
**JUSTIFICANTE DE LA PROPUESTA DE TEMAS DE TRABAJO FIN DE ESTUDIOS
TRAMITADA POR EL PROFESOR**

Curso académico: 2015-16

Titulación: Grado en Ingeniería Informática

Datos del profesor

Persona que ha tramitado la propuesta: CARLOS ELVIRA IZURRATEGUI

Departamento: INGENIERÍA ELÉCTRICA

Fecha y hora de validación de la propuesta: 10/11/2015 13:11

Datos de la propuesta

Código: 16002-801G

Tema propuesto: Design, deploy and manage a virtual laboratory using OpenStack

Tutor/es:

CARLOS ELVIRA IZURRATEGUI

Tipo de trabajo: No concertado

Breve descripción: In this finish grade work the student will deploy the whole virtual infrastructure that will support a network and services laboratory.

Objetives:

- Design the virtual laboratory requirements.
- Analyze the OpenStack software components.
- Select the proper available hardware in the laboratory.
- Deploy and manage the storage system.
- Deploy and manage the networking and security system.
- Deploy and manage the image and machines system.

Idioma/s: Castellano o Inglés

Propuesta de seguimiento: Tutor will schedule all the tasks in order to meet the objectives. Student will show the tutor all the scheduled tasks.

All the tasks will be deploy in the L123 laboratory (Polytechnic Building). Student and tutor will use collaborative resources to establish contact.

Requisitos: Students interested in this finish grade work must initiate contact with the tutor. The students must have passed all the courses in the first three years of the schedule planning grade.

What a student must know:

- Computer networks.
- Network services.
- Server hardware requirements.
- Networking devices requirements.
- Linux and windows operative systems.

- Windows server and linux administration tools.
- Infraestructure (IaaS), platform (PaaS) and software (SaaS) as a service: Cloud Computing.

Nº. Plazas ofertadas:

- Libres: 1
- Concertadas: NO