

## TPM\_REPORT

Kick-off meeting hosted by Technical University of Cluj-Napoca on 19.03.2021



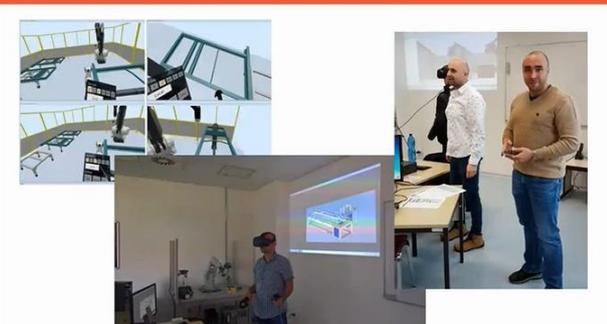
The first meeting organized by the BRIGHT project by the Technical University of Cluj-Napoca together with the BRIGHT partners' consortium, even if it was held "online" on the Teams platform, it was filled by emotions, but also filled with lot of enthusiasm, since all partners have shared at the beginning of the meeting part of their experience and expertise gained in the last years in the field of 3D printing methods and how they can bring added value in the BRIGHT project to prepare specialists that will be able to support hospitals and medical institutions that are aiming to be involved in developing, producing and testing of medical parts from different types of materials and different types of 3D printing methods in order to contribute to the saving of lives in the context of the pandemic. At the first part of the meeting we were honored by the presence of Vice Rector for International Relations Prof.dr.eng. Dan MÂNDRU (Technical University of Cluj-Napoca - TUCN) which have shared the vision of TUCN on long-time basis, which aims to increase the Internationalisation of the University in the next upcoming years.



BRIGHT project has brought a good visibility of these types of ERASMUS KA projects in Romania, since the project has been classified on the first place and had reached the highest score after the evaluation made by the The National Agency for Community Programmes in the Fields of Education and Vocational Training of Romania, but also abroad. Associate prof. dr. eng. Razvan Pacurar (coordonator of the BRIGHT project) have made several presentations related to the BRIGHT project aims and objectives, project and management aspects, aspects related to the organizing, distribution of the tasks and logistics, as well as other important aspects related to communication, dissemination of the results, impact and potential of the BRIGHT project results on long-time basis. Each partner coming from the Technical Institutions of the BRIGHT consortium have made a presentation related to the Intellectual outputs that are foreseen to be reached within the BRIGHT project, by sharing their vision and point of view related to the organizing of work, distribution of the tasks, milestones, key performance indicators (KPI) and expected results. Prof. Milos Simonovic (University of Nis, Serbia), Prof.dr. eng. Remigiusz Łabudzki (Technical Univ. of Poznan, Poland), Assoc. prof. MSc. Eng. Peter Košťál, STU Bratislava) and (Assoc. Prof. Sven Maricic, University of Juraj Dobrila, Croatia) are the responsible persons of the BRIGHT partners' consortium, they were presented the main particular aspects related to Intellectual outputs and they have presented also the logistic and team coming of their home institute which will be actively work on the BRIGHT project.

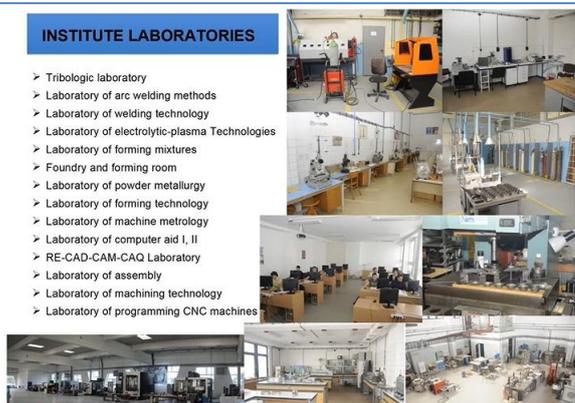


### Virtual laboratory in MTF STU



### INSTITUTE LABORATORIES

- Tribologic laboratory
- Laboratory of arc welding methods
- Laboratory of welding technology
- Laboratory of electrolytic-plasma Technologies
- Laboratory of forming mixtures
- Foundry and forming room
- Laboratory of powder metallurgy
- Laboratory of forming technology
- Laboratory of machine metrology
- Laboratory of computer aid I, II
- RE-CAD-CAM-CAQ Laboratory
- Laboratory of assembly
- Laboratory of machining technology
- Laboratory of programming CNC machines



**POZNAŃ UNIVERSITY OF TECHNOLOGY**  
**FACULTY OF MECHANICAL ENGINEERING**



*Boosting the scientific excellence and innovation capacity of 3D printing methods in pandemic period*  
**BRIGHT**

**KICK-OFF MEETING**  
 18.03.2021, 10.00 am  
 Team leader: Assoc. Prof. Remigiusz ŁABUDZKI



**Technology in a positive climate**

Team leader: Assoc. Prof. Remigiusz ŁABUDZKI  
 KICK-OFF MEETING 18.03.2021, 10.00 am

**BRIGHT PROJECT** kick-off

JURAJ DOBRILA UNIVERSITY OF PULA,  
 CROATIA

UNIPU team introduction

Erasmus+ Activities @UNIPU VISIO



**Ericsson Nikola Tesla Summer Camp**

Robotic Arm 4-DOF

Supervision:  
 Damir Medved  
 Sven Marčić

Bright e-learning support courses for curriculum aiming to boost the scientific excellence and innovation of 3D printing methods used for developing and producing medical parts in pandemic period

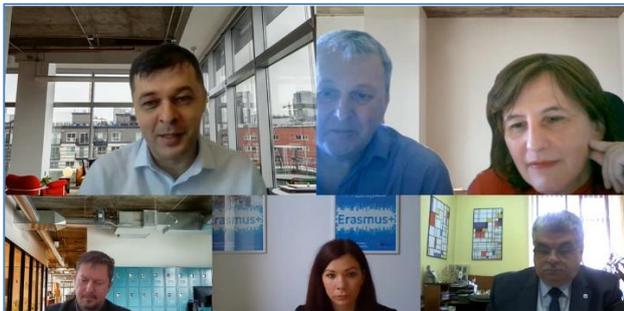
Prof. Miloš Simonović, University of Niš, Serbia

Start date: 01-03-2021; End date: 31-07-2021





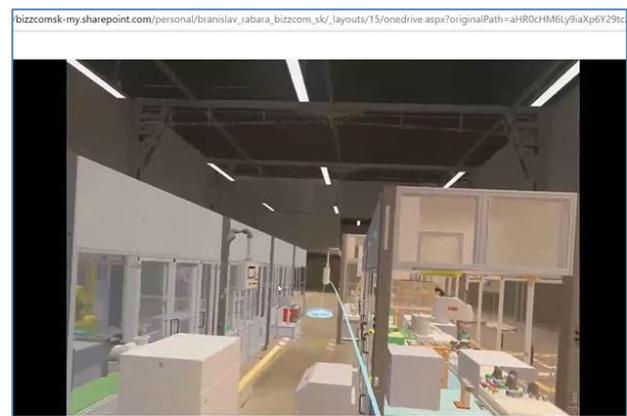
The SMEs partners that are also involved in the BRIGHT Consortium (director of BIZZCOM company of Slovakia - Mr. Bransilav Rabara and director of B.M. Plast company of Croatia – Mr. Senka Babic), even if they do not have the role of coordinating the work on different Intellectual outputs, they have shared their knowledge and how they can contribute from the practical point of view on the BRIGHT project activities in the field of 3D printing for medical applications, but also in developing and realizing of different types of applications in the field of Virtual Reality / Augmented Reality, since they have high experience and expertise in this field and they can bring added value in the BRIGHT project for sure.



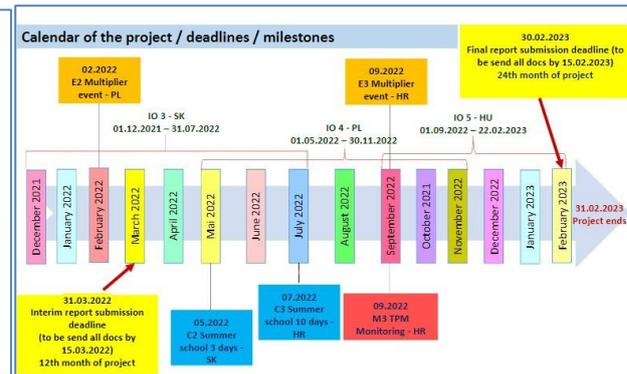
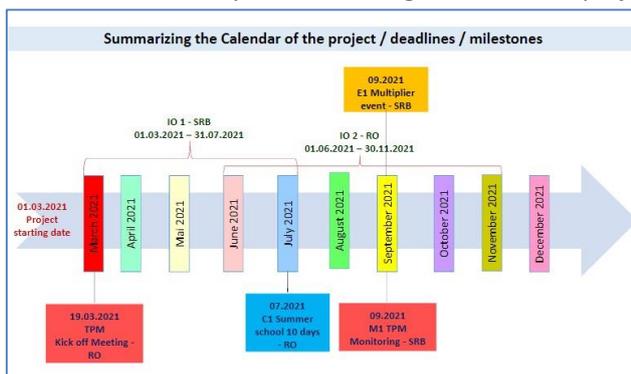
## Who We Are

Our Company DNA

B.M.PLAST d.o.o. is a family-owned company established in 2002, in Opatjka, Croatia. We specialized in refining plastic using techniques such as injection, IBM and 3D printing. In addition to classic materials (PP, PE, PS) we also use technical materials like ABS, PA, POM and PC. In recent years we have been focusing on pharmaceutical packaging as well as developing a biodegradable one. Over 50% of our products are exported on the EU market. We proud ourselves with local, but also international collaboration (Mediscan, Ruder Boskovic Institute, Polycarbo, Vargon, etc.)



At the end of the meeting discussions were focused also on the events that are scheduled to be organized by the BRIGHT consortium, the monitoring and organizing of the activities related to Intellectual Output 1 (course modules) that have to be realized until July 2021 according to the BRIGHT project schedule.



One important event is scheduled to be organized by the BRIGHT consortium in July 2021 – International Summer School on 3D printing for medical application (the event will be organized by the Technical University of Cluj-Napoca in cooperation with BRIGHT partners’ consortium (online) in the period 19-30.07.2021 as scheduled. Through these event which will be opened not only for the professors and students coming from BRIGHT partners’ consortium institutions, but to professors and students coming from Technical and Medical institutions of the EU and non-EU countries it is aimed to increase the visibility of the BRIGHT project in order to reach positive results that can be exploited at large level and can be used as an important resource for anyone who is interested in getting specialized in developing, producing and testing of medical parts made of different types of materials and different types of 3D printing methods, that are aim to support hospitals and medical institutions in the world.

### Division of work

- **Practical activity/innovative case studies** will be developed by students in the curriculum, working plan will be prepared by STU Bratislava.
  - The up-dated course about **3D printing & Rapid Tooling technologies** that are used in medical sector will be prepared by all partners based on their previous experience in the field (including of technologies that are available at the Universities and SMEs Bizzcom / B.M Plast d.o.o), but also latest good practice solutions (3D printing methods using robotic systems, Hybrid Manufacturing technologies) will have to be included as well
- Because in many cases skills and experience of partners is overlapped, after drafts of the courses are prepared in one variant, anyone can propose supplementary information to be included in the materials if this can bring added value.

Timeline: 26.03.2021 Responsible members for modules – 15.04.2021 Template for modules - 15.06.2021 Draft of modules and WP for PA– 15.07.2021 Reviewing from all partners – 25.07.2021 Final reviewing – Upload IO1 deliverable 31.07.2021

### Learning, Teaching , Training Activities

ID	Activity Title	Leading Organisation	Activity Type	Field	Starting Period
C1	BRIGHT - International summer school on research base learning method used in Higher Education for 3D printing	UNIVERSITATEA TEHNICA CLUJ-NAPOCA (E10209111, RO)	Intensive programmes for higher education learners	Higher education	07-2021
C2	BRIGHT short-term joint staff training on the use and functionality of e-virtual laboratory platform for personalized teaching in 3D printing	SLOVENSKA TEHNICKA UNIVERZITA V BRATISLAVE (E10200874, SK)	Short-term joint staff training events	Higher education	05-2022
C3	BRIGHT International summer school on personalized and project learning methods used for Higher Education in 3D printing	SVEUCILISTE JURJA DOBRILE U PULI (E10156363, HR)	Intensive programmes for higher education learners	Higher education	07-2022

The BRIGHT International summer school will be organized without any fee to be paid by the attendees (for free) and since it will be organized “online” it will be opened for anyone coming from technical / medical sectors” that aims to attend on the BRIGHT summer school in July 2021, as all BRIGHT partners’ consortium members have finally agreed at the “kick-off meeting” which was organized by the Technical University of Cluj-Napoca on 19.03.2021.

Technical University of Cluj-Napoca

19.03.2021