The development of a distance learning platform to support the blended learning approach for the training activities of the Greek Atomic Energy Commission

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Greek Atomic Energy Commission (EEAE)

The competent national regulatory authority in the fields of radiation and nuclear safety.

Mission: The protection of the public, workers and the environment from ionizing and artificially produced non-ionizing radiation.

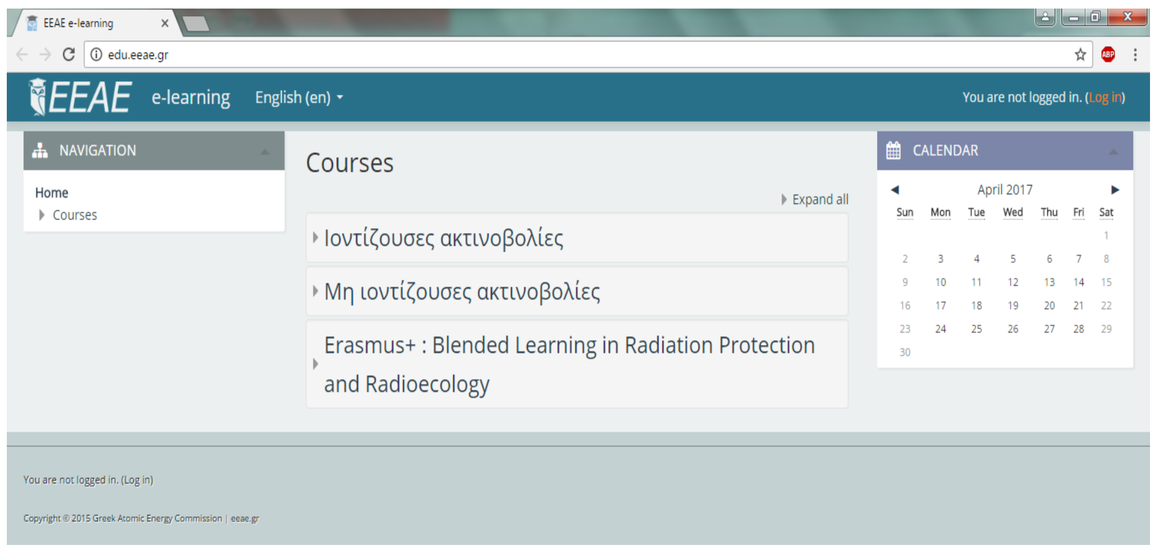
Responsibility: To establish and supervise the implementation of a sustainable radiation protection program in the country

Context of training: The training provided is mainly based on the traditional face to face component. In order to strengthen the capabilities and the potentials of the provided education and training and to optimize the allocation of the related resources, EEAE has adopted the blended learning approach. In this respect, a distance learning platform has been established to support the asynchronous distance learning component.

Distance learning platform
edu.eeae.gr

Development

The distance learning platform was developed in 2015, in house, with the support of the EEAE IT department, and is based on Moodle. The EEAE has opted to implement Moodle on CentOS Linux server using MySQL database inside a VMware Esxi virtual machine, running on a cluster of VMware servers. The appearance of Moodle (theme, fonts , colors, plugins) was customized in order to blend with the EEAE preferences.



A screen shot of the front page of the distance learning platform of EEAE, edu.eeae.gr

The operation and maintenance of the distance learning platform, edu.eeae.gr, are also supported by the IT Department of EEAE.

Content

E- courses at national level

The courses are mainly used to support the face to face training of occupationally exposed workers by providing supplementary information. Currently there are three available e-courses:

- ☑ Radiation Protection during conventional radiographic systems in Veterinary Medicine
- ☑ Radiation Safety in Industrial Radiography
- ☑ Radiation Protection for the medical technologists

E- courses at international level

- ☑ Support of the e-learning elements of the Erasmus+ programme of the European Commission: “Blended Learning in Radiation Protection and Radioecology”.
- ☑ Is intended to support the EEAE activities as an IAEA RTC and more specifically the needs of the Postgraduate Educational Course in Radiation Protection and the Safety of Radiation Sources (PGEC).

GREEK ATOMIC ENERGY COMMISSION