



O.1. There is full awareness and acceptance of the VGMO by the administrators, faculty, staff, students and other stakeholders.

| | | | |
|--|---|---|--|
| <div><div></div><div><div>Republic of the Philippines</div><div>Eulogio "Amang" Rodriguez Institute of Science & Technology</div><div>Cavite Campus</div><div>General Mariano Alvarez, Cavite</div></div></div> <div><div></div><div>OUTCOME-BASED EDUCATION</div></div> | | | |
| OUTCOME-BASED TEACHING AND LEARNING (OBTL) PLAN | | | |
| <div>INSTITUTE PHILOSOPHY</div> <ul style="list-style-type: none">As a state college, Eulogio "Amang" Rodriguez Institute of Science and Technology (EARIST) believes that the education is not an area of knowledge that can be arrogated unto itself by one profession, nor it is a division separate and distinct from the society and the times in which it flourishes. It is a plexus of knowledge and skills applied to the economic, social and moral development of a self-actualized and productive citizenry. | | <div>INSTITUTE MISSION</div> <ul style="list-style-type: none">Turn out vocationally, technically, technologically, and scientifically trained graduates who will be economically productive, self-sufficient, effective, responsible, and disciplined citizen of the Philippines. | <div>INSTITUTE VISION</div> <ul style="list-style-type: none">EARIST is envisioned to be a center of excellence in trades, business, arts, science and technology education. <div>INSTITUTE CORE VALUES</div> <ul style="list-style-type: none">E – ExcellenceA – AccountabilityR – ResourcefulnessI – IntegrityS – ServiceT – Teamwork |
| <div>COLLEGE GOALS</div> <ul style="list-style-type: none">To develop the students' ability to acquire knowledge and information, think logically; analyze confidently, express oneself creatively with high moral awareness and responsive social responsibility.To encourage students to realize the importance of reaching personal and professional goals through self motivation, individual growth and pursuit of excellence.To foster students' development of lifelong competence and interest to conduct research and investigation on science, technology, economy and industry.To provide avenues for students' involvement in extension and production programs for professional and community development in preparation for employment in their specific career fields. | <div>PROGRAM GOALS</div> <ul style="list-style-type: none">The BS Computer Science Program aims to become globally competent, innovative, and socially and ethically responsible computing professionals engaged in life-long learning endeavors. | <div>PROGRAM INTENDED LEARNING OUTCOMES (PILO)</div> <div>Graduates of BS Computer Science must be able to:</div> <div>(Common to all programs in all types of schools)</div> <ol style="list-style-type: none">articulate the latest developments in their specific field of practice;effectively communicate orally and in writing using both English and Filipino languages;work effectively and independently in multi-disciplinary and multi-cultural teams;demonstrate professional, social, and ethical responsibility, especially in practicing intellectual property rights and sustainable development;preserve and promote "Filipino historical and cultural heritage" (based on RA 7722); <div>(Common to the Computing Studies Disciplines)</div> <ol style="list-style-type: none">analyze complex problems, and identify and define the computing requirements needed to design an appropriate solution;apply computing and other knowledge domains to address real-world problems;design and develop computing solutions using a system-level perspective;utilize modern computing tools; <div>(Specific to BS Computer Science)</div> <ol style="list-style-type: none">apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, <div>and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defines problems and requirements;</div> <ol style="list-style-type: none">identify, analyze, formulate, research literature, and solve complex computing problems and requirements reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines;ability to apply mathematical foundations, algorithmic principles and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices;knowledge and understanding of information security issues in relation to the design, development and use of information system;design and evaluate solution for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations;create, select, adapt and apply appropriate techniques, resources and modern computing tools to complex computing activities, with an understanding of the limitations to accomplish a common goal;function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings; <ol style="list-style-type: none">communicate effectively with the computing community and with society at large about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions;ability to recognize the legal, social, ethical and professional issues involved in the utilization of computer technology and be guided by the adoption of appropriate professional, ethical, and legal practices.Recognize the need, and have the ability, to engage in independent learning for continual development as computing professional; <div>(Common to a horizontal type as defined in CMO No. 46, s. 2012)</div> <ol style="list-style-type: none">show ability to participate in various types of employment, development activities, and public discourses particularly in response to the needs of the communities one serves; and, <div>(Common to all graduates of State Universities and Colleges as required in RA 7722 otherwise known as Higher Education Act of 1994)</div> <ol style="list-style-type: none">develop competencies to support national, regional and local development plans. | |