معاهد العبور
Obour Institutes
عضو إتحاد الجامعات العربية
عضو المجلس العربى لتدريب الطلاب

Obour High Institute
for Management & Informatics

Quality Assurance Unit – QAU

Summary of the Scientific Research Plan

(Academic year 2017/2018)

(Accredited by Board Resolution No. 2 dated 11/1/2017)

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(1) Introduction:

Obour High Institute for Management & Informatics is an Egyptian institute that strives to develop and create a scientific research environment for faculty members and the assisting staff, as the board supports the innovative, creative and exploratory thinking that aids in achieving the Institute's vision and mission.

Hence, the research plan is directed towards serving the community and the surrounding environment, and seeks to achieve the objectives of sustainable development in the Egyptian society in accordance with Egypt's vision 2030.

Obour High Institute for Management & Informatics in brief

- Affiliated to the Ministry of Higher Education, was established under Ministerial Decree No. 638 year 1999.
- Affiliated to the Egyptian Society for Quality and Training, which was established under Ministerial Decree No. 1025 year 1997, (a non-profit organization).
- Academic activities launched in the academic year 1999/2000, and operates with the semesters system.
- Includes four major programs: (1) Business Administration, (2) Accounting, (3) Information Systems, & (4) Computer Sciences.
- Member in the Association of Arab Universities since its inception, the Arab Council for Training Arab University Students, and the Arab Union for Youth and the Environment.

Vision:

"To be among the top ten Egyptian high education entities during the next decade, and to effectively contribute in achieving objectives of sustainable development in the Egyptian society".

Mission:

"The management institute contributes to providing the local labor market needs of specialists in accounting, management, information systems and computer science, through a high-quality educational and research process consistent with national standards while adhering to ethical and professional rules, as well as continuous interaction with various societal parties in a way that contributes to achieving developmental, economic and social objectives" .

(2) Methodology for preparing research plan

1- Developing a proposed structure for the plan and defining the research objectives in light of (the vision and mission of the institute - Egypt 2030 vision - the needs of society).
2- Gathering the available data to formulate and prepare elements of the research plan - Sources of data from the faculty members regarding the vision of the scientific departments and of the existing research topics.
3- Reviewing the proposals of research topics submitted by the scientific departments and their consistency with the research objectives of the institute.
4- Determining the resources required to implement the plan - an estimated budget for spending on the unit's activities shall be drawn up annually, in light of the disbursement mechanisms in force in the Covenant.
5- Formulating the plan and presenting it to the scientific departments - An initial copy of the research plan was prepared and presented to the scientific departments for discussion and opinion.
6- Plan accreditation and declaration by the Board of Directors - Plan was finalized, discussed in the Board of Directors, and approved.
7- Preparing annual executive plans - including the timetable for achieving the outputs and activities for the goals that have been identified and agreed upon.

(3) Core Values:

- Excellence and precedence.
- Quality (continuous improvement and development, and mastery).
- Professional ethics.
- Teamwork.
- CSR- Community Services Responsibility

(4) Research plan strategic directions

Objectives

Obour High Institute for Management & Informatics aims to develop a long-term research plan that reflects the integrated methodological framework for the academic and scientific aspects on one hand, and to study the extent of the gap between what is available and what is required to achieve objectives on the other hand.

Within the framework of this methodology, the research plan relied on the vision, mission and objectives of the engineering institute, and the formulation of a comprehensive research plan for all scientific programs in line with national standards and ethical and professional rules, knowledge transfer and continuous interaction with various societal parties in a way that contributes to achieving the goals of economic and social development, and linked to Egypt's strategic plan represented by the Sustainable Development Strategy - Egypt 2030.

Elements of implementing the research plan:

1. Availability of financial resources.
2. Development of the infrastructure of equipped laboratories, halls, library and information networks.
3. Benefiting from the state's plan to support education and scientific research.
4. Developing cooperation with civil society organizations and industrial organizations surrounding the institute.

Elements of the research plan's success:

Success of the research plan depends on developing a comprehensive vision for the elements of the plan that corresponds to the capabilities of the institute and its needs and levels of research, which must be taken into account, whether at the level of meeting the research needs of the institute or compatibility with the country's trends represented in the vision of Egypt 2030, and keeping pace with the latest technologies and global research trends. The success of the research plan also depends on:

1. The belief of the human power in the heads and faculty members, assisting staff and administrators that the research plan of achieves the appropriate scientific form, which leads to effective participation in the implementation of what is required and which will not be accomplished except by the efforts of everyone.
2. Commitment, desire, and willingness to achieve the required trends of research.
3. Commitment to issue an annual completion report to follow up on the plan's work.
4. Providing the necessary resources to complete the terms of the plan at the appropriate level.

(5) Research plan orientation:

Over the next five years, the management institute focuses on the research problems that are addressed on several main directions, namely quality and excellence, with a focus on creating new concepts for the advancement of scientific research and community development in general, and encouraging support for local, regional and international partnership by maximizing the benefit from; participating in the membership of the Association of Arab Universities, and participation in the membership of the Arab Council for Training

(6) Research plan axes:

In light of the general orientation of the research plan, the scientific departments have defined their research axes as follows:

Scientific Dept.	Research Plan Axes
Human Sciences	1- Youth development in the Egyptian society 2- Tourism investment for people with needs 3- The economic generosity of the community 4- Innovations and their role in economic development 5- Economic intelligence towards the rationalization of relations 6- The effects of accounting auditing towards economic development 7- The future of renewable energy in the Arab world 8- The role of small industries in society 9- Critical analysis of the English language 10- The role of educational institutions in building the knowledge economy 11- Investment legislation and its role in stabilizing investors 12- Banking and its role in social responsibility 13- Tourism and its role in economic growth 14- Biodiversity and its impact on building the economy 15- The role of small enterprises in society 16- Modern methods of management and their impact on companies 17- Activating tourism and its role in achieving sustainable development 18- The future of renewable energy in the Arab world 19- Citizenship and its role in developing the Egyptian economy
Accounting	1- Narrative disclosure and circulation in the stock market 2- The language of XBRL business reports and its effect on financial reports 3- Taxes and their impact on the development of the tourism sector 4- Integrated business reports and their role in improving financial reports 5- Information technology and its role in controlling auditing standards 6- Trading in gold and its impact on industrial companies 7- Accounting education and a course in achieving sustainable development 8- Human capital and its impact on achieving sustainable development 9- Management information systems and their role in improving education system 10- Taxes and their impact on achieving sustainable development 11- Sustainable development and its impact on financial reports 12- Audit activities and their role in achieving sustainable development 13- Analyzing financial accounting frameworks 14- Analyzing financial reports 15- Social responsibility and its role in improving marketing values 16- Studies on value-added tax 17- Problems of the practical application of income tax 18- Leveraging the audit quality of the external auditor

Scientific Dept.	Research Plan Axes
Business Administration	1- Social media and its impact on development 2- Transformational leadership and its role in public capital 3- The role of vocational education in the Egyptian economy 4- Modern administrative methods and their role in Egyptian organizations 5- Small and medium enterprises and their role in supporting the economy 6- Transformation leadership and its relationship to administrative capabilities 7- Training and its relationship to intellectual capital 8- Modern administrative methods and their role in higher education institutions 9 - The role of higher education institutions towards society 10- University education and a course in achieving sustainable development 11- Businessmen and their role in society
Computer Sciences	1- Object oriented for tracing and prioritizing system requirements 2- Information Technology for Sustainable Development 3- Using embedded system 4- Using Vector Machine 5- Using MOBILE CLOUD COMPUTING 6- Using android application
Management Information Systems	1- Virtual reality and its use in developing scientific research skills 2- The virtual world and its impact on tourism marketing 3- Mobile education and its impact on the development of the educational process 4- The effectiveness of expert systems in developing the educational process 5- The effectiveness of virtual learning management systems in developing the educational process 6- 3D virtual environments and their impact on the development of the educational process 7- Technological innovations and their role in developing the performance of faculty members 8- Management information systems and their role towards employee performance 9- Computing and its role in achieving sustainable development 10- Using embedded system 11- Object oriented for tracing and prioritizing system requirements 12- Information Technology for a Sustainable Development 13- The Predation model Nature Reserves as an Applied Case
Basic Sciences	1- 3D virtual environments and their impact on the development of the educational process 2- Employing information technology, developing statistical analysis skills 3- Alternative quadratic exponential 4- Modeling correlated 5- Sensitivity analysis 6- Demand functions 7- The Predation model Nature Reserves as an Applied Case 8- Non- Bayeaian and Bayesian of Parameters 9- Generalized Inverse Weibull- G Family of Distributions 10- Fluctuating the Optimal Solution Paths According

(7) Activities to implement the plan's objectives:

1. Creating a clear mechanism to follow up the implementation of the research plan through clear KPIs to measure performance.
2. Establishing and publishing a database for research conducted by faculty members, and setting up mechanisms for updating them continuously.
3. Doubling local and international scientific publishing in various disciplines.
4. Establishing mechanisms to support research and contribute to its publication in international journals.
5. Establishing mechanisms to focus on the applied dimension in the research structure of research topics, especially master's and doctoral theses.
6. Encouraging research topics in the inter-fields between the institute's departments.
7. The participation of most faculty members in developing scientific research policies and plans.
8. Encouraging the assisting body to participate in local conferences, whether by attending or giving scientific research.

Dean

Prof. M. R. Higazy