Internet of Things for European Small and Medium Enterprises (IoT4SME)

Programme: Erasmus+
Cooperation for innovation and the exchange of good practices.
Strategic Partnerships

Project Start: 01-09-2016
Duration: 36 months

- **O1 Training needs and professional skills analysis (UNS)**
  - Dates: 01-09-2016 - 28-02-2017
  - Activities:
    - Activity O1/A1 – Assessment methodology (UNS)
    - Activity O1/A2 – National, European and Global labour market analysis (UNS/FHM)
    - Activity O1/A3 – IoT diffusion at national and European level (FHM)
  - Milestones:
    - delivery of the assessment instruments
    - report on the IoT state of art
    - report on the training needs analysis
  - Performance indicators: Number of interviews and surveys successfully completed (>100).

- **O2 IoT4SMEs Qualifications**
  - Dates: 01/03/2017 - 30/09/2018
  - Activities
    - Activity O2/A1 – Define the structure and the learning outcomes of the 4 professional qualifications (EFFEBI)
    - Activity O2/A2 – Training curricula and learning modules (EFFEBI/Kaunas STP)
    - Activity O2/A3 – Methods for assessment of Learning Outcomes (EFFEBI/Kaunas STP)
    - Activity O2/A4 - Provide ECVET guidelines for mobility and lifelong learning (EFFEBI)
  - Milestones:
    - definition of the qualification
    - definition of the didactic units
    - definition of the LO assessment methodologies
    - delivery of the guidelines on ECVET
  - Performance indicators: Number of IoT4SMEs certifications produced (4 at least)

- **O3 IoT didactic demonstrators (UNED; helped by UNINETTUNO, FHM, UNS and CEDEL)**
  - Dates: 01-03-2017 - 31-08-2019
  - Activities
    - O3/A1 - Design of the technological infrastructures (UNED / CECEL)
      - Smart Industry
      - Smart Home
      - Smart Energy systems
      - Smart Telecommunication systems
      - Smart Monitoring:
    - O3/A2 - Implementation and testing of the demonstrators (UNINETTUNO, UNED, FHM, UNS and CEDEL)
    - O3/A3 - Delivery of the activities demonstrators (UNINETTUNO, UNED, FHM, UNS and CEDEL)
  - Milestones:
    - delivery of the design of the demonstrators
    - implementation of the demonstrators
  - Performance indicators:
    - Number of designed demonstrators (5 at least)
    - Number of implemented demonstrators (5 at least)
    - Number of students using the demonstrators (300 at least)
- O4 Interviews and showcases (EVM)
  - Dates: 01-03-2017 - 30-04-2018
  - Activities
    - Activity O4/A1 – Interviews and showcases models (EVM)
    - Activity O4/A2 – Interviews and showcases collection (EVM)
  - Milestones:
    - interviews and showcases’ format and collection procedures defined
    - 25%, 50%, 75% and 100% of interviews and showcases’ available on the project website
  - Performance indicators:
    - Number of formats defined and agreed among the partnership (= 1 for interviews and 1 for showcases)
    - Number of collected interviews (40 at least),
    - Number of collected showcases (16 at least)

- O5 Training courses (UNINETTUNO)
  - Dates: 01-03-2017 - 31-08-2019
  - Languages: English. Possibility of others if interested
  - Activities
    - Activity O5/A1 – IoT4SMEs didactic model (UNINETTUNO / UNS)
    - Activity O5/A2 – Didactic units technical production
    - Activity O5/A3 – IoT4SMEs qualifications piloting and final tuning
  - Milestones:
    - didactic units’ production completed
    - open courses digitalized and available online
    - beginning of the pilot phase
    - end of the pilot phase
  - Performance indicators:
    - Number of produced didactic modules (8 at least)
    - Number of available additional didactic materials (> 20 per course).
    - Number of students enrolled in each course (> 150)
    - Number of students positively concluding the course (> 25%)

- O6 IoT Handbook (FHM)
  - Dates
  - Activities:
    - O6/A1 - IoT Handbook design and first release (FHM)
    - O6/A2 - IoT Handbook testing and final release (FHM)
  - Milestones: first, second and final release of the Handbook delivered
  - Performance indicators: Number of positive feedbacks on the use of the handbook (> 50 %)

- O7 Dissemination materials (UNINETTUNO)
  - Activities
    - Activity O7/A1 - Project website(UNINETTUNO)
      - Activity O6/A2 - Dissemination and exploitation (MP)
  - Milestones:
    - project website first deployment (end of M2)
    - dissemination and exploitation strategy delivered
    - leaflets and brochures prepared
  - Performance indicators:
    - Number of contacts on the project website (> 4000)
    - Number of distributed leaflets (> 1800) and brochures (> 270),
    - Number of conference papers (> 5)

In particular, in terms of target groups that will benefit directly or indirectly from the project, it is expected that, during the project phase:
- at least 600 participants will attend the training courses and use the demonstrators
- at least 150 professionals will be awarded of the IoT4SMEs qualifications
- at least 230 stakeholders will take part to the multiplier events
- at least 4000 visitors on the project website get awareness of the project outputs