
	<p align="center">Pimpri Chinchwad Education Trust's Pimpri Chinchwad College of Engineering</p>	
Final Year B.Tech. Project- Abstract		

Department: Electronics and Telecommunication

Project Title	Cheerbotix 2.0
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Name of the Guide/s	Prof. A. B. Patil
Abstract	<p>Robotic dance has attracted interest in the field of social robotics, and dancing robots can perform many kinds of robotic dances. In general, robotic dance has many social effects in society: 1) It is a kind of interactive social behaviour, in particular human–robot interaction and animal activity, 2) it is a way to express the emotions or intentions of robots through nonverbal communication, 3) it is a treatment and therapy for a wide range of illnesses, including autism, developmental disorders, and attention deficit and cognitive disabilities. Dancing robots involve the exploration of the physical hardware structures, kinematics, dynamics, and the automation of a robot so it can dance. On the other hand, robotic dance is an expressive form of the art of dance performed by robots and is focused on how to make a robot dance as a human does, and how a robot creates and performs beautiful dance. In addition to these a hand gesture recognition system that allows interaction with robot in dynamic environment and in real-time is purpose the system detects hand and static gestures and moves accordingly.</p>
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