**S.CHANDRU**

No 35, Srinivasa Nagar, **Email ID**: chandrusanthanam99@gmail.com

Poonamallee-56 **Contact No**: 9940532567

**LinkedIn Profile:** https://www.linkedin.com/in/chandru-s-039612184

**PERSONAL WEBSITE**:

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

**EDUCATIONAL QUALIFICATION:**

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| --- | --- | --- | --- |
| 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.

1. **ION THRUSTER TO DRIVE TRAIN**

* To create thrust by accelerating positive ions with electricity and to use ion thruster in Hyperloop as propulant 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