**CURRICULAMVITAE**

**Dr. A. MOHAN., M.Tech(IT)., PhD(IT).,**

Plot No.72, Ram Nagar, 2nd Main Road, Thiruverkadu, Chennai – 77.

Ph: 9894183073, E-mail:yrsmail@rediffmail.com, annamalaimohan@gmail.com

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**Professional Summary**

Exceptionally seasoned and dedicated Engineering Professor with a strong record in both teaching and administration. Adept at explaining highly complex engineering theories and practices in a clear and accessible manner to a variety of professional and non- professional audiences. Committed to offering interested students my full attention and expertise to help further their academic and professional goals.

**Grants Received:**

* **Rs. 50,000/- Received from AICTE , to conduct National Conference on Data Engineering(NCIDEA) , May 2021.**
* **Rs. 7,14,990/- Received from AICTE- MODROB, to develop the department laboratory - Machine Learning with IOT Lab, September 2021.**
* **Rs. 50, 000/- Received from Indian National Science Academy (INSA) for conducting two days seminar on “ Cloud Computing and its Applications”, June 2021.**
* **Rs. 5,00,000/- Received from AICTE – AQIS , to conduct Short Term Training Programme for Faculty on** “ Cloud Based Data Engineering using AWS Service”, Aug 2020.
* **Rs 3,00,000/- Received from Pointel Solutions India P Ltd & Other Agencies** for conducting International Conference on Recent Trends in Information Technology, Sep 2016.
* **Rs. 80,000/- Received from Anna University,** to conduct Faculty Development Programme for Faculty (2 Times), June 2012 & June 2014**.**

# Patents – No. of Patents: 04

* A Patents was published with the title of “Classifying DDOS Occurrences Evaluation using Machine Learning Approaches using Predictive Analysis”, Application No.202041028519 and Publication date; 23.05.2022.
* A Patents was published with the title of “Evaluation of IoT in Health Sector by Preserving Privacy Security Analysis in Health Care”, Application No.202041028519 and Publication date; 18.05.2022.
* A Patents was published with the title of “Design system of Monitoring and Alert Management of Spy Tracker using artificial intelligence (VSaaS) for IoT”, Application No.202041005762 and Publication date; 11.02.2022.
* A Patents was published with the title of “Automatic Maintenance And Prediction Of Working People’s Health Status Using Machine Learning”, Application No.202041018842 A and Publication date ; 05-June-2020.

**Research Award**

* Received outstanding thesis award from Cape Comorian Publishers, December 2021.

**Organized - Online Courses:**

* Organized “Web Essential and Development” course for +2 Students during COVIN-19,

May 2021.

* Organized “Artificial Intelligence” Course for +2 Students during COVID-19, June 2019.
* Organized “Introduction to Data Science” course for +2 Students during COVID-19, June

2019.

* Organized “Web Designing” course for + students during COVID-19, June 2019.
* Conducted Python Online Course for +2 students during COVID-19, May 2019.

**Core Qualifications**

* Extensive breadth of experience in engineering instruction at the college level
* Strong ability to deliver course material through a variety of teaching methods
* Excellent presentation and communication skills
* Superior creative and critical thinking abilities
* High multitasking ability to balance teaching and administrative duties

**Education:**

**PhD(IT) 2019** Anna University, Chennai.

**M.Tech (IT)** 2006-2008 Sathyabama University, 80%

Chennai.

**(Ist class with dist)**

**B.Tech (IT)** 1999-2002 PriyadarshiniEngg. College, 70.1%

Vaniyambadi.

**(Ist class)**

# Member

Appointed as a DC Member for Research Student, St Peters University, and

Chennai**.**

**Student Name:** Mr. Komal Kumar

# Program’s organized & conducted

* Organized 6 Days AICTE Sponsored STTP on “ Cloud Based Data Engineering using AWS Architecture” at Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineer- ing College, Avadi, Chennai, Sep 2021.
* Organized the Four Days National Workshop on “ Machine Learning with Python” at Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College, Avadi, Chennai, Dec 2020.
* Organized the Two days National Seminar on “Cyber Security” at VelTech HighTech Dr Rangarajan Dr Sakunthala Engineering College, Avadi, Chennai, Sep 2019.
* Conducted Value Added Course for students on title of “Java Programming”, Sep 2019.
* Organizing One International Conference(ICCCIS) in Saveetha Engineering College, Chennai.
* Since 2009 Every year Conducted the National Conference(ICTCON) at Saveetha Engineering Collge.

# Publications– International Journal / Conference’s – 21

* Sowmiya, Solai, Nelson , **A.Mohan**, “Profile Similarity Recognition in Online Social Network Using Machine Learning Approach”, IEEE Conference, 4th International Conference on Inventive Research in Computing Applications ICIRCA 2022, - Accepted (SCIE – Web of Science), August 2022.
* A.Prabhu Chakkaravarthy, **A.Mohan**, “An Automatic Rehearsal Segmentation on Dermoscopy Images for Consolidating Jagged Margins using Iterative Contours”, Computational Intelligence and Neuroscience, Hindawi , - Accepted (SCIE – Web of Science), July 2022.
* Prabhu Chakkaravarthy A, **A.Mohan**, "An Automatic Region Based Optimal Segmentation and Detection of Features on Dermoscopy Images using Morphological and Levelset Segmentation", Traitement du Signal, July 2022 - Accepted (SCIE - Annexure I),
* Parthasarathy, P. Visu**, A.Mohan** and Prabhu Chakkaravarthy , 2022, “ DATA SECURITY FOR MEDICAL IMAGE PROCESSING IN AUGMENTED REALITY(AR) USING SMART MODEL”, International Conference on Data Science, Agents and Artificial Intelligence 2022 (ICDSAAI 2022), Aug 2022. (Scopus Indexed - Accepted)
* P. Visu**, A.Mohan** and Prabhu Chakkaravarthy , 2022, “ SELF LEARNING ARTIFICIAL INTELLIGENCE SMART BOT WITH NLP AND SPEECH RECOGNITION”, International Conference on Computing and Communication”, May 2022. (Scopus Indexed - Accepted)
* Prabhu Chakkaravarthy and **A.Mohan** , 2022, “ A NOVEL TECHNIQUE ENABLING TEXT TO SPEECH SIGNAL CONVERTING SYSTEM USING RASPBERRY PI”, International Conference on Computing and Communication”, May 2022. (Scopus Indexed - Accepted)
* **A.Mohan** and Prabhu Chakkaravarthy , 2022, “ Storing and Receiving the FIR Reports using Block Chain Technology”, International Conference on Advanced Computer Communication system”, May 2022. (Scopus Indexed)
* V. Ganesh Raj, M. Srihari, **Dr. A. Mohan**, 2021, “CASTING DEFECT DETECTION USING YOLO V4”, International Research Journal of Modernization in Engineering Technology and Science, Volume-03, Issue-04, Page No - 1581-1585.
* **Mohan**, K. Suresh kumar, S. Sakthivel, 2019, “ Smart Card Reader for Engineering Students [SCR-All in One]”, International Journal of Recent Technology and Engineering”, Volume -8, Issue-3, pp no 434-441.
* N. Komal Kumar, **A. Mohan**, Yogeshwari, 2019, “ ISSK- An Integrated Environment of Healthcare Management Systems”, International Journal of Science and Technology Research”, Volume -8, Issue-5, pp no 2388-2395.
* **A.Mohan**, S. Sakthivel, J. Senthilmurugan, Balaji Vijayan, 2019, “ Wireless Lab Environment of Engineering Students using Wi-Fi Architecture”, International Journal of Recent Technology and Engineering”, Volume -3, Issue No 3, pp no 66726681.
* **Mohan**, N. Komal Kumar, 2019, A paper was published in the title of “Consideration of Validation of Simultaneity Control of Deadlock Detection in Inheritance systems”, Springer,ICETE, pg. 122-130 .
* N. Komal Kumar, Laxman, Yuvaraj **, A. Mohan**, 2019, “Detection and Recognition of objects in Image Captcha Generator system: A Deep Learning Approach”, IEEE, ICACCS 2019 Pg 105-109.
* **Mohan**, Dr. P Senthil Kumar, 2018, “Theoretical Approaches of Deadlock Detection in Multithreaded Applications”, Journal of Graphic Technology, Volume- 1, Issue -1, page no 1334-1339.
* **Mohan**, Dr. P Senthil Kumar, 2018, “Function of Graduate Monstrance Computation in Bioinformatics”, Bio Medical Research, India,(Acceptance Received)
* **Mohan**, Dr. P Senthil Kumar, 2018, “Versatile Routing algorithm calculation in Torus Network Using VCT” ,Journal of Electrical Engineering , Volume No – 9, Issue No -3, Page no 1233-1240.
* **Mohan**, Dr. P Senthil Kumar , 2016,“An effective standing exposure in Gridlock(Deadlock)”, Asian Journal of Information Technology, Volume 4, Issue No 12, Pages 138-146.
* **Mohan**, Dr. P Senthil Kumar ,2015, “A review survey of deadlock detection in multithreaded applications”, International Journal of Engineering and Technology”, Volume 5, Issue 1, pages 201-205.
* **Mohan**, Dr. P Senthil Kumar , 2014, "Dynamic Maps: Deadlock detection in multithreaded Applications”, Asian Journal of Information Technology, Volume 4, Issue 1, pages 38-49.
* **Mohan**, Dr. P Senthil Kumar , 2013, “Conjunction Avoidance in Frame Relay Architecture”, Standard International Journal”, Volume 1, Issue 1, Pages 33-38.

# Invited as Guest Lecture

* Delivered Guest Lecture on “Structured Query Language” for Engineering Students at Rajalakshmi Institute of Technology, Chennai, May 2022.
* Delivered Guest Lecture on “Guidelines for project proposal ” for Engineering Facultyat, Sri Manakula Vinayakar Engg College, Puducherry, May 2022.
* Delivered Guest Lecture on “National Seminar on Machine Learning ” for Engineering Faculty at Reva University, Bangalore, May 2022.
* Delivered Guest Lecture on “Intellectual Property Rights” for Engineering Faculty at TKR Engineering College, Telangana, 2021.
* Delivered Guest Lecture on “Python Programming” for Senior Secondary Students at Vidya Ratna Higher Secondary School, Adyar, Chennai, 2019.
* Delivered Guest Lecture on “Python Programming” or Senior Secondary Students, at Girls Government Higher Seconday School, Uthukottai, Thiruvallur Dt, 2019.
* Delivered Guest lecture on “Internet Programming” at KarpagaVinyaga college of Engineering and Technology, Chennai, 2018.
* Delivered Guest lecture on “Java Programming” at Jawarlal Institute of Engineering and Technology, Chennai, 2017.
* Delivered Guest lecture on “Java Script” at KarpagaVinyaga college of Engineering and Technology, Chennai, 2017.
* Delivered Guest lecture on “Java Programming” at KarpagaVinyaga college of Engineering and Technology, Chennai, 2017.
* Delivered Guest lecture on “Operating Systems” at KarpagaVinyaga college of Engineering and Technology, Chennai, 2017.

# Conferences, Seminars & Workshops Attended

* A 3 Days Faculty Development workshop on “Cloud Computing” was attended at VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College, Avadi, Chennai.
* Practice on Java Programming, Training programming was organized by Wipro Solutions Ltd, Chennai.
* A national Seminar was attended at Sri Balaji Chockalingam College of engg& Technology, topic of “Cryptography and Network Security”
* A paper was presented at Sri Balaji Chockalingam College of Engg & Technology, topic of “ Recent trends in Information technology”
* A paper was presented at Sri Nandhanam College of Engg& Technology, topic of

“wireless technology”.

* A national conference was attended at Sri Nandhanam College of Engg& Technology, topic of “GPRS”.
* A national conference was attended at Saveetha Engg. College, topic of “MEMS”.
* A paper was submitted to national level conference in Saveetha Engg College, thetopic of “3G technology”.
* A paper was participated in national level conference at Saveetha Engg college, thetopic of “An effective standing exposure in gridlock”
* FDP was attended at “Arulmigu Kalasalingam Engg college”, in topic of “Visual Programming”.
* FDP was attended at “ Sri Krishna Engg College, Coimbatore” in the topic of “ Web Technology”.
* FDP was attended at “Anna University, Chennai” in the topic of “ Internet Programming”.
* SDP was attended at “Saveetha Engineering College”, a topic was “ Recent trends in Network Technologies”
* FDP was attended at “Vel Tech Technical University” a topic was “.net programming”.
* FDP was attended at “ICTACT academy, Chennai” a topic was “VLSI”. Campus Connect was attended at Infosys Technologies, Chennai.

**Achievements: Centum Results in Subjects:**

* Database Management systems
* Java Programming
* Object Oriented Programming
* Object Oriented Programming(EEE)
* Operating Systems
* Computer Programming
* Web Technology
* Web Programming
* Computer Networks

**Rewards:**

* Awarded Rs.1000 cash for centum result in semester.
* Awarded 4 grams’ gold for centum result in semester.
* Awarded Rs.1500 cash for centum result in semester.
* Awarded Rs. 3000 cash for centum result in semester

# Experience: 18 Years

Working as Professor in SIMATS, Saveetha School of Engineering, Department of Information Technology, Chennai from Dec 2021 - till date.

**Responsibilities**

* NBA Coordinator (Criteria 5 Incharge)
* Project Co-ordinator
* Mentoring
* Technical Trainer

Worked as Associate Professor & Head, in Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College, Department of Artificial Intelligence and Data Science, Avadi, Chennai from Aug 2018 - Dec 2021.

**Responsibilities**

* NBA Coordinator (Criteria 5 Incharge)
* Admission Counselling
* Fieldwork - Admission
* Project Co-ordinator
* Mentoring
* Technical Trainer

Worked as Associate Professor in Sakthi Mariamman Engineering College, Chennai from June 2016 – Aug 2018

**Responsibilities**

* + Project Co-ordinator.
  + Placement Training

Worked as an Associate Professor at Saveetha Engineering College, Chennai from Dec 2008 - April 2016

**Responsibilities:**

* + Conduction of Symposium Tech-Fest.
  + Maintained the Lab.
  + Assist to Placement Office.
  + ISO Co-Ordinator.
  + Project Co-ordinator.
  + In charge of Soft skill training program.
  + Industrial visit Co-ordinator.

Worked as Lecturer at Sri Nandhanam College of Engineering and Technology, Tirupattur from Aug 2003-Aug 2006.

**Responsibilities:**

* + Arranging Industrial Visits.
  + Arrange Guest Lecture Program.
  + Students Counselling.
  + Students Projects Co-ordinater
  + Conduction Symposium ELITE-2006.
  + Developed a website with new features.
  + Maintained the Lab.
  + Assist to Placement Office.

Worked as Lecturer at Priyadarshini Engineering College, Vaniyambadi from July 2002 – June 2003.

**Responsibilities**

* + Maintained the Lab.
  + Arrange the Industrial Visit.
  + Students Counselling.

# Teaching Interests

* Artificial Intelligence
* Machine Learning
* Python Programming
* Object Oriented Programming
* Computer Networks
* Java Programming
* Linux Programming
* Web Technology
* Computer Graphics and Multimedia
* Operating System
* Network Programming and Management

# Technical Skills

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| --- | --- |
| Operating Systems | : Ms-DOS, Windows-Xp and Linux 9.0 |
| Programming Language | : C, C++ |
| Web Technology | : Core Java, HTML, XML, ASP |
| Database | : Ms-Access, Sql |
| Data warehouse  **Activities:**  Member of ISTE, IAENG  **Personnel Profile:** | : Informatica7.2,BO |
| Father’s Name | : Late. Mr. R.Annamalai |
| D.O.B | : 16-03-1978 |
| Gender | : Male |
| Marital status | : Married |
| Nationality | : Indian |
| Permanent Address | : 22, V.O.C. Street, Mettuppalayam, Vaniyambadi– 635 754. |

Thanking you,

Yours truly,

**(Dr.A.Mohan)**