conaic

SPECIFIC COMPETENCES (OUTCOMES) OF PROFILES ASSESSED BY CONAIC DEFINED BY ANIEI AND CONAIC

Bachelor degree in Information Technology – A

Specific competences, Profile A:

CURRICULUM PERIODS

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COMPETENCE (OUTCOME)		**Improves Organizational Processes**						**Proposes and evaluates projects on information technologies**		**Establishes mechanisms for computer auditing**		**Develops solutions in several application domains, making use of software engineering principles and methods**		**Describes database basic concepts**		**Manages Database Systems**		**Employs the Software Industry Best Practices**		**Determines the appropriate hardware and software platforms**		**Designs the strategic plan using IT**		**Proposes Comprehensive Computer Solutions**		**Builds business applications**		**IT Project Management**	
Attribute		Uses Administrative Theory principles, administrative process and the organization's characteristics.		Recognizes the context of the organization (public and private).		Applies the theories of administration (Business Page 3 of 11 Process Management) to improve the performance of organizations.		Recognizes Management needs in a system using techniques to identify, collect, analyze, prioritize, document, verify and validate requirements in the environment and processes in the development of computer systems .		Creates or proposes methods and strategies for carrying out audits (documentation and monitoring of standards). Applies Computer Audits .		Capacity to analyze, design and build applications in desktop, mobile or network environments, choosing the appropriate paradigm and programming languages.		Describes concepts such as Database, Database Management System, Relational, Hierarchical and Network Database.		Manages access control and user authorization, in addition to optimizing hardware and software resources needed for these systems. Develops routines and triggers to automate some tasks of the system itself and of the databases. Describes and applies database concepts to improve performance and provide greater security, as well as data warehouse, OLAP, Data Mining, Big Data, Data		Describes and uses Best Practices concepts in the provision of Information Technologies Services based on International Quality Standards.		Define, evaluate and select relevant hardware and software platforms to enable the development and implementation of systems, services and applications.		Uses different planning processes and computer projects in order to align IT area's objectives with Organization's objectives, so as to achieve a sustainable value generation.		Understands the needs of the organization, Information Systems, modeling and design of Information Systems, organizational processes.		Develops new business models that take advantage of technological innovations. Analyses, develops and builds information systems in order to model situations of the real environment, solve problems, and optimize decision-making to support the organization's Management.		Applies a systematic methodology to initiate, plan, execute, monitor and close IT projects; manages the team, communication, calendar, resources, risks, and quality of the project.	
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