AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.
Ph: 044 – 26842627 / 26842086

DEPARTMENT OF INFORMATION TECHNOLOGY

NAME & INITIALS	Dr. LAVANYA .R
DESIGNATION	ASSOCIATE PROFESSOR & HEAD
EDUCATIONAL QUALIFICATION	M.E.,Ph.D.,
EXPERIENCE	14 years and 9 months
DATE OF JOINING	05/08/2009
EMAIL ID	r.lavanya@aalimec.ac.in
AREA OF SPECIALISATION	Deep Learning, Machine Learning, IoT and Soft Computing

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
M.C.A.,	Computer Applications	IGNOU	IGNOU	2006
M.E.,	Computer Science & Engineering	S.A.Engineering College	Anna University	2009
Ph.D.,	Deep Learning	-	Anna University	2023

PROFESSIONAL MEMBERSHIPS

1. Member in "Indian Society for Technical Education" with Membership ID: 'LM134426'

2. Member in "International Association of Engineers (IAENG)" with Membership Number: '242754'.

3. Member in "Institute of Research Engineers and Doctors(IRED)" with Membership Number: 'AM101000584379'.

4. Member in "International Association of Outsourcing Professionals" with Membership ID: '112806'.

5.Member in "International Society for Research and Development"

FDP ATTENDED
Attended six day National FDP Program on "Sustainable MEP Design in Modern Industry" organized by Department of E&I, Easwari Engineering College from 18-03-24 to 23-03-24.
Participated in FDP on "Salesforce Platform Developer 1" conducted by ICT Academy on 11-03-24 to 15-03-24.
Attended five days FDP on "Software tools for Engineering Research" organized by Department of ECE, Velammal Engineering College from 07-12-23 to 13-12-23.
Completed Online course on "Geospatial analysis using Google Earth Engine" conducted by Indian Institute of Remote Sensing (IIRS) Nodal centre from 19-02-24 to 23-02-24.
Attended six day online FDTP on "Research Challenges and Opportunities in Information Technology" organized by Department of Information Technology, Velammal Engineering College from 06-11-23 to 11-11-23.
Attended one week online International Faculty Development Programme on " The Role of Linear Algebra in Machine Learning, Artificial Intelligence and Data Science" organized by the Department of M&H, CSE and IT at Mahatma Gandhi Institute of Technology from 29.11.2021 to 03.12.2021.
Participated and Successfully completed Six Days Short Term Training Programme on "High Intense Course on Machine Learning with MATLAB", sponsored by AICTE, organized by Department of Electronics & Communication Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 07.12.2020 to 12.12.2020.
Attended six days AICTE sponsored online short term training programme on "Recent Trends in Artificial Intelligence and Soft Computing- IV" organized by the Department of Information Technology, R.M.D.Engineering College from 16.11.2020 to 21.11.2020.
Participated in One Week online Faculty Development Program on "PYTHON 3.4.3" organized by Department of Information Technology, Pragati Engineering College, from 08.06.2020 to 13.06.2020.
Participated in one week online Program on "Advances in Internet Of Things", organized by Department of Electronics and Computer Science at Fr.Conceicao Rodrigues College Of Engineering from 29.05.2020 to 02.06.2020.
Attended two days "Online FDTP: Web Application Security" organized by Department of Information Technology, Jeppiaar Institute of Technology from 27.05.2020 to 28.05.2020.
Attended National level Faculty Development Programme on "Artificial Intelligence" organized by the Department of Information Technology, CMR Engineering College from 23.05.2020 to 26.05.2020.
Attended five days "Hands on FDP: Data Science using Python" organized by Department of Information Technology, Jeppiaar Institute of Technology from 18.05.2020 to 22.05.2020.
Attended five days online AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial

Intelligence" at College of Technology and Engineering, Udaipur from 30-04-2020 to 04-05-2020.

Attended Faculty Development Program on "Automa Theory and Compilers", from 13th -15th December 2017 at S.A. Engineering College, Chennai.

Attended an Anna University Sponsored Faculty Development Program on "Applied Soft Computing" , from 12th - 8th June 2017 at Velammal Engineering College, Chennai.

Attended Faculty Development Program on "Miracle Malers", from 13th - 14th December 2010 at Aalim Muhammed Salegh College of Engineering, Chennai.

WORKSHOPS ATTENDED

Attended Workshop on "IoT Web Interface Development" organized by NoviTech R&D private Limited on 17-03-2024.

Attended Workshop on "Internet of Things with AI" organized by organized by NoviTech R&D private Limited on 09-03-2024.

Participated in one day online workshop on "Eddy Covariance Technique for Ecosystem studies" conducted by Indian Institute of Remote Sensing (IIRS) Nodal centre on 22-12-23 .

Participated in 5 days National level e-workshop on "Innovative Techniques in SPSS and Data Analysis" organized by the Department of Mathematics, Sathyabama Institute of Science and Technology from 03.01.2022 to 06.01.2022.

Attended Hands on training on " Internet of Things on Audiono, Raspberry PI and Contiki OS " organized by Department of Computer Science and Engineering, Aalim Muhammed Salegh College of Engineering on 12.06.2021.

Attended Hands on training on " Python and R " organized by Spoken tutorial project, IIT Bombay remotely at Department of Information Technology, Easwari Engineering College from 20.04.2020 to 29.04.2020.

Attended Two Days Hands on training on "Artificial Intelligence and Real time Cloud Platforms" held at St. Peter's College of Engineering and Technology from 07.11.19 and 08.11.19.

Attended Two Days Workshop on "Python and its Real Time Applications" held at Aalim Muhammed Salegh College of Engineering from 04.02.19 and 05.02.19.

Attended Workshop on "Product Development using Arduino", from 20th – 21st March 2018 at Aalim Muhammed Salegh College of Engineering, Chennai.

Attended Workshop on "Internet of Things (IoT) for Industrial Applications" held at Velammal Engineering College from 19.01.18 and 20.01.18.

Attended BRNS Sponsored National Workshop on "Internet of Things (IoT) for Industrial Applications" , from 19th - 20th January 2018 at Velammal Engineering College, Chennai.

Attended Workshop on "JAVA Programming", on 8th September2016 at Aalim Muhammed Salegh College of Engineering, Chennai.

SEMINARS ATTENDED
Participated in the Webinar on "Digital Marketing – The New Normal" organized by the Department of Information Technology, AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING on Saturday 25-02-2023.
Participated in webinar titled "Supply chain Analytics and its impact on Digital transormation" organized by Department of Information Technology, Aalim Muhammed Salegh College of Engineering on 29.08.2022.
Participated in webinar on "How to do quality publications" conducted by the Department of Computer Science and Engineering, Aalim Muhammed Salegh College of Engineering on 27.08.2022.
Attended webinar on "DevOps Fundamentals and Cloud Engineering" organized by Department of Information Technology, Aalim Muhammed Salegh College of Engineering on 16.04.2022.
Attended webinar on "Data Analytics using MATLAB" organized by Department of Computer Science and Engineering, Aalim Muhammed Salegh College of Engineering on 15.04.2022.
Attended Webinar on "IoT Revolutionary Approach for Future Technology" organized by the Department of Computer Science and Engineering, Mother Theresa Institute of Engineering and Technology on 07.01.2022.
Attended National Level Webinar on "Research Methodology" organized by the Department of Information Technology of Easwari Engineering College on 04.06.2021.
Attended a webinar in "Art and Challenges of writing papers for IEEE transactions" organized by IEEE Bangalore section on 08.06.2020.
Attended an ICMR sponsored National Seminar on "Deep Learning in Bioinformatics and Healthcare Informatics", from 6th – 7th July 2018 at Velammal Engineering College, Chennai.

PUBLICATION DETAILS
R.Lavanya, Dr.C.Murukesh, Dr.N.R.Shanker, "A Review Paper on Smart Controller using Efficient Method for Reducing Energy Consumption in HVAC", Journal of Applied Science and computations, Vol.6, Issue 5, May 2019.ISSN NO: 1076 – 5131.

CONFERENCE DETAILS
R. Lavanya, C. Murukesh, N.R. Shanker" Energy Management System using IoT and Cloud Computing" In Proceeding of International Conference on Engineering Management and Technology (ICETEMT-2022), Rajarajeswari College of Engineering, Department of Electrical and Electronics Engineering, Bengaluru , 21-22 June 2022
R.Lavanya " Customizable Location Based Application for Merchandising", International Intellectual Convergence on Advances in Science and Engineering at Aalim Muhammed Salegh College of Engineering – 3rd & 4th March 2019.
R.Lavanya " RAT TRAP – Inviting, Detecting & Identifying Attackers using Honey Words in a Purchase Portal",International Intellectual Convergence on Advances in Science and Engineering at Aalim Muhammed Salegh College of Engineering – 3rd & 4th March 2019.
R.Lavanya, "Providing copyrights for Databases and Secured Transmission in a Network", National Conference on Communication Technologies at Velammal College of Management and Computer Studies, Chennai – 28th January 2009.
R.Lavanya, "Watermarking Relational databases", International Conference on Computational Systems and Communication Technology at Lord Venkateshwaraa Engineering College, Kancheepuram – 9th January 2009.

PUBLICATIONS DETAILS
R Lavanya, C Murukesh, NR Shanker, "Microclimatic HVAC system for nano painted rooms using PSO based occupancy regression controller ", Energy ,Vol. 278, Pg. 27828, 2023
R Lavanya, C Murukesh, NR Shanker, "Development of Machine Learning Based Microclimatic HVAC System Controller for Nano Painted Rooms Using Human Skin Temperature", Journal of Electrical Engineering & Technology, Vol. 18, Issue. 3, Pg. 2343-2354, 2023
R. Lavanya, C. Murukesh, N.R. Shanker , "IoT based Customizable Energy Management System using Cloud Computing", Neuro Quantology, Vol. 20, no. 7, pg. 3537-3544, 2022
Dr.M.Amanullah, R. Lavanya, "Accident prevention by eye-gaze tracking using imaging Constraints", International Journal of Scientific & Technology Research, Vol. 9, Issue. 2, pg. 731-1735, 2020
R.Lavanya, Dr. C.Murukesh, Dr.N.R.Shanker, "A Review paper on smart controller using efficient method for reducing energy consumption in HVAC ", Journal of Applied Science and Computations, Vol. 6, Issue. 5, pg. 159-1166, 2019
Dr. M. Amanullah, R. Lavanya, "Providing copyrights and Secured Transmission in a network through Watermarking", Journal of Emerging Technologies and Innovative Research, vol. 5, Issue. 6, Pg. 668-675,

2018
R.Lavanya, Dr.M.Amanullah, "Bluetooth enabled Robot using Smart phone during Disaster", Journal of Emerging Technologies and Innovative Research, Vol. 5, Issue. 4, Pg. 1297-1307, 2018

ACHIEVEMENT DETAILS
Received Sci-Edu Award for Excellence in Education on 25.02.2024. The award is presented by esteemed dignitaries including Shri A.K. Farvaze Ahmed, Prof. Dr. D. Viswanathan, Prof. Dr. N. Panchanatam, and Prof. Dr. S. Thirumagan.
Received Mentor Certificate for course "Database Management System" for Jan-Apr 2019 Semester.
Received certificate of merit for the achievement of 100% in Anna University Results in the Subject Professional Ethics in Engineering.
Received Rank Certificate securing University Rank in M.E., Anna University.