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Mexico



Erasmus + Capacity Building in Higher Education Joint Project

Project Duration: 15.10.2017 - 14.10.2020



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**COMPETENCE CENTRES  
FOR AUTOMOTIVE  
ENGINEERING**

To increase the positive impact on regional economic development in Argentina, Brazil and Mexico



## INTRODUCTION OVERVIEW

The automotive industry is growing and seeking steadily for innovations.

All selected partners are highly dependent on the automotive industry in terms of economic stability. Still, they are facing one big issue which can prevent them from further growing, which is the lack of highly educated engineers focusing on automotive development.

All participating countries, namely Argentina, Brazil and Mexico are highly important for the production of automobiles worldwide. Still, very little is done in the area of development and advancement of technological research which is essential for further economic growth related to the automotive industry and consequently regional development. A lack of highly qualified engineers and missing collaboration between universities and industry in order to address the certain needs are the main treats that might prevent the countries from further growth in this industry.



## INTRODUCTION FOCUS

The ASCENT project aims to improve the current situation at the participating higher education institutions (HEIs) and regional industries that are connected.

Through expert trainings, academic staff, students and companies will receive upgraded knowledge on automotive engineering (AE) and soft skills for engineers to reach the following aims:

- ▲ To spread knowledge during the coaching sessions within the competence centres
- ▲ To increase the number of projects in AE
- ▲ To enlarge university-business cooperation
- ▲ To increase employability of engineering graduates

## MAIN TARGET GROUPS



Leaders and managers in automotive engineering



Academic staff focusing on automotive engineering and soft skills for engineers



Automotive and mechanical engineering students at any stage of their career



Companies operating in the automotive industry



Automotive associations and political partners

## MAIN OBJECTIVES

- ▲ Capacity building of experts in AE and soft skills relevant to engineers.
- ▲ Implementation of 6 competence centres to increase awareness and expertise of selected topics in AE and soft skills for engineers.
- ▲ Foster university-business cooperation through the ASCENT competence centres.
- ▲ Increase of employability of students due to upgraded knowledge.
- ▲ Creation of an international network with target groups from the automotive industry to increase the economic impact on the regional development in this industry.



## MAIN OUTPUTS

**ASCENT capacity building trainings:** Building up know-how within Argentina, Brazil and Mexico on AE and soft skills for engineers during 4 trainings to improve capacities for more initiatives on the topics: **Engineering Trends, Train the Trainer, Soft Skills for Engineers and Technical Skills Upgrade.**

For a detailed description of the training modules and the training material, visit our webpage!

**ASCENT network and knowledge transfer platform:** Establishing a network which aims for international exchange among all target groups of the project. The knowledge transfer platform shares knowledge among all members on the project's core topics and promotes competence centres as expertise hubs.

The network and the registration form can be accessed from the project's webpage.