



Annexure A

Position: Research Engineer (Systems Engineer)
Theme: Embedded Systems
Project: ERTOS-2
Location: NRL
Supervisor:

Position Profile:

Contribute to the research activity at NICTA in the Trustworthy Embedded Systems project in alignment with NICTA's objectives, including research, and commercialisation, education and linkages.

Accountability and Associated Responsibilities:

- Contribute to the team's research activity,
- Support the team to achieve the highest international standards of research,
- Design, implement, test and evaluate system-software components
- Research existing approaches and their applicability, and adopt/enhance as needed
- Understand, critically assess and evaluate locally developed as well as externally-sourced systems or components
- Develop project documentation and write reports on evaluations
- Contribute to publications,
- Maintain high ethical and performance standards.

Essential Requirements:

- Degree qualification in Computer Science, Computer Engineering, or related discipline; or close to degree
- Strong understanding of operating systems design and implementation
- Demonstrated systems skills, especially the ability to understand and modify large software systems
- Strong C programming skills, especially with low-level software
- Highly self-motivated and willing to learn new technology,
- Commitment to ethical and professional standards,
- Good communication skills, both oral and written;
- Understanding of EEO and OH&S principles and willingness to comply with them.

Desirable Requirements:

- Experience with hardware design or formal methods,
- Research achievements related to the team's research area,
- Industry research and development experience or success at research interactions with industry.