**CONTROL INTERFACE ON ANDROID FOR HOME AUTOMATION SYSTEMBASED ON ECA**

**A PROJECT REPORT**

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**BONAFIDE CERTIFICATE**

Certified that this project report “**CONTROL INTERFACE ON ANDROID FOR HOME AUTOMATION SYSTEM BASED ON ECA**” is the bonafide work **I. MOHAMMED IMRAN (50810104044), M. NAVEEN KUMAR (50810104046), R. RAJESH (50810104060),S. PERIYASAMY (50810104053)**who carried out the project work under my supervision. Certified further that to the best of my knowledge and belief, the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or an award was conferred on an earlier occasion.

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**ABSTRACT**

Historically, Embodied Conversational Agents(ECAs) have been used as virtual assistants that make easier the access to information or help in performing complex tasks. Due to their high computational requirements ECAs are usually run on desktop computers, but with the recent development of hand-held devices both in hardware and software, it became easy to move ECAs to that new mobile scenario. Thus, we propose an open-source based platform for developing ECA based interfaces on Android-equipped devices. We also present a prototype for controlling a home automation system.

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**LIST OF ABBREVATION**

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| --- | --- | --- |
| **s.no** | **ABBREVATION** | **expansion** |
| **1** | **ECA** | **Embodied Conversation Agent** |
| **2** | **CI** | **Control Interface** |
| **3** | **ASR** | **Automatic Speech Recognition** |
| **4** | **VAD** | **Voice Activity Detector** |
| **5** | **CE** | **Conversation Engine** | **5** | **CE** | **Conversation Engine** |

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