# CURRICULUM VITAE



## VASANTHAN.P

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## CAREER OBJECTIVE

To work in a challenging, competitive and mentally stimulating environment so as to harness my potential in a way to give in the best of my capabilities.

## STRENGTH

➢ Optimistic, with the will to win.
➢ Independent, self-motivated & innovative.

## ACADEMIC CHRONICLE

| Course | Institution | Examining Authority | Year | Marks / CGPA |
|--------|-------------|---------------------|------|--------------|
| PHD | ANNA UNIVERSITY | ANNA UNIVERSITY | PURSUING | CONFIRMATION |
| ME(CSE) | SATHYABAMA UNIVERSITY | SATHYABAMA UNIVERSITY | 2013 | 7.4CGPA |
| B.TECH (I.T.) | ADHIPARASAKTHI ENG. COLLEGE, MELMARUVATHUR. | ANNA UNIVERSITY | 2006 | 72% |
| D.I.T | SRI SAIRAM POLYTECHNIC COLLEGE, CHENNAI. | STATE BOARD | 2003 | 80.4% |
| H.S.C | E.C.I. MATRIC. HR. SEC.SCHOOL, CHENNAI. | STATE BOARD | 2001 | 60% |
| S.S.L.C | CHRISTIAN.MATRIC. HR.SEC. SCHOOL, CHENNAI | STATE BOARD | 1999 | 60.25% |

## EXPERIENCE

1. Working as a Asst Professor in **SRI SAIRAM OF ENGINEERING COLLEGE- Tambaram** from September 2021 to till now **(3. 03 months)**

2. Working as a Asst Professor in **R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY - Thiruvallur** from Feb 2020 to July 2021**(1.5 Years)**

3. Worked as a Asst Professor in **T.J. INSTITUTE OF TECHNOLOGY- Chennai** from June 2013 to Feb 2020**(6.9 Years)**. Worked as a Lecturer in **T.J. INSTITUTE OF TECHNOLOGY- Chennai** from June 2006 to 2011**(5 Years)**

   - As a Lecturer I take the whole responsibilities of my Class & My Subjects.

   - Regularly done the Seminars & Paper presentation in my subjects to promote the ideas & knowledge.

   - As a Department In-charge I take several activities for both staffs & students

   - As a Exam cell In-charge I Organize Past 10 semester Anna University Examinations.

   - I handled more than 158 UG Projects for Final Years

   - As a **Head of Department   Computer Science And Engineering** From May 2017 to Feb 2020 year in **T.J. INSTITUTE OF TECHNOLOGY**

## DEPARTMENT ACTIVITIES

- Acted as a counselor I take the whole responsibility of my students
- **ISO Inspections –** Attendance  file in charge (R-28/Attendance for II,III,IV)
- **NBA. Inspections** - I supported Subject Attainment , Course End Survey ,Research Activities.
- **Autonomous  inspections** - I supported Research file Activities.
- **Placement Activities** – I handled coding classes (C,C++,Java and Python) for final year **Mechanical Engineering** students
- I supported  **Placement Activities** with our Department Coordinator

## PROJECT PROPOSAL

Dr. G. Adiline Macriga , Mr. P. Vasanthan **"Development and Validation of test method for Hardware Security Assessment of Electronic products / Field Equipment used in the Power System SCADA" BIS (Budget of Rs 3,80,000/-)**

## PATENTS

- A Patents was Submitted with the title of "**Recognition of Identifying Malicious Cyber Attack Intention in Cyber Physical System**" in the name of R.M.K College of Engineering and Technology date ; 05-April-2021. **Published**
- A Patents was Submitted with the title of "**IOT controlled hospital room monitoring system for temperature and humidity" date :07/03/22 Granted**
- Artificial Intelligence And IoT Based Automatic Smart Health Care System To Monitor And Predict Breast Cancer To Avoid It Early Stages For Healthy Life For All Ages Of Women Using Wsn, Image Processing And Deep Learning Algorithm **11/11/2022. Published**

## PAPER PUBLICATIONS- SCOPUS DETAILS

- Suresh Kumar, M., Abisha, S., Tejashree, D., Vasanthan, P." **Annotation Tool and Urban Dataset for 3D Point Cloud Semantic Segmentation**" 14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023. 2023, 2023-June, pp. 2210–2216
- Vasanthan P, Shanthini D , Swathika K "**Cognitive Epidemic Supervision And Control By Interpretation Of Infected Patients**" IEEE CONFERENCE SERIES Paper submitted on 25May2023.doino: 10.1109/ICNWC57852.2023.10127476
- Jemin V M , Vasanthan P **"Credit card Forgery Identification By Location using Android Based Monitoring"** IOP Conf. Series: Materials Science and Engineering, Dec 2020,1757-899X, doi:10.1088/1757-899X/993/1/012057
- Vasanthan P, Jemin V M **"A Innovative Network Security Regulations Dependent on Improved Support Vector Machine from the Outlook of Modern Cities"** Journal Of Hazehong University Of Science And Technology March 2021,vol no-50,issue no-3 ISSN No- 1671-4512
- Vasanthan P, Jemin V M "**A novel network security regulation based on improved support vector machines from the perspective of modern cities**"

  IOP CONFERENCE SERIES Paper submitted on July 2021.

## PAPER PUBLICATIONS- SCI DETAILS

- Suresh Kumar, M., P DEEPAK, Vasanthan, P,K. Vijayakumar. **"Integrated Global And Local Feature Extraction And Classification From Computerized Tomography(CT) Images For Lung Cancer Classifications"** AEPress, BLL_2024_34.doi:10.4149/BLL_2024_34.

## CONFERENCE DETAILS

- Measuring Price based Reputation System in Mobile Adhoc Networks using Game Theory on Recent Innovation in Advance Computing technologies Feb 2013
- Real Time Driver Heart Rate Monitoring System Using Iot In The International, Virtual Conference On Research Innovation In Science, Engineering And Technology March 2021.

## COURSE DETAILS

- **NITTTR Courses –** 8 Modules completed
- **NPTEL Courses –** 3 modules doing domainwise
- **New India Learnathon 2020(20 Courses** organized by ICT Academy
- **GUVI Courses** - **Step into Robotic Process Automation** during GUVI RPA Skill-a-thon 2020
- **GUVI Courses** - **Python Programming** GUVI 2021
- **Coursera Course** -  **Python for Everybody Specialization**
- **Coursera Course** - **Machine Learning**
- **EDX Course Visualizing Data with Python**
- **EDX Course - Network Security**

## FACULTY DEVELOPMENT PROGRAM DETAILS

- Participated in FDP **"Emerging Technologies of Fourth Industrial Revolution(4IR):A Practical Approach to Theoretical Conversion"** from 29-06-2020 to 04-07-2020 Organized by SRM Institute of Science and Technology
- Participated in FDP "**Arduino"** from 01-06-2020 to 05-06-2020 Organized by Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India
- Participated in FDP "**Trends In Artificial Intelligence & Data Science"** from 13-07-2020 to 15-07-2020 Organized by Eswari Engineering College.
- Participated in FDP "**Data Sciences"** from 07-09-2020 to 11-09-2020 Organized by AICTE/ Prathyusha Engineering College
- Participated in FDP "**Telemedicine"** from 14-09-2020 to 18-09-2020 Organized by AICTE/ R.M.K. Engineering College
- Participated in FDP "**Machine Learning"** from 07-12-2020 to 11-12-2020 Organized by AICTE/ R.M.K College Of Engineering And Technology
- Participated in FDP "**Teaching Learning methods towards OBE-phase II"** from 10-02-2021 to 23-02-2021 Organized by Velammal Institute Of Technology
- Participated in FDP "**Essential of Outcome based Education"** from 15-03-2021 to 19-03-2021 Organized by Dr.MGR Educational and Research Institute
- Participated in FDP "**Two Weeks international FDP onTrends and Challenge in machine learning and deep learning"** from 10-05-2021 to 21-05-2021 Organized by SRM Eswari Engineering College
- Participated in FDP "**How Teachers make a difference"** from 15-04-2021 to 17-04-2021 Organized by Teachers Learning Center(TLC) Indian Institute of Technology Chennai
- Participated in AICTE Online Short Term Training Program "**Internet of Things Based Automation Using Machine Learning"** from 03-05-2021 to 08-05-2021 Organized by Hindustan college of Engineering and Technology

## TECHNICAL SKILLS

- Operating Systems : Windows 95 / XP/7/8/10, Linux-Fedora
- Programming Languages : C, C++, Java, python and Visual Basic.
- Databases : Oracle express edition , MySQL
- Internet Technologies : HTML, CSS, XML, javascript,PHP, JSP, Servlet.
- Design Tools : Rational Rose (UML),Adobe Dreamweaver
- Package : Flash, MS Office.
- Data Analytics Tools : R Basic,Python Basic,Weka,Data Science

## CO –CURRICULARS

- Received "8" time Cash awards in Academic Performance for producing 95% above an 100% Result in Anna University Examination
- Honored Best Department Coordinator appreciation
- Own the responsibility of Department Department coordinator for past 9 years
- Own the responsibility of Department Alumni coordinator for past 9 years
- Handled placement and training programs in Programming Language C,C++,,JAVA,PYTHON,HTML,CSS,PHP,MySQL for final year students

## PROJECT PROFILE

**1. Project Title: "DDOS ATTACKS AND PRIVENTION USING CENTRIC ROUTER THROTTLE"**
**Software's used: Java Swing And Jcap**

**Project description:** Aim of this project is to how to attack and prevent that attack using Algorithm.to work the Server effectively and efficiently without any reducing the service.

- The main objective of our project is to develop a network architecture and algorithm for countering DDoS attacks directed at an server in a network.
- To control this attack we presented throttle algorithm and we focus on evaluating the algorithm convergence under a variety of performance parameters.

**2. Project Title :  "WINDOWS APPLICATION PROGRAMMING INTERFACE"**

**Front End     : Java Swing**

**Project description :**  Aim of the project is to create a minidesktop for accessing a software within seconds for efficiently by the user.  WinAPI is the interface between the user and the applications software.

- The WinAPI is a series of functions that let us access Windows programming constructs at the system level. (such as shutdown, restart, logoff ,open a file save a file ,cut ,copy , paste, etc.,)
- An Application Programming Interface (API) is a set of definitions of the ways in which one piece of computer software communicates with another.

## FIELD OF INTEREST

- ➢ System Software
- ➢ Object Oriented Programming
- ➢ Web Technology
- ➢ Internet Programming
- ➢ Software Testing

## HOBBIES

Watching this beautiful world, and Playing all types of Games and sports.

## PERSONAL DETAILS

Date of Birth       : 15-03-1984
Father's Name      : Parthasarathy.S
Linguistic Skills     : Tamil and English
Permanent Address  : No:5/3 Ganapathy Nagar 2$^{nd}$ Street,
                                   Ekkattuthangal,
                                   Chennai -600032
                                   .

## DECLARATION

I here by declare that the above-mentioned details furnished by me are true and correct to the best of my knowledge and belief. I am willing to produce Original certificates on demand at any stage.

Place: Chennai                                             Signature

Date:

                                                   (P.VASANTHAN)