



## **To Whomsoever It May Concern**

### **Sub: Acknowledgement of Collaboration - Stray Cattle Detection Project**

I wish to acknowledge the efforts of Dr. Shweta Shah, Mentor, Department of Electronics Engineering, Sardar Vallabhbhai National Institute of Technology and following students at Sardar Vallabhbhai National Institute of Technology, Surat for their contribution on the Stray Cattle Detection Project, a collaboration with Surat Municipal Corporation. The engagement was from August 2021 to May 2022.

#	Name of Student	Enrolment No	Year
1.	Malhar Anand Yadav	U18EC002	B. Tech. IV (EC)
2.	Nirali Brahmabhatt	U18EC058	B. Tech. IV (EC)
3.	Maggam Aakash	U19EC082	B. Tech. IV (EC)
4.	Gurram Yashwanth	U19EC100	B. Tech. IV (EC)
5.	Amulya Katta	U19EC106	B. Tech. IV (EC)
6.	Aniket Nareshkumar Rana	U20EC065	B. Tech. IV (EC)
7.	Manish Kumar Lalwani	U20EC055	B. Tech. II (EC)
8.	Anand Gupta	U20EC001	B. Tech. II (EC)
9.	Ratnadeep Patra	U20EC060	B. Tech. II (EC)
10.	Chaitanya Rathod	U20EC008	B. Tech. II (EC)
11.	Aditya Ramesh Kale	U20EC117	B. Tech. II (EC)

The Stray Cattle Detection Project centered around mitigating the issue of stray cattle causing disruptions and potential hazards on our city's streets. The team leveraged machine learning techniques to successfully develop a model for the detection of stray cattle through CCTV surveillance cameras. The team also evaluated the feasibility of integration of the model in the existing surveillance camera infrastructure.

The impact of the team's work has been noteworthy, as the project has the potential to enhance traffic management, promote public safety, and contribute to the overall well-being of the community.

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