

Technology Architect

Job Code 50010669

General Description

Conduct, participate in and document the research and testing required to define the architecture and technology needs of the university based on new and emerging technologies. Provide input and data needed to establish priorities and develop strategies, consistent with the university's vision, mission and goals.

Examples of Duties

Monitor and assess emerging technologies, and evaluate applicability and impact on current and future efforts.

Work with faculty, researchers and information technology leaders and experts to identify emerging technologies and to discover where those technologies match emerging use and strategic needs.

Participate in the creation of and maintain the documentation for the enterprise architectural vision and strategy for the university.

Contribute to the development of architecture road maps and standards, and support the progression of key technologies along with spectrum from early innovation and adoption, to generalization and dissemination, to integration with infrastructure services.

As technologies become viable, assist in the development of strategies and plans for integrating those technologies into the campus infrastructure, working closely with technical operational units to identify and document the resources required for developing and maintaining as production services.

As technologies become obsolete, provide assistance with the development of strategies for transitioning away from them.

Identify security issues that will require consideration during technology discussions and planning.

Aid in the definition and documentation of architecture principles, styles and standards for systems across the enterprise.

Assist in the establishment and implementation of standards and guidelines for the design of technology solutions including architecting and implementing solutions requiring integration of multiple platforms, operations systems and applications across the enterprise.

Project Management activities including maintenance of PMM documentation requirements for architecture projects and other projects as assigned.

Provide support for the education of both IT and University leadership on opportunities to build better IT solutions.

Participate in the coordination of efforts to articulate, discuss and publicize technology strategies.

Play an active role in the regional and national community, tracking technology changes.

Knowledge, Skills, and Abilities

Knowledge of: The University's organization and the identities, roles, and responsibilities of key technology players; current and emerging technology trends; university's and the division's visions, missions, goals and objectives.

Skill in: Problem solving and decision making; team work, establishing rapport with other universities and vendors; interpreting complex and technical documents; communication.

Ability to: Prepare clear and accurate documents; explain technical material; contribute to the creation of the vision and strategy; work at an abstract level; grasp implications of changing technologies and strategies; balance technical elegance with functional requirements and practical benefits; maintain enterprise viewpoint; effectively participate in discussions with IT and the campus on opportunities to build better IT solutions; provide assistance; translate strategic plans into viable projects and project plans.

Experience and Education

To qualify for this classification, an individual must possess any combination of experience and education that would likely produce the required knowledge, skills, and abilities.

Other Requirements