

LOGICAL FRAMEWORK MATRIX – LFM

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| <p>Wider Objective: <i>What is the overall broader objective, to which the project will contribute?</i></p> <ul style="list-style-type: none"> • Contributing into smart grid technology awareness through an educational programme aiming to strengthen links between educational institutions and enterprises. | <p>Indicators of progress: <i>What are the key indicators related to the wider objective?</i></p> <ul style="list-style-type: none"> • Completion of the master programme and accreditation • Delivering of the programme courses • Establishing formal links between the educational institutions and other stakeholders. | <p>How indicators will be measured: <i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> • The programme accreditation report issued by the national education programmes accreditation authority. • No. of courses accredited by professional accreditation agencies. • No. of enrolled candidates. | |
| <p>Specific Project Objective/s: <i>What are the specific objectives, which the project shall achieve?</i></p> <ul style="list-style-type: none"> • 1. A university based master program capable of delivering modern and market relevant courses in smart grid by 2019. • 2. Enhancing smart grid related knowledge and improving the skills of the teaching staff. • 3. Strengthening the link and cooperation between universities, enterprises, and governmental authorities. • 4. Awareness of smart grid benefits especially in sorting out the energy crisis. • 5. Design and building laboratory experiments related to smart grid technologies. | <p>Indicators of progress: <i>What are the quantitative and qualitative indicators showing whether and to what extent the project's specific objectives are achieved?</i></p> <ul style="list-style-type: none"> • Forming the curriculum structure • Determination of the laboratory equipment. • Delivering pilot professional training courses to a selected number of teaching staff members. • Establishment of formal links and agreements. • Holding workshops, meetings, questionnaires within project partners and other stakeholders. • Purchasing of the smart grid laboratory equipment. • Preparing the technical lab material for the master program and | <p>How indicators will be measured: <i>What are the sources of information that exist and can be collected? What are the methods required to get this information?</i></p> <ul style="list-style-type: none"> • Finishing the curriculum map including the program outcomes. • Classification of subject area and groups • Design the courses and program specifications | <p>Assumptions & risks: <i>What are the factors and conditions not under the direct control of the project, which are necessary to achieve these objectives? What risks have to be considered?</i></p> <ul style="list-style-type: none"> • Assumptions • Ease of establishing the formal links • Risk • Delivery of equipment delayed • Fund delayed |

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| <ul style="list-style-type: none"> • 6. Proposing technical training courses in the field of smart grid technology. | <p>professional training experiments.</p> <ul style="list-style-type: none"> • Submitting no. of courses to be accredited by professional training accreditation boards. | | |
| <p>Outputs (tangible) and Outcomes (intangible):</p> <ul style="list-style-type: none"> • Please provide the list of concrete DELIVERABLES - outputs/outcomes (grouped in Workpackages), leading to the specific objective/s.: • WP.1 Setting up the SGT-MAP. • WP.2 Development of 24 program courses. • WP.3 Development of a modern smart grid laboratory | <p>Indicators of progress: <i>What are the indicators to measure whether and to what extent the project achieves the envisaged results and effects?</i></p> <ul style="list-style-type: none"> • phrasing the program mission and Vision • identify target groups • identify program objectives and outcomes • develop the curriculum map • Prepare strategic plan of the project • Assign the subject area among the consortium members • • Development of the program curricula map • Distribute the course among the consortium members. • Making focus groups to discuss the courses objectives, outcomes and outlines • Preparing course specification and map • Accreditation procedures • • Making focus groups to discuss the required courses laboratory equipments • Determine the required experimental setups | <p>How indicators will be measured: <i>What are the sources of information on these indicators?</i></p> <ul style="list-style-type: none"> • Vision and Mission Statement • Program objectives and outcome determination • Classification of subject Area • Issue the first draft of program map and subject area responsibility | <p>Assumptions & risks: <i>What external factors and conditions must be realised to obtain the expected outcomes and results on schedule?</i></p> <ul style="list-style-type: none"> • Assumptions • The project Website will be updated regularly • • Risks • Lack of some specialities. |

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| <p>• WP.4 Development of accreditation self study reports for specific professional training courses .</p> <p>• WP.5 Development of the suggested road map toward upgrading the conventional grid.</p> <p>• WP.6 New smart grid technology skills acquired by the teaching staff of consortium universities.</p> <p>WP.7 Quality control and monitoring</p> | <ul style="list-style-type: none"> • Purshasing the laboratory equipments • Determine the experiments for each course and prepare the associated technical laboratory materials. • Selection at least four specific courses to be accredited as professional training courses. • Preparing the self study reports of the professional training courses. • Implementation of four training courses before ending the project. • Prepare a workshop on smart grid technology in order to develop a road map toward upgrading the conventional grid. • Determination of the required skills to be enhanced • Staff training • Monitoring the SGT_MAP WP's and | | |
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| <p>of the SGT-MAP</p> <ul style="list-style-type: none"> • WP.8 Dissemination and sustainability of the project results • WP.9 Project management and coordination | <p>activity</p> <ul style="list-style-type: none"> • Prepare the required forms and template to perform each activity. • Follow up the task execution and feedback • review the feedback and corrective action • analysis the weakness and strengths <ul style="list-style-type: none"> • Build an informative website about the SGT-MAP and the professional training services • Leaflets and promotional materials disseminated, list of target organisations. • Organizing workshops and meeting with target groups and stakeholders • Perform a free training courses to spread the awareness and enhance the skills of stakeholders • Conduct surveys • Publishing of the recommended smart grid roadmap <ul style="list-style-type: none"> • Coordinate the WP's among the consortium • Follow up the tasks and update the project priorities. • Assign the protocols and agreements • Delegate tasks among the consortium members | | |
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| <p>Activities: <i>What are the key activities to be carried out (grouped in Workpackages) and in what sequence in order to produce the expected results?</i></p> <ul style="list-style-type: none"> • WP.1 – PREP • 1.1 Establishment of the project organization and discussion of the strategic plan. • 1.2 Plan the multidiscipline interaction map and subject Area • 1.3 Preparation of the program curriculum map • • WP.2 – DEV • 2.1 Approve the suggested curriculum map • 2.2 Distribute the course among the consortium members • 2.3 Development of program courses • 2.4 Development of teaching materials • 2.5 Accreditation of the developed program • 2.6 Implementation of the program courses. • • WP.3 – DEV • 3.1 Determination and purchasing of experimental kits and equipments • 3.2 Development of experiments materials • 3.3 Implementation of the experiments • • WP.4 – DEV | <p>Inputs: <i>What inputs are required to implement these activities, e.g. staff time, equipment, mobilities, publications etc.?</i></p> <ul style="list-style-type: none"> • Staff costs: • Total of : 199,211.00 Euro • • Travel cost: • Total of: 90,685.00 Euro • Cost of stay: 134,320.00 Euro • • Equipment: total cost of 202,000.00 Euro, to buy the following: • Smart Grid lab equipment such as: • Real Time Digital Simulators (RTDS) • Phase Measurement Unit (PMU) • Smart grid infrastructure (Meters instruments, etc...) • Data concentrator and server • Electrical generation set with smart grid connection facility • • Subtracting cost: total of 69,450.00 Euro, for accrediting the developed courses, external financial auditing, external quality monitor, translation cost, and bank fees for transfer/transactions, training of consortium members • • Co-funding • Printing and publishing: • Printing and publishing of 19 textbooks for the 24 developed training courses | | <p>Assumptions, risks and pre-conditions: <i>What pre-conditions are required before the project starts? What conditions outside the project's direct control have to be present for the implementation of the planned activities?</i></p> <ul style="list-style-type: none"> • Assumptions • Ease of integration between multidisciplinary • Risks • Accreditation procedures delays the activity • |
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| <ul style="list-style-type: none"> • 4.1 Development of the self study reports of the professional training courses to be accredited. • 4.2 Implementation of the professional training courses. • • WP.5 – DEV • 5.1 Organizing a workshops on future smart grid • 5.2 develop a road map toward upgrading the conventional grid • • WP.6 – DEV • 6.1 Perform technical training courses in the field of smart grid technology for the consortium members. • • WP.7 – QPLN • 7.1 Internal assessment of QA activities • 7.2 Peer review of teaching materials • 7.3 External assessment of QA activities • 7.4 Conducting surveys • • WP.8 – DISS & EXP • 8.1 Design and maintenance of the project website • 8.2 Marketing activities of the peogram and training courses • 8.3 Organizing a workshop on impacts of smart grid technology on the society | <ul style="list-style-type: none"> • Printing and publishing of the developed tutorials and lab. • flyers, information booklets, marketing brochures etc. • Drafts, reports, minutes of meetings, etc. | | |
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| <ul style="list-style-type: none">• 8.4 Organizing information sessions• 8.5 Securing financial sustainability of SGT-MAP• 8.6 Linking SGT-MAP with labor market• 8.8 community awareness of SGT-MAP services•• WP.9 – MNGT & COORD• 9.1 Monitoring of MNGT activities by PMT• 9.2 MNGT activities and organization of PCT• 9.3 Follow up of project expenses | | | |
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