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(71)**Name of Applicant :**
1)BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)PROF.HANAMANT SALE
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------
2)MR.CHANDRAKANT JADHAV
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------
3)MR.PRAMOD YADAV
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------
4)MR.OM BHAGAT
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------
5)MISS.SAMRUDDHI JADHAV
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------
6)PROF.ASHA SALE
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------
7)DR.SANDHYA DILIP JADHAV
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR-7, CBD BELAPUR, NEAR KHARGHAR RLY. STATION, NAVI MUMBAI-400 614, MAHARASHTRA, INDIA. ---------- ----------

(57) Abstract :
The proposed approach is used to identify the names of the birds. As humans can see less but have great hearing capacity so with this, they are only able to hear birds but not able to visualize them. In such cases, this system is helpful for bird identification. This system's design enables it to continuously record the birds and use speech analysis to distinguish between them. The tool can be used for a variety of research-related purposes. Blind people can also benefit from studying birds. These methods can also be utilized in the classroom to teach because occasionally people can recognize a bird by its picture but not by its voice, or vice versa. The main objective of the system is to analyze birds that migrate from different continents to India because many bird enthusiasts are interested in researching these migrating species. This is the primary driving force behind the system's development. For bird observation and recognition, no prior knowledge of bird voices is required; all that is required is a Raspberry Pi equipped with a microphone and the bird identification software.

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