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| **Project Abstracts 2020-21** | | |
| **1.Department:CSE** | | |
| **2.Year:2021** | | **3.Semester : 8** |
| **4. Student Name**  **5. USN** | | Rithesh Shanmughan [1NT17CS151],  Sai Siddhanth. A [1NT17CS158], Rahul Khatri [1NT17CS142], Utsav Mondal [1NT17CS217] |
| **6. Name of the Project Guide** | | ***Assistant Professor, Nirmala J.S***, |
| **7. Domain** | | **Computer Vision** |
| **8. Title/Topic of the Project** | | **AR Application For Architects And Interior Designers** |
| **9. Abstract(Not more than 100-150words)** | | |
| The project is a user-friendly application that aids the architectures and interior designers to provide their clients a preview of their fully completed product even before construction. And giving them a better understanding of the finished product.  The application provides both default and custom feature that can used to create rooms , furniture and other objects and these objects can be easily resized ,repositioned and reoriented using gestures. The custom objects can be created by analyzing few images of the object from different views using a device camera and this same object can be rendered into the virtual built environment or in real world. | | |
| **10. Objectives** | •The objective of this project is to design and develop an augmented reality app as an effective tool which can decrease the gap between industrial company and customer in addition to other applicable business communities.  •To help in visualizing architect plans and interior designs. A virtual model of real environment can be designed before its physical implementation, it will allow interior designers/architects to implement their idea in the given workspace virtually and then view it in real environment.  •To allow architects to view their 3D visualizations on their 2D drawings. | |
| **11. Deliverables** |  | |
| **12. Status of the Project (Kindly provide correct status of the project)** | | |
| **a. Publication Status b. Productized c. Patent Filed**  **d. Plagiarism Check e. Best project status Describe** | | |
| **Signature of the Student** | | |
| **Signature of the Guide** | | |
| **Signature of the Head** | | |