

**NAME** : Saravana Kumar V  
**USN** : 18E640  
**DEGREE** : Bachelor of Engineering  
**BRANCH** : Electrical and Electronics Engineering (SW)  
**COLLEGE** : PSG College of Technology, Coimbatore



<b>DATE OF BIRTH</b>	: 21/09/2000	<b>PERMANENT ADDRESS:</b>
<b>GENDER</b>	: Male	No.3, Brahmana st,
<b>FATHERS NAME</b>	: Vadivelu L	Palli village and post,
<b>LANGUAGES KNOWN</b>	: Tamil, English	Cheyar taluk,
<b>MAIL ID</b>	: <a href="mailto:18e640@psgtech.ac.in">18e640@psgtech.ac.in</a>	Tiruvannamalai – 604407,
<b>CONTACT NO</b>	: 9842930517	Tamil Nadu.

#### ACADEMIC RECORD:

Course	Institution / School	Year of Graduation	CGPA / Marks (%)
B.E. (Electrical and Electronics Engg.)	PSG College of Technology, Coimbatore.	2023	8.42*
XII	Sunbeam Higher Secondary School, Vellore (State Board)	2018	92.58
X	Sri Ramakrishna Matriculation School, Vellore (State Board)	2016	94.20

\*- CGPA up to 8<sup>th</sup> semester

Semester	I	II	III	IV	V	VI	VII	VIII
CGPA/10	7.89	7.91	8.11	8.02	8.22	8.36	8.44	8.42

#### AREA OF INTEREST:

- Electrical machines
- Power Electronics

#### SKILL SET:

Languages	C, C++, Python (Basic level)
Tools	MATLAB, ANSYS Motor CAD, Proteus, Keil, LABVIEW

#### TRAINING DETAILS:

Name of the Industry	Duration	Area of Exposure
PSG Industrial Institute, Coimbatore	72 weeks	Manufacturing, Assembly and Testing of Induction Motors and Submersible pumps
Neelambur Foundary Division, Neelambur	21 days	Manufacturing of Patterns, Cores and Moldings

#### INTERNSHIP DETAILS:

Name of the industry	Duration	Area of Exposure
Chakradhara Aerospace and Cargo Pvt Ltd.	3 Months	Torque motor, Testing of Actuators, Design of ignition coil and inductance
National Small Industries Corporation (NSIC) – E-intern	2 weeks	Electrical Substation, Components used, Testing of components
National Small Industries Corporation (NSIC) – E-intern	3 weeks	Embedded System with ARM Microcontroller, PIC Microcontroller

#### PROJECT DETAILS:

##### PERFORMANCE ANALYSIS OF SYNCHRONOUS RELUCTANCE MACHINE (SynRM)

Designed and simulated a SynRM motor with 2.2 kW, having a motor frame of 90L using ANSYS Motor CAD. Performance analysis was carried out from which the improvement in power factor was absorbed and the torque ripple was reduced.

#### MINI PROJECT DETAILS:

- Designed a Buck Converter of output 18V from a 48V Battery
- Design of a Plus – minus 5V regulated power supply from 9V Battery

#### CO-CURRICULAR ACTIVITIES:

- Introduction to the Internet of Things and Embedded Systems, COURSERA, July - 2020
- AI For Everyone, COURSERA, Oct - 2020
- Programming for Everybody (Getting Started with Python), COURSERA, July – 2020

#### EXTRA – CURRICULAR ACTIVITIES:

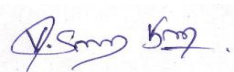
- Served as a Club Member in **National Service Scheme**
- Served as a Club Member in **Youth Red Cross**
- Attended “**SEVEN DAYS NSS CAMP**” under Government support

#### HOBBIES:

- Playing Cricket
- Drawing

#### DECLARATION:

I, Saravana Kumar V, do hereby confirm that the information given above is true to the best of my knowledge

  
(SARAVANA KUMAR V)