A Virtual Reality Environment for STEM Entrepreneurship Training (VR4STEM) - Project Gantt Chart

Project activity*	M1 - Feb.2016	M2 - Mar.	M3 - Apr.	M4 - May	M5 - June	M6 - July	M7 - Aug.	M8 - Sept.	M9 - Oct.	M10 - Nov.	M11 - Dec.	M12 - Ian.2017
Project Management and Implementation Activities *UPB/ All partners*												
Management Activities: A1-A5												
A6 (former O4) -Project Website & Content Repository *UPB / All partners*			A6O4A1	A6O4A2	A6O4A3							A6O4A4
O1 - Report on practices and competences in STEM Entrepreneurship Training and 3D Virtual Worlds *UPAT / All partners*			O1A1	O1A2	O1A3							
O2- STEM Entrepreneurship curriculum design *New Edu / All partners*				O2A1	O2A2	O2A3	O2A4	O2A5				
O3 - Open Learning Resources *UPB / All partners*										O3A1		O3A2
O5 - Virtual 3D World *UPAT / All partners*								O5A1	O5A2	O5A3		O5A4
M1 Project meeting	RO	RO										
M2 Project meeting						GR			GR			
E1 Multiplier Event												SK
E2 Multiplier Event												GR
E3 Multiplier Event												RO

Complementary to Gantt Chart:

A1: Project Activities Monitoring, Planning and Reporting.
UPB will lead this activity by monitoring and providing regular reports about the overall status of each output, distributing tasks to each partner and ensuring the project is being carried out according to the
A2: A Virtual Collaboration Environment will be used, or a specialized Project Management tool like ASANA or Trello.
UPB and UPAT will be responsible to set up and configure the environment. Periodical virtual meetings will take place to discuss and report on the project's project, using initially Skype. When a first version of the
A3: UPB and eTS will design a Leaflet and Brochure about the project and a Poster template for the multiplier events that will take Place.
Each partner will be responsible to translate the promoting material in their native language, adjusting them to their needs, printing and distributing them.
A4: Writing the Interim and Final Reports, and all administrative tasks associated with them.
UPAT will lead and all partners will collaborate with them.
A5: Keeping the project website and other web channels updated by regularly posting news about their activities and events associated with the project.
All partners will collaborate.
A6 (former O4): Project Website & Content Repository
-O4A1: draft version of Project Website (month 3); -O4A2: project website online (month 4); -O4A3: website translated into all partners languages (month 5) (EN, GR, DE, SK, RO)
UPB will lead this output. All partners will provide content and translations in their own languages.
O1: Report on practices and competences in STEM Entrepreneurship Training and 3D Virtual Worlds
- O1A1: Report Outlines, determined at Kick-Off meeting (month 1-2)
UPAT coordinator. Common document templates done by UPB and eTS. Outline for each study report by all partners during KoM.
- O1A2: First draft of Reports (month 3)
UPAT coordinator. Report "STEM Entrepreneurship Training in Europe" by newEdu with UPB and all partners. Report "State of the art in Virtual 3D World Training" by UPAT and eTS. Report "Report on Self Learning
- O1A3: Final Revisions and application of a common visual format (month 4)
UPAT coordinator. All partners will do the proof-reading and provide feedback for the content in the final reports. eTS: common documents visual format.
O2: STEM Entrepreneurship curriculum design
-O2A1: First Draft of the Curriculum (month 4)
NewEdu coordinator with support from UPB.
-O2A2: Templates for the learning scenarios (Month 5)
NewEdu coordinator with support from UPB. UPAT responsible for technological aspects and templates for the description of Multimedia and 3D learning Scenarios.
-O2A3: Final Curriculum outline (Month 6)
NewEdu coordinator with support from UPB.
-O2A4: First Draft of the Learning Scenarios (Month 7)
NewEdu coordinator with support from UPB. UPAT responsible for technological aspects and templates for the description of Multimedia and 3D learning Scenarios. Comments from all partners.
-O2A5: Final Report of the Learning Scenarios (Month 8)
NewEdu coordinator with support from UPB.

O3: Open Learning Resources
-O3A1: First Draft of Learning Material (Month 10)
UPB coordinator. New Edu will work on the documents with the theory of the courses. UPAT and eTS will provide suitable templates to ensure that the documents will be suitable for reading in the Virtual World.
-O3A2: Second Draft of Learning Material (Month 12)
UPB coordinator. New Edu will work on the documents with the theory of the courses. UPAT and eTS will provide suitable templates to ensure that the documents will be suitable for reading in the Virtual World.
-O3A3: Learning Material ready for being integrated in the Virtual World and used for Piloting (before the Piloting Activities, Month 15)
UPB coordinator. New Edu will work on the documents with the theory of the courses. UPAT and eTS will provide suitable templates to ensure that the documents will be suitable for reading in the Virtual World.
-O3A4: Final Version of Learning Material after piloting evaluation results (Month 22)
UPB coordinator. New Edu will work on the documents with the theory of the courses. UPAT and eTS will provide suitable templates to ensure that the documents will be suitable for reading in the Virtual World. eTS will work on the design of the 3D objects described in the learning scenarios of output O2. UPB will also work on the design of multimedia interactive files and self-evaluation exercises following these learning scenarios. All partners will proof-read and provide feedback. Translations needed in RO (UPB), DE (eTS), GR (CTI and UPAT), SK (NewEdu).

O5: Virtual 3D World
-O5A1: System Architecture and Implementation Plan (Month 8)
-O5A2: Server configured and Software installed (Month 9)
-O5A3: Avatar Management Webpage (Month 10)
-O5A4: First version of 3D World without Learning Material (Month 12)
-O5A5: 3D Auditorium, Library and Media Room (14 month)
-O5A6: Learning scenarios (16 Month)
-O5A7: Draft 3D World with all educational content, infrastructure and learning material integrated (Month 18)
-O5A8: Completed version of 3D World, ready for Piloting (Month 19)
-O5A9: Final Version of the 3D World (Month 23)
UPAT will install and configure the 3D World server and necessary additional software (http server, database, voice communication software, avatar management interface etc). eTS will make a first plan about the areas that are needed and how they will be formatted and also help in the design, providing 3D objects. UPB will install the required software so they can host a backup version of the 3D World. UPAT and eTS will design and implement the auxiliary functionality of the world including 3D Auditorium, Library and Media Room. UPAT and CTI will work in implementing the 3D activities designed by adding scripts on the developed 3D Objects. UPAT will also lead the integration of the learning material. UPB and eTS will contribute as well by importing multimedia and 3D objects respectively. Remaining Partners will help by testing and giving feedback on the 3D World during the development and also providing translations where necessary.

O5O6 (former O6): User Guide
Output is: Text file document (in PDF Format), available online in the project's website in five languages. -O6A1: Report about contents of the Handbook (month 17)
-O5O6A2: 1st Draft version (month 18);
-O5O6A3: Completed Handbook (month 19);
-O5O6A4: Translated in all languages, ready for the piloting (month 20);
-O5O6A5: Final Revision after the piloting results (Month 23)
UPB will coordinate the work, CTI will design the contents of the handbook. UPAT and UPB will contribute in chapters describing the interactions with 3D objects and multimedia respectively. UPB will provide a chapter with guidelines and ideas for achieving an effective, efficient, and entertaining learning experience. All partners will contribute with proof-reading, feedback and translations in EN, GR, DE, SK, RO.

O5O7 (former O7): Piloting - Evaluation
-O5O7A1: draft plan of piloting activities (month 20)
-O5O7A2: preparation of online questionnaires (month 20)
-O5O7A3: Final revision of plan (month 21)
-O5O7A4: local/national pilot events(month 21)
-O5O7A5: collection of feedback (month 21)
-O5O7A6: first draft with results from pilot events(month 22)
-O5O7A7: common international pilot event (month 22)
-O5O7A8: final report about pilot results(month 22)
CTI will coordinate the organization of all pilot testing activities. UPB and New Edu will help to prepare the Piloting Plan that will describe all pilot activities and parameters (training time schedule, form of training, content of training), the structure of the questionnaires etc. UPB will work on preparing the online version of the questionnaires. Local pilot events will be carried out by three partners (UPB, CTI, New Edu) who will organize them according to the prepared plan and collect feedback. CTI will collect and prepare analysis of the results that will help finalize the 3D platform. The common pilot event will take place with an open invitation to young people from all countries to visit the Virtual 3D World. During the event, invited lecturers from New Edu and UPB will give virtual lectures in the 3D World. The final report about the results of all piloting activities will be carried out by CTI. CTI and UPAT will also offer technical support during the piloting events.