IDEA Spark Cantabria 2019

Reference #	12963378
Status	Complete
Login Username	FCalatayud
Login Email	fcalatayud@binaryboxstudios.com
Project Title	Diagnosis VR
Short project title (max 20 alpha-numeric characters)	Diagnosis VR
How long have you (or your team) been working on this project?	We´ve been working on the technology behaind it for a year.
How many people are on your project team? (Count only those who will be involved in doing the work of the program and/or those you would like included on any email communications from the program. Note that each person will need to submit a registration form; instructions will be provided after this application is submitted.)	2
Applicant name:	Francisco Calatayud Aguiar
Applicant E-mail address (when you submit, a copy of your entry will be sent to this email)	fcalatayud@binaryboxstudios.com

Project Description:
Provide a brief overview of your project. Please comment on the problem you propose to solve and the potential societal impact of solving it. This should be understandable and compelling to someone not skilled in the art.

Diagnosis VR, isa virtual reality software specially designed for use in medical environments.

With Diagnosis VR, doctors will have a virtual office where they can access all the digital information generated in medical environments such as patient records, images, radiographs, treatments, and much more.

This also includes the visualization of the three-dimensional models of patients generated during the consultations, which can be reviewed using virtual reality devices and eliminating the loss of information we experience when viewing content on a 2D flat screen.

In addition, DiagnosisVR is an excellent place for professionals to connect, no matter where they are on the planet. Doctors can access together to review the patient's information as if they were in the same room in the real world.

Diagnosis VR improves the visualization of state of the art 3D medical content and the communication between professionals, allowing to increase the efficiency in the diagnosis of diseases or review of the evolution of medical treatments in process. This has the potential to suppose an improvement in the healing process of patients increasing their quality of life.

Have there been any previous approaches to solving this problem (or answering the question)?
Please describe how your idea is original.

In recent years, many technologies have been implemented for 3D scanning in hospitals as well as videoconferencing and remote assistance systems.

As for the scanning system, the latest generation machinery allows the generation of high quality three-dimensional models of specific parts of patients, facilitating the study of their conditions and treatment, although always using 2D flat screens for their visualization.

Concerning conference systems, the great advance in networks has made it possible to improve communications, although the amount of data used for this is growing.

With a working environment in virtual reality, the visualization of the content becomes much more natural, as we perceive the 3D models as we would see them in the real world. Communications in virtual reality greatly reduce the amount of data to be used in the network, since it would only be necessary to transmit the audio, since the image is generated locally on each computer. This allows you to save a lot of bandwidth allowing you to make more calls and queries simultaneously.

Tell us something interesting about yourself (and your team)	Over the last few years, we've dedicated ourselves to researching virtual reality technology, pushing the limits to offer to our clientes high quality graphics in environments or connection between multiple users within virtual experiences, in which they can also interact with each other. We have worked for multiple sectors: architecture and interior decoration, training, industrial factories, esport, culture or integration of people with disabilities. We have also developed several leisure experiences, such as a horror video game, or a virtual reality escape room for multiple players. We believe than VR technology is, if it is well implemented, a game changer actor that can improve almost every industry.
Why do you want to participate in the program and what do you hope to gain from the program?	Participating on the program is a great oportunity for us to connect with people than can give us great and very valuable feedback about our work.
Last Update	2019-04-16 05:15:48
Start Time	2019-04-16 05:06:21
Finish Time	2019-04-16 05:15:48
IP	2.154.33.222
Browser	Chrome
OS	Windows
Referrer	https://fs24.formsite.com/MITLinQ/idea_spark_application/form_login.html

Registration for IDEA Spark

Reference #	12963388
Status	Complete
Short Project Title (use title from IDEA Spark Application)	Diagnosis VR
First Name	Francisco
Last Name	Calatayud Aguiar
Preferred name (for name tags)	Francisco Calatayud
Institution or organizational affiliation	BINARYBOX STUDIOS S.L.
Degree	• Other: • B.E. Bachelor of Engineering
Role in Institution	Entrepreneur
City	Santander
Country (if US, enter State)	Spain
Phone Number	+34697462617
Email Address	fcalatayud@binaryboxstudios.com
In what way will you be participating in IDEA Spark?	In person
Last Update	2019-04-16 05:18:18
Start Time	2019-04-16 04:50:26
Finish Time	2019-04-16 05:18:18
IP	2.154.33.222
Browser	Chrome
OS	Windows
Referrer	N/A