

OORJAM

DEPARTMENT OF EEE

MAY 2022

ARTS DAY

Several competitions were held as part of Arts Day at SNGIST on 13 May 2022. Annex Cyril of S4 Diploma EEE and Mukhil Krishna of S8 B. Tech EEE got first prize and second prize respectively in Pencil Drawing competition.



BIRTHDAY CELEBRATION AT DEPARTMENT



S8 B. Tech EEE students arranged a befitting birthday function along with a cake cutting ceremony for the new faculty Ms. Megha Anil, Assistant Professor of EEE Department. All the students and staff participated in the event.



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PARENTS MEETING

Dept. of EEE conducted a PTA meeting of S8 B. Tech EEE (2018 -2022 batch) on 21 May 2022. Parents of 15 students attended the meeting. Details of internal assessment, attendance and placement and University results were discussed.



STUDENTS CORNER

EYE-MONITORED ELECTRIC WHEEL CHAIR

Statistics suggests that there are 11,000 new cases of quadriplegia every year in United States of America. Great people like Stephen Hawking and Max Brito have been suffering from this crippling phenomenon. Our project is an attempt to make lives of the people suffering from this phenomenon simple and by simpler we mean self-reliant, which will thereby reinstate their confidence and their happiness. The idea is to create an Eye Monitored System which allows movement of the patient's wheelchair depending on the eye movements. We know that a person suffering from quadriplegia can partially move his eyes and tilt his head, thus presenting an opportunity for detecting those movements. We have created a device where a patient sitting on the Wheel chair assembly looking directly at the camera, is able to move in a direction just by looking in that direction. The camera signals are monitored by a Gaze Tracking technique in open cv, which will then guide the motors wired to the DC motor 120 rpm. The system is cost effective and thus can be used by patients spread over a large economy.



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