

Job Description

Job Title:- **Principal Software Engineer**

Reporting to: - **Engineering Team Leader**

Purpose:-

To contribute to the design, development, testing and support of ESL products and associated research activities undertaken by the Engineering Team. To be responsible for architectural design, implementation and after sales support of both PC-based and embedded software for standard products and developmental systems.

Responsibilities:

1. To perform innovative design for new and enhanced products, and to see those designs through to efficient production, test and integration.
 2. To provide support for members of the software design team to achieve project, technical, business and personal improvement, objectives. With the Engineering Team Leader set and review objectives (PMPs) for each member of the software design team.
 3. To interpret requirement specifications and to propose cost effective system solutions exploiting existing ESL technology and identifying and minimizing where new designs are required.
 4. To support products throughout their lifetime. In particular, maintaining a cost effective design in the face of changing technology and obsolescence issues and keeping products up to date with emerging customer requirements. In addition, to provide direct assistance to customers when required on technical issues, including experimental trials.
 5. To work towards the collective growth and improvement of the Engineering Department and its working practices. In particular to own the Software Design Process and acquiring appropriate design tools for minimizing costs and maximizing productivity in conjunction with the Engineering Team Leader and the Chief Technologist.
 6. To provide technical support to the efforts of Marketing in the acquisition of new business.
 7. To manage the labour and material spend on work packages, thus meeting or improving on agreed budgets. To provide support to Programmes in technical decisions and estimating at project reviews.
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