

SUB-PROIECT 4

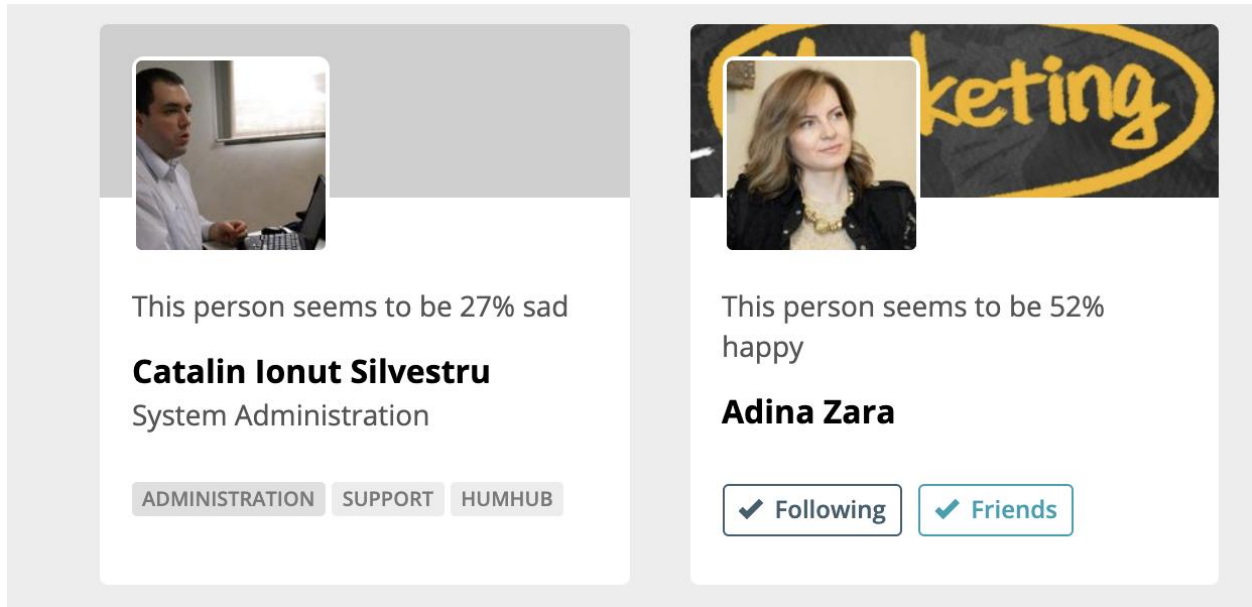
Experimental development of augmented reality tools at the level of online social networks and study of their impact at the level of users (AR Media)

During the reporting period, the implementation of the AR Media mode and its integration in the common FutureWeb interface was completed and also, the structuring of the research and technological services offer and the presentation in the ERRIS platform were completed with the study of the integration of augmented reality services within an online social network.

In the fourth subproject, which focused on emerging technologies in the field of augmented reality, the work began by identifying potential users at the local level and establishing their intention to register and use the online social network with facial recognition using augmented reality, followed by analysis of the global market for existing augmented reality solutions and implementation of a Good Practice Guide for AR Media and qualitative and quantitative research among users with a high degree of intent to record and use AR Media in order to identify needs and their real expectations, continuing by creating an experimental model (prototype) of the online social network AR Media for facial recognition using augmented reality AR Media 2 modules using the cameras of mobile devices or using already existing pictures of AR Media registered users. Object recognition service using photo camera, object tagging service through augmented reality of real objects in the environment and label dating, so that this information is available for viewing by other registered users of the AR Media network, were completed in the previous stage, in this stage being integrated into the general FutureWeb application.

Thus, the processing of profile images is done by direct request to the processor API, and in case of a successful processing, the result with the highest probability is sorted and displayed in the box related to the profile image. The implementation of augmented reality elements in the FutureWeb platform was done in two ways, namely, building a specific

HumHub module and integrating a suite of jQuery scripts that make it possible to communicate with the IoT systems API. Thus, the main IndexController has been updated to include data from two augmented reality API-specific methods.



The screenshot displays two user profiles from the HumHub platform. Each profile includes a profile picture, a text-based emotion analysis result, the user's name and role, and a set of tags or relationship buttons.

User Name	Role	Emotion Analysis	Relationships/Tags
Catalin Ionut Silvestru	System Administration	This person seems to be 27% sad	ADMINISTRATION, SUPPORT, HUMHUB
Adina Zara		This person seems to be 52% happy	Following, Friends