Competition:

You will need to create (design) and print a 3D object (prototype) of a product with a social impact. This product will need to respond to social challenges/needs (e.g. targeting "sensitive" social groups such as people with disabilities, the elderly, etc.), have some real-life practical application, and benefit the community, the environment or the culture.

The product idea should include a Social Entrepreneurial aspect and/or a rudimentary business plan regarding the possible exploitation prospects of your 3D object.

It is recommended for the teams which will be participating in the competition to devote **6-10 hours** for the implementation of the product which they will be presenting.

3D2ACT Competition

Project Name: 3D2ACT: FOSTERING INDUSTRY 4.0 AND 3D TECHNOLOGIES THROUGH SOCIAL ENTREPRENEURSHIP: AN INNOVATIVE PROGRAMME FOR A SUSTAINABLE FUTURE

Project Number: 2020-1-EL01-KA202-078957

Team Name:..

Country: ....

Product Name:...

*Requirements:

- Team Name
- Product Name
- 3D File (STL or another format) submitted and available to the judging committee
- 3D Printed object available
- Citation clearly available
- Only 3D printed models using PLA/PETG/ABS/CLAY are permitted in the final product besides glue compounds to join distinct 3D printed components
- Available planning/design documents are supplied which explain how the project was created
- Exploitation or business plan available or a strong social entrepreneurial aspect

*For each one of the requirements which are not fulfilled two (2) points will be deducted with a maximum of six (6) points in total.
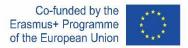
Competition Rules:

1. You must treat all team members, competitors, judges, mentors, volunteers and other participants with courtesy and respect.
2. Teams will be a minimum of 2 and a maximum of 6 people.
3. Any prizes earned are to be shared between all team members
4. All team members should be present at the event. Leaving the venue for some time is fine.
5. Teams can seek advice and support from the mentors, the volunteers or the organisers.
6. Teams can be disqualified from the competition at the organisers' discretion. Reasons might include but are not limited to breaking the Competition Rules, behaving in a way that violates the code of ethics or other unsporting behaviour.

Evaluation criteria:

You will be assessed over 5 categories (all with equal weight): Content, Originality, Execution, Presentation and a secret category.

1. Content and overall quality: Did you successfully resolve the initial issue or challenge? Did you comprehend the issue and consider it from the perspectives of the various stakeholders?
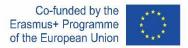
2. Originality, Creativity, Usefulness and ingenuity of the creation: How creatively have you approached the problem? Did you create an innovative approach or did you use existing designs and solutions? If you create something truly unique, it will be rated better than a slightly altered existing model.

3. Execution: Does it work? Can you demonstrate the minimum viable product? Although the project doesn't need to be flawless or ready for production, is there indication that you are moving toward making your solution suitable for use in the real world? Are there any assembly instructions?

4. Social Entrepreneurial aspect and Presentation: Delivering a presentation is a crucial component of a competition. Do you describe the distinctive features of the created product and the intended market in your presentation? Is there any exploitation prospects? Do you have a working product to go along with your presentation? Do you have a good response ready in case the jury has any questions?

5. *Secret topic: Entrepreneurs need to act quickly in situations which there is little or almost no time available. You will need to improvise during the last day of the competition and be judged on how you react under pressure on a task given on that day!

For each category, you will be given 1-4 marks:

1: Poor

2: Adequate

3: Very good

4: Impressive

Each team will be assessed by the 5 judges, and your final mark will be computed as their sum. So, a perfect submission would achieve a maximum of 100 points.

Awards will be given in the following categories:

1. Best innovative idea

2. Best implementation of an idea

3. Best project presentation

4. Best pitching of product

5. Best overall project