**Master on Numerical Methods in Engineering**

**ACCEPTANCE OF INTERNSHIP WORK PLAN**

|  |  |
| --- | --- |
| Name of the student | **Adrià** |

|  |  |
| --- | --- |
| Company/Institution/ Department | **Applus+ Idiada** |
| Name of the external supervisor | **Mònica Cartanyà** |
| Start and end dates | **October 16th 2017 – January 12th 2018** |
| Total number of hours | **450**  |
|  |  |
| Topic: Buses and coaches Structural Analysis |
| Main tasks:* Be part of the Commercial Vehicle area inside Design Engineering department, giving support to the durability analysis of buses by means of computer simulations. The main tasks included:
* Generate a finite element model of a bus using shell elements from a CAD model. Software used ANSA.
* Post-process of quasi-static simulations to identify the critical areas of the bus from the classical fatigue theory point of view. In this case, using META as software.
 |
|  |

|  |
| --- |
| Additional remarks:Adrià has shown great adaptability to the tools necessary to carry out his work as well as a sense of responsibility in teamwork. |

**Any change in the information contained in the internship agreement must be authorized by the local master coordinator.**

Date:

|  |  |  |
| --- | --- | --- |
| Student’s signature | External supervisor’signature | Internal advisorRiccardo Rossi |

 