**: 팀 결과물의 정확성, 기능, 사용자 만족도를 평가합니다.
 - - **중요도**: 프로젝트가 완료되었을 뿐만 아니라 예상 표준을 충족하거나 초과하는지 확인합니다.

PROJECT SUCCESS METRICS

3. Innovation and Problem-Solving

- **Definition:** Assesses the team's ability to propose innovative solutions and effectively solve emerging problems.
- **Importance:** Crucial in fields like robotics and AI, where creative solutions can lead to significant breakthroughs.

3. 혁신과 문제 해결

- **정의:** 혁신적인 솔루션을 제안하고 새로운 문제를 효과적으로 해결하는 팀의 능력을 평가합니다.
- **중요성:** 로봇 공학 및 AI와 같은 분야에서 중요하며, 창의적인 솔루션이 중요한 돌파구를 마련할 수 있습니다.

PROJECT SUCCESS METRICS

4. Team Collaboration and Communication

- **Definition**: Gauges how effectively team members communicate and work together.
- **Importance**: Effective collaboration is essential for the interdisciplinary nature of robotics and AI projects.

4. 팀 협업 및 커뮤니케이션

- **정의**: 팀 구성원이 얼마나 효과적으로 의사 소통하고 함께 작업하는지 측정합니다.
- **중요성**: 효과적인 협업은 로봇 공학 및 AI 프로젝트의 학제 간 특성에 필수적입니다.

PROJECT SUCCESS METRICS

5. Individual Contribution and Development

- - **Definition**: Measures each team member's contributions to the team and their professional growth.
- - **Importance**: Ensures that all team members are engaged and growing, contributing to retention and morale.

5. 개인의 기여와 발전

- **정의**: 각 팀원의 팀에 대한 기여도와 전문성 성장을 측정합니다.
- **중요도**: 모든 팀원이 참여하고 성장하여 직원 유지와 사기에 기여하도록 합니다.

PROJECT SUCCESS METRICS

6. Adherence to Best Practices

- - **Definition**: Assesses compliance with industry standards and best practices in development, safety, and ethics.
- - **Importance**: Ensures the long-term sustainability and reliability of the team's outputs.

6. 모범 사례 준수

- - **정의**: 개발, 안전 및 윤리에 대한 업계 표준 및 모범 사례 준수를 평가합니다.
- - **중요도**: 팀 결과물의 장기적인 지속 가능성과 신뢰성을 보장합니다.

PROJECT SUCCESS METRICS

7. Feedback and Iteration

- - **Definition**: Evaluates the team's responsiveness to feedback and ability to iteratively improve products.
- - **Importance**: Critical in fast-evolving fields, ensuring products remain competitive and user-centric.

7. 피드백 및 반복 개선

- **정의**: 팀이 피드백에 얼마나 신속하고 효과적으로 대응하며, 이를 바탕으로 제품을 반복적으로 개선할 수 있는지를 평가한다.
- **중요도**: 변화 속도가 빠른 분야에서 핵심적인 요소로, 제품이 경쟁력을 유지하고 사용자 중심으로 발전하도록 보장한다.

PROJECT SUCCESS METRICS

8. **Resource Management**

- - **Definition**: Measures how effectively the team utilizes time, budget, and other resources.
- - **Importance**: Affects the project's overall efficiency and profitability.

8. **리소스 관리**

- - **정의**: 팀이 시간, 예산 및 기타 리소스를 얼마나 효과적으로 활용하는지 측정 합니다.
- - **중요도**: 프로젝트의 전반적인 효율성과 수익성에 영향을 미칩니다.

PROJECT SUCCESS METRICS

9. Learning and Adaptability

- - **Definition**: Gauges the team's ability to learn from experiences and adapt to new technologies or methodologies.
- - **Importance**: Essential for keeping pace with technological advancements and market demands.

9. 학습과 적응성

- - **정의**: 경험을 통해 학습하고 새로운 기술이나 방법론에 적응하는 팀의 능력을 측정합니다.
- - **중요성**: 기술 발전과 시장 수요에 보조를 맞추는 데 필수적입니다.

PROJECT SUCCESS METRICS

I0. Customer Satisfaction and Impact

- - **Definition**: Assesses the satisfaction of end-users and the impact of the project or product on the intended audience.
- - **Importance**: Ensures that the team's efforts are aligned with user needs and contribute positively to the target domain.

I0. 고객만족 및 영향

- - **정의**: 최종 사용자의 만족도와 프로젝트 또는 제품이 의도한 청중에게 미치는 영향을 평가합니다.
- - **중요도**: 팀의 노력이 사용자 요구 사항에 부합하고 대상 도메인에 긍정적으로 기여하는지 확인합니다.

MATERIAL RETURN & ISSUES REPORT



EQUIPMENT RETURN (AMR)

- List all HW/SW issues on a Post-It node and attached to the AMR/PC
- Return oakd config file to original
- Return the settings to original state
 - For example:
 - AMR to NOT move backward
 - AMR to NOT publish images when docked
- Delete/uninstall all personal workspaces; files; and programs
- Reconnect to the WIFI router as instructed
 - Teams 1&2  turtle07
 - Teams 3&4  turtle08
 - Teams 5&6  turtle09
- Change ROS_DOMAIN_ID back to the original team number (i.e. 1~6)
- Confirm changes with me or TA
- Shutdown AMR

EQUIPMENT RETURN (PC)

- Victus & MSI PC's
 - Reinstall unbuntu 22.04 using the boot USB
- Confirm changes with me or TA
- Shutdown PC
- Return all boot USB back to me

EQUIPMENT RETURN (LIVING BOX)

- List Check
- Turn off RC car and remote
- Return all other borrowed items to me

DEPARTING REMARKS

YOU ARE A MIRACLE!!

- **For Men:**

1. Probability of marrying: 50%

2. Probability of having children if married:
98.3%

3. Probability of having a healthy child:
97.5% (average of 97% and 98%)

- Combined probability for men:
 $0.50 \times 0.983 \times 0.975 = 0.478$ or **47.8%**

- **For Women:**

1. Probability of marrying: 70%

2. Probability of having children if married:
98.3%

3. Probability of having a healthy child:
97.5% (average of 97% and 98%)

- Combined probability for women:
 $0.70 \times 0.983 \times 0.975 = 0.670$ or **67.0%**

YOU ARE A MIRACLE!!

- 인간 배아 발생의 각 단계와 관련된 확률 및 통계적 결과
- **Fertilization Probability:** $\approx 1 \times 10^{-8}$
- **Implantation Success:** 0.3
- **Successful Development:** 0.97
- Combining these probabilities gives a rough estimate for the entire process:
 $1 \times 10^{-8} \times 0.3 \times 0.97 \approx \underline{2.9 \times 10^{-9}}$

**YOU ARE A MIRACLE!!
BUT...**

존중 vs 존경

Honor vs Respect

CREATE **YOUR** LIFE MOTTO

**Faith, Honor,
Integrity**

CREATE **YOUR** PERSONAL VALUE

- Faith
 - Believe/Honor
- Honor
 - Respect
- Integrity
 - Do/be what you say



프로젝트 RULE NUMBER ONE!!!

Have Fun Fun Fun!

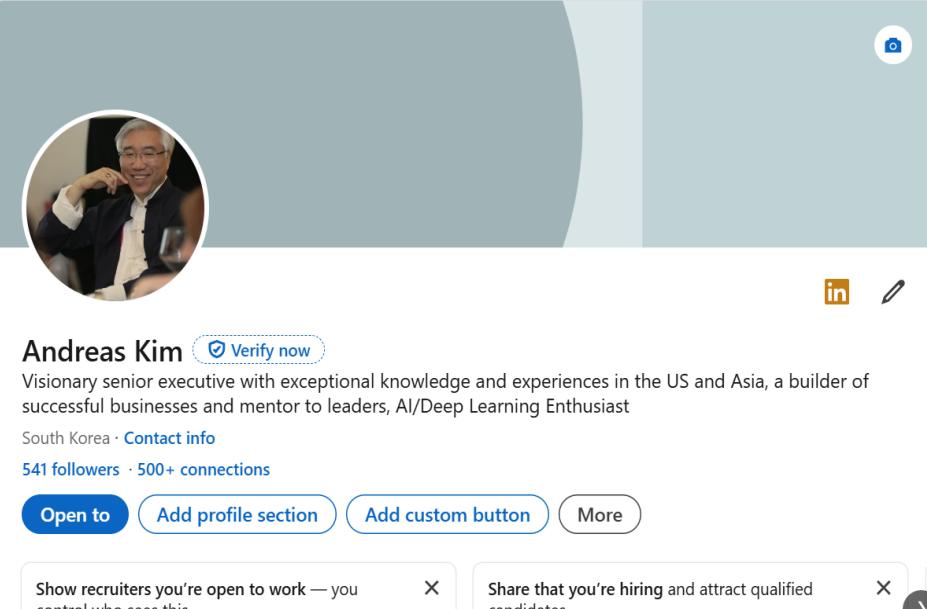


프로젝트 RULE NUMBER ONE!!!

Was it Fun?



<https://www.linkedin.com/in/kimandreas/>

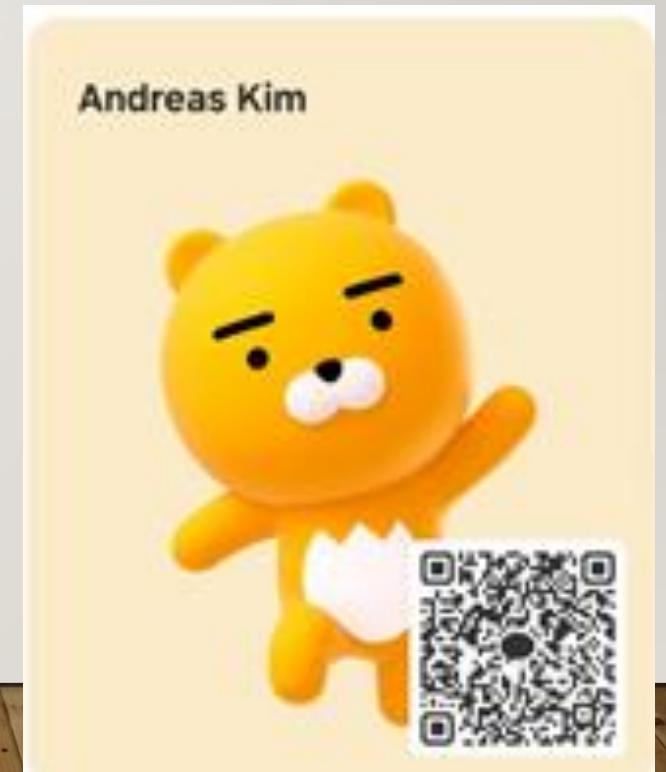


The LinkedIn profile page for Andreas Kim features a large circular profile picture of him smiling. Below the picture, his name "Andreas Kim" is displayed with a "Verify now" button. His bio reads: "Visionary senior executive with exceptional knowledge and experiences in the US and Asia, a builder of successful businesses and mentor to leaders, AI/Deep Learning Enthusiast". He is located in South Korea and has "Contact info", "541 followers", and "500+ connections". Action buttons include "Open to", "Add profile section", "Add custom button", and "More". A sidebar on the right shows "Profile language" set to English and "Public profile & URL" as www.linkedin.com/in/kimandreas. It also displays a promoted advertisement for "LinkedIn Talent Solutions" with the tagline "Andreas, hire more effectively." and a "Get started" button.

<https://www.linkedin.com/in/kimandreas/>

KakaoTalk

010-4375-8838





Thank
YOU!!

谢谢

감사

합니다