

# S.CHANDRU

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## PERSONAL WEBSITE:

<https://chandrusanthanam.github.io/funnyWebsite/image.html>

## EDUCATIONAL QUALIFICATION:

Course	Institution	Year of Passing	Percentage/CGPA
B.E-EEE	Sri Venkateswara College of Engineering (Anna University)	2020	8.8 CGPA
HSC	Jaya Jaya Sankara International School (State Board)	2016	93.5 %
SSLC	Jaya Jaya Sankara International School (CBSE)	2014	8.6 GPA

## AREA OF INTEREST:

- Electronic Devices
- Digital Electronics
- Web Technology

## COMPUTER SKILLS:

### PROGRAMMING LANGUAGES :

- C(CERTIFIED FROM CSC)
- C++
- JAVA

## **WEBTECHNOLOGY:**

- HTML5
- CSS3
- JAVASCRIPT(BASICS)

## **OFFICE PACKAGES:**

- MS-WORD(PROFICIENT)
- MS-EXCEL(INTERMEDIATE)

## **PROJECT DETAILS:**

### **1) DESIGN & DEVELOPMENT OF CHANDLER'S LOOP FOR BIOMEDICAL APPLICATION**

- To design a system which involves the Circulation of blood around a closed Chandler loop continuously so that it comes in contact with a sample which will be present in chamber.
- Blood cells are examined which are lysed because of contact with sample is noted and viability of the sample is decided and Quantities such as temperature , pressure and flow rate are measured.

### **2) ION THRUSTER TO DRIVE TRAIN**

- To create thrust by accelerating positive ions with electricity and to use ion thruster in Hyperloop as propellant engine in order to increase the efficiency and speed of the engine.

## **INDUSTRIAL INTERNSHIP:**

- 1) **GLR LABORATORIES PVT LTD** - Worked in Project titled as “ DESIGN & DEVELOPMENT OF CHANDLER'S LOOP FOR BIOMEDICAL APPLICATION” (JAN 2020 to MAY 2020).
- 2) **FLEXTRONICS PVT LTD CHENNAI INDIA-** Worked in Project titled as “AUTOMATED GUIDED VEHICLES ” (JAN 2020 to FEB 2020).

## DESIGN SOFTWARES:

- FUSION 360 (EXPERT)
- EASYEDA

## PAPER PRESENTED:

Presented a paper on **Ion thruster to drive train** - Advances in Electrical & Electronics Engineering at the **Sri Venkateswara College of Engineering** (2019)

## INPLANT TRAINING:

Attended five days Inplant Training in **Power substation 400KV-SS**, Chennai (2018)

## TECHNICAL EVENTS:

- Attended a workshop in EMTP-RV Power systems in VIT,Vellore(2017)
- Attended a PALS program on IOT in REC,Chennai (2018)
- Participated in CIRCUITRIX conducted by IEEE,Chennai (2019)

## LANGUAGES:

**ENGLISH** (Language of Education & Communication), **TAMIL** (Native Language), **GERMAN** (Basics).

## ACHIEVEMENTS:

- Second place in SVCE Innovates 2019 for **Ion thruster to drive train**.
- Zonal level winner in Kho-Kho in 2015 and 2016.

For more information log on to webpage,

<https://chandrusanthanam.github.io/funnyWebsite/image.html>



