



CAREER MAP

Electrical & Electronics Engineering

1

Foundational mix of engineering theory, practical laboratory skills, mathematics, digital competence, communication, and interdisciplinary awareness needed for progression in Electrical and Electronics Engineering.

2

Courses deepen students' competence in power systems, electrical machines, instrumentation, electronics, communication systems, programming, and advanced mathematical analysis, while strengthening practical engineering application through laboratory training & industrial attachment.

3

Equip students with advanced skills in power electronics, automation, communication systems, electrical installation, safety, maintenance, and power system operation, while also building research, computational, and industry readiness through seminars & internship.

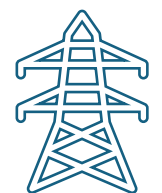
4

Courses prepare students for modern engineering practice by integrating networking, mechatronics, programming, artificial intelligence, smart energy systems, advanced telecommunications, entrepreneurship, ethics, and project-based problem solving for professional & innovative career development.



Orientation on career opportunities in E&EE and emerging fields

Joining University Engineering clubs



Industrial Tours



CV clinic

4

Capstone Project

Transition

2

Holiday Industrial attachments

3

Job readiness seminars

1

Industrial attachment

Graduate attributes

- ✓ Technical competence
- ✓ Systems analysis
- ✓ Digital proficiency
- ✓ Industry readiness
- ✓ Professional ethics
- ✓ Innovation mindset

Career Pathways

Power systems

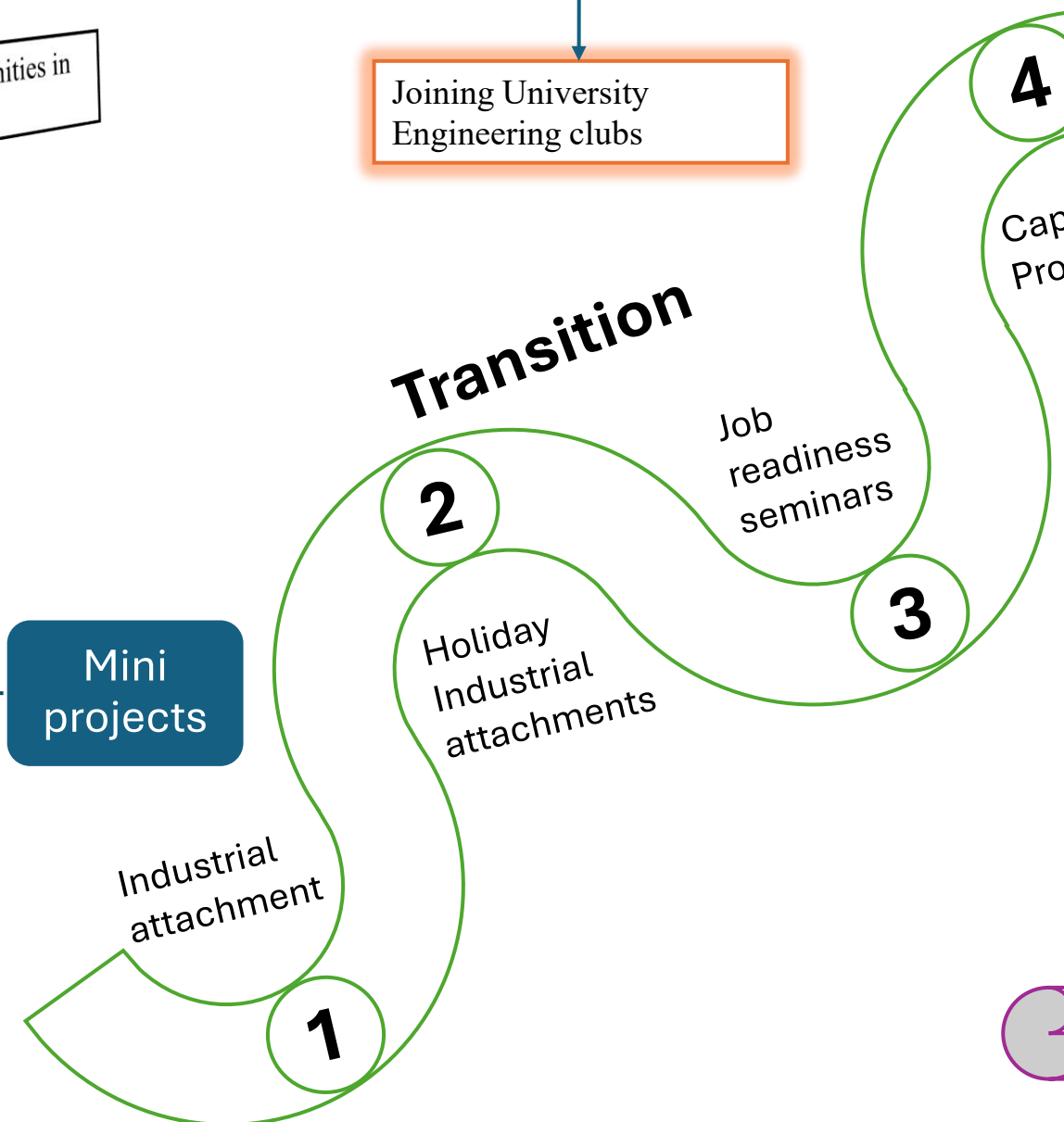
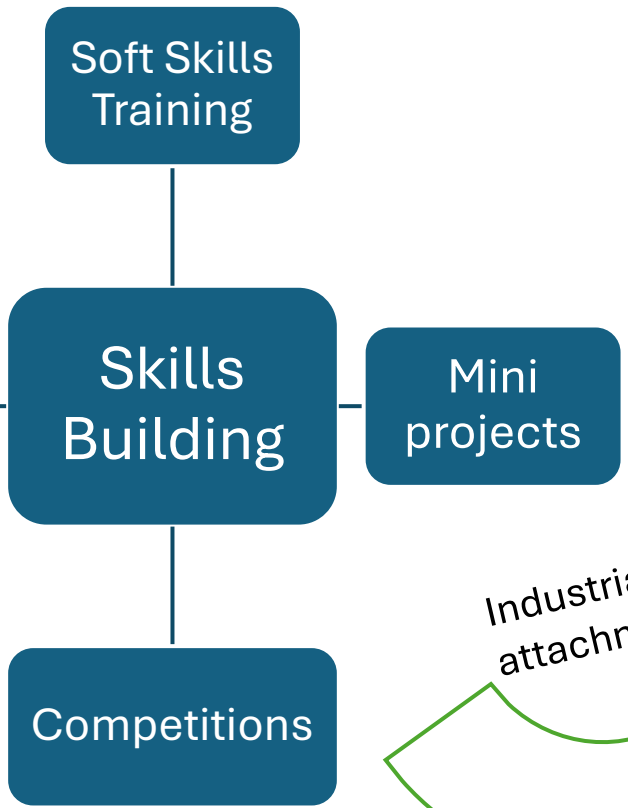
[Power systems engineer](#); [Opportunities](#); [Career Tips for Electrical Engineers in Power Systems](#); [Why Pursue a Career in Power Systems Engineering](#)

Renewable Energy

[Renewable energy engineer](#); [Careers in Energy and Natural Resources](#); [Career Opportunities in Renewable Energy | ET Career Talks](#)

Telecommunications

[Networking Specialist](#); [Equipment Installers and Repairers, Except Line Installers](#); [Web Developer](#); [Automation and robotics](#); [Installation & maintenance](#)



Career Pathways

Power systems

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