



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DAT SCIENCE

NAME & INITIALS	Dr.M.Prabu	
DESIGNATION	Assistant Professor	
EDUCATIONAL QUALIFICATION	B.E., M.E., Ph.D.,	
EXPERIENCE	11.5 Years	
DATE OF JOINING	15.07.2022	
EMAIL ID	ramprabu0388@gmail.com	
AREA OF SPECIALISATION	VLSI Design, Satellite Image Processing, Deep Learning.	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
Ph.D	ICE	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Anna University	2022
M.E	VLSI Design	Sree Sastha Institute of Engineering and Technology	Anna University	2012
B.E	ECE	LCR College of Engineering and Technology	Anna University	2010

PROFESSIONAL MEMBERSHIPS

IAENG-165212 (INTERNATIONAL ASSOCIATION OF ENGINEERS).

ISTE - LM 136436 (INDIAN SOCIETY FOR TECHNICAL EDUCATION).

NPTEL COURSES ATTENDED

Successfully completed a 12 weeks NPTEL online certification Course on “Digital Image Processing” (Elite Certification) from July 2018 to October 2018. (NPTEL-AICTE FDP)

Successfully completed a 12 weeks NPTEL online certification Course on “Digital Electronic Circuits” from January 2019 to April 2019.

Successfully completed a 12 weeks NPTEL online certification Course on “Fiber-Optic Communication Systems and Techniques” from July 2019 to October 2019. (NPTEL-AICTE FDP)
Successfully completed an 8 weeks NPTEL online certification Course on “Ethics in Engineering Practice” (Elite + Silver Certification) from September 2020 to November 2020. (NPTEL-AICTE FDP)
Successfully completed a 4 weeks NPTEL online certification Course on “Python for Data Science” (Elite Certification) from July 2022 to August 2022. (NPTEL-AICTE FDP)
Successfully completed a 12 weeks NPTEL online certification Course on “The Joy of Computing using Python” (Elite + Silver Certification) from January 2023 to April 2023. (NPTEL-AICTE FDP)
Successfully completed a 12 weeks NPTEL online certification Course on “Problem Solving Through Programming in C” (Elite) from July 2023 to October 2023. (NPTEL-AICTE FDP)
Successfully completed a 12 weeks NPTEL online certification Course on “Accreditation and Outcome Based Learning” (Elite + Silver Certification) from July 2023 to October 2023. (NPTEL-AICTE FDP)

FDP ATTENDED

Participated in a 12 days Faculty Development Program in “CHIP TAPEOUT DESIGN” organized by RMK Engineering College from 17.06.2013 to 29.06.2013.
Participated in a 7 days Faculty Development Program in “Electronic Circuits-1” organized by College of Engineering, Guindy, Chennai from 23.06.2014 to 29.06.2014.
Participated in a 3 days Faculty Development Program in “Robotics and Automation” Organized by Misrimal Navajee Munoth Jain Engineering College, Chennai from 16.11.2016 to 18.11.2016.
Participated in a 2 days Faculty Development Program in “Introduction to Mobile App Development” organized by ICT Academy at Tagore Engineering college, Chennai from 28.11.2016 to 29.11.2016.
Participated in a 6 days Faculty Development Program in “Instructional design and delivery system” organized by National Institute of Technical Teachers Training and Research at Misrimal Navajee Munoth Jain Engineering College, Chennai from 19.12.2016 to 24.12.2016.
Participated in a 5 days Faculty Development Program in “Reference Management & Knowledge

Organizing for Journal Writing” organized by Aalim Muhammad Salegeh College of Engineering from 10.12.2018 to 14.12.2018.
Participated in a two weeks Faculty Development Program in “Recent innovations in Electrical, Electronics, Instrumentation, Automation & Teaching Pedagogy” organized by Sri Sai Ram Engineering College, Chennai from 18.05.2020 to 30.05.2020.
Participated in a 5 days Online Faculty Development Program on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 17.05.2021 to 21.05.2021.
Participated in a 6 days Online Faculty Development Program on “Amazon Web Services” organized by Sathyabama Institute of Science and Technology from 22.08.2022 to 27.08.2022.
Participated in a 5 days Online Faculty Development Program on “Current Trends in Information Technology” organized by MEASI Institute of Information Technology from 26.09.2022 to 30.09.2022.
Participated in a 5 days Online Faculty Development Program on “Education 5.0” organized by Dr.M.G.R Educational and Research Institute from 15.05.2023 to 19.05.2023.
WORKSHOPS ATTENDED
Participated in a 2 day’s workshop in “Image Processing and Pattern Recognition (WIPREC’09)” organized by Centre of Academic Excellence and the Department of Computer Science and Engineering, Anna University, Trichy from 07.08.2009 to 08.08.2009.
Participated in a one-day workshop in “Analog VLSI Design” organized by Department of Electronics and Communication Engineering, SRM University, Chennai in association with Cadence Design Systems and ni2 Designs on 20.02.2012.
Participated in a two day’s workshop in “DSP Design using System Generator with Spartan-6 and Virtex-6 Families” organized by RMK Engineering College from 09.03.2012 to 10.03.2012.
Participated in a two day’s workshop in “Interdisciplinary Workshop on Design and Development of Small Satellites” organized by KLN College of Engineering, Madurai from 26.12.2014 to 27.12.2014.
Participated in a one-day workshop in “Analog Discovery Kit” organized by Department of Electronics and Communication Engineering, College of Engineering, Guindy Chennai in association with PANTECH Prolabs India Private Limited on 03.05.2019.

Participated in a “one day workshop on eSim, a First Course in the IoT series for Teachers” held at Anna University, Chennai, and Organized by Teaching Learning Centre ICT at IIT Bombay on 21.09.2019.

Participated in a two days national level workshop on “FPGA Design Flow using Xilinx Vivado” Organized by University with Potential for Excellence in Biomedical Engineering and Instrumentation (UPE-BMI), Anna University, Chennai from 11.10.2019 to 12.10.2019.

Participated in a Four day’s workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands-on Workshop” organized by the Teaching Learning Centre (ICT) at IIT Bombay through IIT Bombay Bodhi Tree platform from 13.05.2020 to 16.05.2020.

SEMINARS/WEBINARS ATTENDED

Attended a Webinar on “The Art of Writing Research Paper” conducted by Chennai Institute of Technology, Chennai on 29.04.2020.

Attended a Webinar on “Effective Online Teaching and Student Engagement” conducted by IEEE Madras Section on 09.05.2020.

Attended a Webinar on “Patent Act, Drafting, Filing system and challenges in India” conducted by RMD Engineering College, Kavaraipettai on 10.60.2020.

Attended a Webinar on “Low-Power Digital VLSI Design” conducted by KCG College of Technology, Chennai on 29.06.2020.

Attended a Webinar on “Open Resource Tools for Digital Teaching” conducted by LRG Government Arts College for Women, Tirupur on 03/07/2020 to 04/07/2020.

Attended a Webinar on “Internet of Things (IoT) and its applications” conducted by Rajalakshmi Engineering College, Thandalam on 19.07.2020.

FUNDED PROJECTS

Testing different types of water samples for cultivation and domestic purposes using TDS sensor - Project approved by **Tamil Nadu State Council for Science and Technology**, DOTE, campus, Chennai-25 (2021-2022) (**Completed**)

PUBLICATION DETAILS

Prabu, M., Shanker, N.R., Celine Kavida, A. et al, “Geometric distortion and mixed pixel elimination via TDYWT image enhancement for precise spatial measurement to avoid land survey error modelling”, *Soft Computing*, 2020, vol.24, no.19, pp.14687–14705. <https://doi.org/10.1007/s00500-020-04814-x>. **(SCI, IF:3.643)**

Prabu, M., Shanker, N.R., Celine Kavida, A. et al, “Mixed pixel removal in north Tamil Nadu region for accurate area measurement”, *Computational Intelligence*, 2021, vol.37, no.2, pp.975–994. <https://doi.org/10.1111/coin.12447>. **(SCI, IF:2.330)**

Prabu, M., Sathya Abhinav B., Hayagriva Narayanan B., Suraj Shailendra Sugandhi and Rajeshkumar D, “Design of water quality and soil macronutrients measuring device using TDS and NPK sensor”, *ARPN Journal of Engineering and Applied Sciences*, 2023, vol.18, no.6, pp. 1923-1931. <https://doi.org/10.59018/0823237>. **(Scopus)**

CONFERENCE DETAILS

Prabu, M., Shanker, N.R., “Gyroscope Based Transport System and Freight Implemented on FPGA”, Indian Conference on Advancement in Technology for Sustainable Development (IC-ATSD 2012) at DMI College Of Engineering.

Prabu, M., Dhatchayney, D., Shanker, N.R., “Performance Evaluation of two pattern generator using LFSR with lookup table optimization”, International Conference in Magna on Emerging Engineering Trends (ICMEET 2013) at Magna College of Engineering.

Rajkumar, K., Praveen, S., Bhuvanesh, R., **Prabu, M.,** “Energy aware video encoding using VBS in battery operated surveillance camera”, National Conference on Communication Convergence and Electrical Drives (NCCCED 2013) at ARM College of Engineering and Technology.

Prabu, M., Celine Kavida, A., Shanker, N.R., “Extraction of Vegetation and Water Bodies from Satellite Images using Enhancement Techniques and Indices”, International Intellectual Convergence on Advances In Sciences And Engineering (IIASE-2017) at Aalim Muhammad Salegh College of Engineering.

Tushar Chatur. R., **Prabu, M.,** “Android Based Smart Home Automation using Arduino”, International Conference on Innovations in Information and Communication Technology, (ICIICT 2018) at Meenakshi Sundarrajan Engineering College, Kodambakkam, Chennai, India.

ACHIEVEMENT DETAILS

Coordinated the national conference on recent trends in electronics (TRENZINE 2K13) at Magna College of Engineering.

Coordinated the national level “ROBOTICS” workshop cum championship conducted by Magniva technologies at Magna College of Engineering.

Received appreciation Certificate from the management for producing “S Grade” in the subject “Transmission Lines and Wave guides” for the academic year June 2014-May 2015.

Received appreciation Certificate and cash prize from the management for producing 100% result in the subject “Computer Programming” for the academic year June 2015-May 2016.