

# Student Assistant (NTU Intern)- Telecommunication Engineering

## Objective:

To provide foundational knowledge of telecommunication system in energy industry, hands-on exposure to telecom systems studies, support engineering design and documentation tasks.

## Program:

Onboarding and foundational training (Week 1 - 2)

- a) Orientation and introduction (safety briefing, company overview, team introduction, company policies and guidelines, internship goals)
- b) Assignment of Mentor
- c) Introduction to telecommunication systems in energy industry

Engineering design and documentation (Week 3 – 6)

- a) Understanding of telecom system integration process
- b) Understanding of engineering drawing and documentation
- c) Assist in actual projects drawings and documents preparation
- d) Assessment / Review

System knowledge training and practice (Week 7 – 10)

- a) Theory of Coverage studies (PAGA (or) CCTV (or) Radio (or) Wi-fi coverage study)
- b) Practical application
- c) Assessment / Review

Workshop exposure and support (Week 11 – 14)

- a) Safety introduction, Toolbox talk in workshop
- b) Understanding of testing procedures, material checklist
- c) Assist equipment setup, labeling, checklist verification, testing
- d) Assessment / Review

Independent Tasks and assignments in projects (Week 15 – 19)

- a) Assignment to project (coverage study simulation, document verifications)
- b) Review, correction and final presentation of assigned tasks

Final Review & Presentation (Week 20)

- a) Presentation of the tasks learned
- b) Completed tasks
- c) Suggestion for improvement
- d) Feedback from mentor

## Qualifications:

- Currently pursuing or recently graduated with a degree in Telecommunications, Electrical & Electronics Engineering, Computer Engineering, IT, or a related field with **NTU**
- Strong interest in learning about telecommunications and project engineering.
- Good organizational and documentation skills.
- Basic understanding of engineering drawings and technical documentation is an advantage.
- Willingness to learn, proactive attitude, and ability to work collaboratively in a team environment.
- Proficiency in Microsoft Office (Excel, Word, etc.) and good communication skills in English (spoken and written).