

# CONCEPT FOR MENTORING PROGRAM

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D.T2.2.1 Concept for Mentoring Program  
PP6 - ARRSA

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Version 1  
06 2017





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# 1. Pilot overview

## *Overview of the Pilot Action.*

When preparing pilot action activities, we have thought of two main goals that we want to achieve: to spread the knowledge about the FabLab among the local and regional society and find talents - creative people with innovative ideas.

The Pilot Action Community provided by FabLab Bielsko-Biała is to embold locals to use of 3D printing and rapid prototyping. We want to show that something like FabLab exist in their city and that they can realize any of their own ideas in it. With the process of selecting participants for whom we provide workshops mentioned below we are trying to find talents - people who already has something in common with 3D modelling and rapid prototyping - who has an idea of a prototype that can become a product and be a part of Pilot Action Business.

The purpose of the Pilot Action Community is to popularize cutting-edge technologies and innovation in the society. The activities of the pilot is free of charge sharing of the equipment of FabLab Bielsko-Biała to those who wants to try their hands in 3D modelling and those who already has some experience with it and want to improve their skill or has an innovative idea and want to materialize it.

# 2. Mentoring Program

## *Overview of the mentoring program, plan of the activities, expected outputs.*

The Mentoring Program related to the Pilot Action Community is divided into few parts:

1. Mobile Pilot Action - on the basis of the Memorandum of Understanding signed with the mayor of the small municipality - Porąbka - near Bielsko-Biała - we organise a series of workshops for the children and youth. In the local community centre participants of the workshops were able to learn how to use the 3D modelling free software, create their first prototypes and print them on one of the two 3D printers that were moved temporary to Porąbka.
2. 3D Schools - Pilot Action Community in primary and secondary schools in Bielsko-Biała - (based on an open call) - short presentations about 3D modelling and rapid prototyping in schools for children and youth between 13-18 years old. Presentations show the basis of the 3D printing - what are the possibilities and how can we use this technology? What are the materials that we are printing from? What are the main rules of 3D modelling? How does the 3D printer work? And the most important - how can I use FabLab Bielsko-Biała to bring my own ideas into life?
3. Open Call- workshops/presentations/trainings in the FabLab Bielsko-Biała - based on an on-line announcement we have also an idea to gain Pilot Action participants who wants to have individual trainings - by individual we mean adapted to the needs of certain stakeholders/group of stakeholders. Those are more advanced trainings for people who already has a knowledge about 3D printing and who wants to improve them. Those are also for people with an idea - of a product, of a thing - that can be produced in our FabLab.

The main goals of the Mentoring Program are:

1. Spread knowledge about FabLab
2. Find talents - creative people with innovative ideas
3. Promote the use of rapid prototyping in an early stage of business
4. Attract people with cutting-edge technologies



5. Find ideas that can be developed into prototypes and products
6. If there are good ideas, we are going to help stakeholders in their further business way

### 3. Mentors

*A general description on why you have selected these profiles, and a short Bio or profile for each teacher...*

To implement the activities related to the Pilot Action Community we decided not to hire an external expert. In March the new colleague joined our FabLab team, with all necessary skills to become a Mentor in the pilot action in way we wanted it to look like.

Few information about the Mentor below:

#### **Grzegorz Michałowski**

FabLab Manager of FabLab Bielsko-Biała, with a 10 years of experience in graphic designing and programming. From over 3 years he is providing his own company in terms of design and ICT. He is also a 3D modelling hothead with his own 3D printer at home, that he uses mostly to create modeling parts, utility and spare parts for different everyday home-equipment. He is also a provider of many trainings in terms of ICT programming, 3D modelling or designing. His wide spread interests, also in the field of electronics or hybrid cutting-edge technologies, makes him an open-minded person with no fear of new challenges

### 4. Practical informations

*Hours of mentorship, distribution of the mentoring sessions, salary, logistics...*

The duration of Mentoring Program depends on the type of activity that is provided:

1. Mobile Pilot Action - 6 weeks, 2 times a week for 6 hours - presentation, hands-on workshop
2. 3D Schools - each presentation will last 45 min, for the group of max. 30 people, the topic of the presentation: what is FabLab? What is the aim of the FabLabNet project? How and what for can we use 3D printers? What materials do we use for printing? What is the technology process?

The stresses in the presentation will depend on the type of school and the audience - we have provided presentation from technical schools with strictly technician knowledge and f. ex. For commercial and economic schools we stressed out information about the business creation 3D modeling possibilities more than technical issues.

3. Open Call - the frequency and duration will depend on the group that we will gather - but not more 3 workshops a week, no longer than 4 hours each. The series of workshops related to the pilot action will end till December, however we are going to choose the most talented and keep providing the "mentoring program" for them

### 5. Equipment and material

*List of equipment/resources needed for the Pilot...*

The participants to the Mentoring Program will have the complete access to the FabLab Bielsko-Biała during the pilot action implementation, no matter in which type of activities they will participate.



All type of FabLab equipment will be available for them:

- 3D printers
- 3D scanner
- 3D modelling software
- Laser cutter

## 6. Target profiles

*Description of the involved target(s) for the mentoring program...*

The involved community of this Mentoring Program :

- Local Maker-community
- Community in small municipality with no access to the cutting-edge technology
- Community of schools - pupils and teachers
- All people who want to meet 3D printing
- Local start-ups
- Scouting Association