

Faculty Profile



Dr.J.Anish Kumar,B.E,M.E,Ph.D
Associate Professor / EEE

HIGHLIGHTS:

- Number of Journal Publications: 43
- H-Index: 7
- i10 index: 6
- Patents Published: 10
- Patents Granted: 2
- Recognized Anna University Supervisor. Yes

PROFESSIONAL LINKS:

- Scopus ID: 57443995500
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57443995500>
- Google Scholar ID:
<https://scholar.google.com/citations?pli=1&authuser=1&user=9rg1gWoAAAAJ>
- AICTE Faculty ID: 1-472607878
- Anna University Supervisor ID: 4290023
- LinkedIn: <https://www.linkedin.com/in/anish-kumar-62b157150/?isSelfProfile=true>

Ph.Ds GUIDING:

- Full Time Scholars: 1
- Part Time Scholar : 5

PROFESSIONAL BACKGROUND:

- Teaching Experience : 21.5 Years
- Research Experience: Nil

FDP Conducted

- One day workshop on ARM Processor By Mr.R.Purushothaman (Founder & CEO), 2nd Aug 2013 at Saveetha Engineering College
- One Day workshop on C Programming, held on 8th Oct 2013, Mr.K.Anand , Assistant Prof(SG), Saveetha Engineering College at Saveetha Engineering College.
- "Two Day Workshop on MSP430 Microcontroller and its Applications" Jivan B. Katariya (Director SPJ Embedded Technologies Pvt. Ltd), 20th to 21st Feb 2014, at Saveetha Engineering College.

- “Two Day workshop on ARM 7 Processor Based System Design” , Jivan B. Katariya (Director SPJ Embedded Technologies Pvt. Ltd),September 10th and 11th 2014, at Saveetha Engineering College.
- One day workshop on Product Design using Electronics & Embedded System By Mr.R.Purushothaman (Founder & CEO),27/03/2015 at Saveetha Engineering College.
- FDP on Building Embedded Systems with ARM Cortex –M (MCU), By Mr.J.Anishkumar, AP(SG), Mr.C.Obed Otto, Associate Prof, Mr.P.Sathyanarayanan, AP 29th and 30th October 2015 at Saveetha Engineering College
- “One day seminar on product development using embedded system”,By Mr.,R. Purushothaman,CEO and founder, Mr.R.Ganapathy , Product analyst 6-1-17, at Saveetha Engineering College.
- “Make Objects Gadgets and Robots” By Mr.R.Purushothaman (Founder & CEO), 10th February 2017 at Saveetha Engineering College
- “Design and Development of Raspberry Pi Based System”By Mr.R.Purushothaman (Founder EPRLABS Pvt Limited), 26/9/2017 at Saveetha Engineering College.
- “Embedded system Design Using MSP430 Microcontroller” By Mr.Ganesh (Embedded trainer, Chase Technologies) 27/09/2017 at Saveetha Engineering College.
- “Current scenario in Renewable Energy System and its Integration of Renewable Energy Systems ”By Mr.V.S.Srirajabalaguru (Assistant Executive Engineer, NCES, TNEB, Chennai) on 2nd February 2018 at Saveetha Engineering College
- “Product Development using PIC Microcontroller” By Mr. A. Vignesh (Technical Trainer, Chase Research & Development Solutions, Chennai), 28th & 29th August, 2018, at Saveetha Engineering College.
- “Present scenario in Renewable Energy and smart grid implementation in Renewable Energy”By Mr.V.S.Srirajabalaguru (Assistant Executive Engineer, NCES, TNEB, Chennai) on 26th February 2019 at Saveetha Engineering College
- “Project Building Using ARM Processor – LPC2148”, By Mr.A.Parameshwaran,(Embedded Trainer, Emb Ware Technologies and components),on 06/09/2019 at Saveetha Engineering College
- IoT for Industry 4.0 by Dr.G.Thiagu, NewBee Technologies, CEO on 13th October 2020 at Saveetha Engineering College, Chennai.(Online)
- Autonomous Robot by Mr.T.Raghul, Associate R& D Engineer,LMES, on 17th October 2020 at Saveetha Engineering College, Chennai.(Online)
- Embedded C Programming by Mr. G. Madhavan, Senior Software Engineer, Robert Bosch Engineering and Business solutions on 18th September 2021, at Saveetha Engineering College.(online)
- Embedded System, by R. Deepak, Senior Manager (Hardware Product Owner),Volvo Group, Bangalore & G Ganesha Pandiyan, Lead Design Engineer (EDS Engg & Research),TATA Elxsi Ltd, Bangalore, on 9th September 2021, at Saveetha Engineering College.(online)

- Role of Raspberry Pi in Automotive Embedded System, Mr.Abin Satheesan, Technical Engineer, Enthu Technology Solutions India Pvt. Ltd., on 11-11-22, at Saveetha Engineering College.
- FPGA Based System Design Using Verilog and VHDL, Dr.Sivakannan Subramani, Associate Prof, Department of Advance Computing, St Joseph University, Bangalore, 29-11-22, at Saveetha Engineering College.
- Role of ARM Processor in Design of Smart Systems, Dr. K. Subramanian, Technical Lead, Enthu Technology Solutions India Pvt. Ltd., 20-10-22, at Saveetha Engineering College.
- SMT Assembly Line Process (Building Quality Electronic) by Mr.Sriram P, Technical Engineer, Enthu Technology Solutions India Pvt. Ltd., on 20-04-23, at Saveetha Engineering College.
- Workshop on [Design of PCB Boards using Eagle Software for Embedded Applications](#),30-8-23, by Dr.J. Anish Kumar at Saveetha Engineering College.
- Workshop on SMT ASSEMBLY LINE PROCESS,21-9-23, by Dr.J.Anish Kumar at Saveetha Engineering College.
- Workshop on IoT based Home Automation system using ESP32 controller and Mobile App on 2-3-24 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Workshop on Building IoT Solutions with ESP32 and Wokwi Simulator, on 25-10-24 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Workshop on Designing IoT Systems Using ESP32 on the Wokwi Platform on 25-10-24 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Five-Day Hands-on Training – BooT Camp on Drone Technology 04-11-2024 to 08-11-2024 at Saveetha Engineering College.
- ATAL-sponsored Faculty Development Program (FDP) on Integrating Machine Learning and Deep Learning in Real-time IoT Systems (in association with NVIDIA), conducted from 2-12-24 to 7-12-24 at Saveetha Engineering College.
- Hand's on Introducing IoT to your Day to Day Life by Mr.Hariharan, CEO,Space Zee Technologies Private Limited, Chennai 16-5-25 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Hand's On Training - PCB Design, Fabrication & SMT Assembly 16-5-2025 at Saveetha Engineering College.
- One day IoT workshop on smart applications using Blynk, Telegram,Web,MIT app and Things speak on 11-10-2025 at Saveetha Engineering College.
- Three-Day Bootcamp: Build Your Own PCB on 3-11-25 to 5-11-25 by Dr.J.Anish kumar at Saveetha Engineering College.
- Three-Day Bootcamp: Build Your Own PCB on 6-11-25 to 8-11-25 by Dr.J.Anish kumar at Saveetha Engineering College.

- Five-Day Hands-on Training – BooT Camp on Drone Technology 16-02-2026 to 20-02-2026 at Saveetha Engineering College.
- Three days BooT Camp on Build your own PCB at Saveetha Engineering College, on 10-9-26 to 12-9-26

AREA OF SPECIALIZATION: Embedded, IoT, PCB

PATENTS PUBLISHED/GRANTED:

S.No	Application No	Title	Filing Date	Publication Date	Remarks
1.	202041043513 A	Traffic Light Control System Using Solar Power	06-10-20	16-10-20	Published
2.	202041043513 A	IoT based Sailing Vessel Stem Bulb Mounted Sail Course Recorder	27-1-23	10-2-23	Published
3.	378147-001	Sun Tracking Solar Panel	28-1-23	12-4-23	Design Granted
4.	202341061257	An IoT based predictive material damage prevention for enhanced equipment reliability	12/09/23	02-02-24	Published
5.	202341061250	Ai &IoT-based water purification system monitoring for real time contaminant detection	12/09/23	02-02-24	Published
6.	202341061256	An IoT based real-time water quality monitoring & algal bloom prediction in aquaculture	12/09/23	02-02-24	Published
7.	202341061248	Ai-driven smart water purification system using multiple sensors for intrusion detection in water	12/09/23	02-02-24	Published
8.	202341061249	Ai and IoT based optimized solar-driven water purification for tribal people	12/09/23	02-02-24	Published
9.	202341058482	Creating an automated pest detection and control system using machine learning and robotics	31/08/23	02-02-24	Published
10.	202341058461	Designing a smart livestock monitoring system using	31/08/23	02-02-24	Published

		wireless sensor networks and data analytics			
11.	202441039880	Prediction of Stator Slot Size variation in Industrial Drives using Wavelet Transform and Machine Learning	22/5/24	31-05-24	Published
12.	202441063052	Prediction of Stator Faults in Industrial Drives using Morlet Wavelet Transform	21-08-24	30-08-24	Published
13.	202441068687	Thermal Image Based Prediction of Rotor Faults in Industrial Drives using Gabor Wavelet Transform and LOA-LSTM	11-09-24	04-10-24	Published
14.	202441079239	Cardless ATM with Dual Layer Biometric Security	18-10-24	25-10-24	Published
15.	202441097003	Intelligent Weather Prediction System Using IoT and Machine Learning	09/12/2024	13-12-24	Published
16.	434855-001	Driver Module for Electric Bicycle	10-11-25	15-5-25	Design grant
17.	202541007228	Iot Based Surveillance Robot For Real Time Women Safety Monitoring	29-01-25	14-02-25	Published
18	202541013369	AI-Driven Smart Health Hub for Rural Communities	17-2-25	28-2-25	Published
19	202541013379	IoT Based Robot for Real Time Violence Detection in Public places	17-2-25	7-3-25	Published
20	202541038960	AN INTELLIGENT HAND GESTURE-BASED ON/OFF CONTROLLER FOR SMART HOME AUTOMATION	23/04/2025	16/05/25	published
21	202541038985	AI-ENHANCED WIRELESS UNDERGROUND SENSOR NETWORKS (WUSNS) FOR SMART AGRICULTURE AND	23/04/2025	16/05/25	published

		ENVIRONMENTAL MONITORING			
22	202541048056	SMART BRIDGE MONITORING SYSTEM UTILIZING AI AND IoT FOR REAL-TIME STRUCTURAL ASSESSMENT	19-5-25	13-6-25	published
23	202541048070	DESIGN AND DEVELOPMENT OF A SMART CROP WASHING MACHINE USING IOT AND ML	19-5-25	13-6-25	published
24	202541048068	IOT BASED REAL TIME RAIL DEFECTS MONITORING AND PREDICTING USING AI BASED ACOUSTIC SIGNAL	19-5-25	13-6-25	published

PUBLICATIONS:

J. Anish Kumar, N. M. Jothi Swaroopan & N. R. Shanker (2022) Induction motor's rotor slot variation measurement using logistic regression, *Automatika*, 63:2, 288-302, DOI: 10.1080/00051144.2022.2031541

Kumar, J.A., Swaroopan, N.M.J. & Shanker, N.R. Average Rotor Slot Size Variation Measurement in Induction Motor Using Variable Q-Factor Transforms and Regression Algorithms. *Iran J Sci Technol Trans Electr Eng* 46, 675–687 (2022). <https://doi.org/10.1007/s40998-022-00502-8>

Kumar, J.A., Swaroopan, N.M.J. & Shanker, N.R. Prediction of Rotor Slot Size Variations in Induction Motor Using Polynomial Chirplet Transform and Regression Algorithms. *Arab J Sci Eng* 48, 6099–6109 (2023). <https://doi.org/10.1007/s13369-022-07264-9>

Anish Kumar, J., Gowthambigai, M., Shanker, N. R. and Jasper, J.. "Prediction of rotor slot width in induction motor using Dyadic wavelet transform and softmax regression" *International Journal of Emerging Electric Power Systems*, 2022. <https://doi.org/10.1515/ijeeps-2022-0214>

Kumar, J.A., Gowthambigai, M., Shanker, N.R. et al. Prediction of Rotor Slot Size Variation Through Vibration Signal of Three Phase Induction Motor Using Machine Learning. *J. Vib. Eng. Technol.* (2023). <https://doi.org/10.1007/s42417-023-00859-y>

Ramachandran, E.R., Nadesan, M.K., Dhandapani, L. et al. Design of automatic stator winding connection of induction generator for wind energy conversion system. Multiscale and Multidiscip. Model. Exp. and Des. (2023). <https://doi.org/10.1007/s41939-023-00244-y>

T. Yuvaraj, K. R. Devabalaji, J. A. Kumar, S. B. Thanikanti and N. I. Nwulu, "A Comprehensive Review and Analysis of the Allocation of Electric Vehicle Charging Stations in Distribution Networks," in IEEE Access, vol. 12, pp. 5404-5461, 2024, doi: 10.1109/ACCESS.2023.3349274.

Kumar, J.A., Selvi, S., Rama, R.S. et al. Power quality improvement for industrial drives using FPGA controller-based SSD algorithm. Multiscale and Multidiscip. Model. Exp. and Des. (2024). <https://doi.org/10.1007/s41939-023-00347-6>

Selvi, S., Kumar, J.A., Joly, M. et al. Levy based smooth synchronization of microgrid integrated with multiple renewable sources. Electr Eng (2024). <https://doi.org/10.1007/s00202-024-02494-6>

Monica P Suresh, S. Joyal Isac, M. Joly, J. Anish Kumar, Automatic fault detection and stability management using intelligent hybrid controller, Electric Power Systems Research, Volume 238, 2025, 111075, ISSN 0378-7796, <https://doi.org/10.1016/j.epsr.2024.111075>.

Selvaraj, Krishnan, Jeyakumar, Anish Kumar, Rajamarthandan, Senthil Rama, Nirmalkumar, Magadevi, Subramaniam, Sengottaian and Murugesan, Sasi Kumar. "Prediction of stator slot size variation in industrial drives using GMR sensor signal and regression technique" International Journal of Emerging Electric Power Systems, 2025. <https://doi.org/10.1515/ijeeps-2024-0283>

Joly, M., J. Anish Kumar, J. Lydia, and Chintam Jagadeeswar Reddy. "Novel control strategy based energy management in renewable energy in grid connected system." Optimal Control Applications and Methods, 28 July 2025, <https://doi.org/10.1002/oca.70006>

Robinson Jeyapaul S, Kombaiya S, Jeya Kumar AK, Stanley VJ. Ensemble deep learning model for early diagnosis and classification of Alzheimer's disease using MRI scans. Journal of Alzheimer's Disease. 2025;0(0). doi:10.1177/13872877251359950

Arul, A.A., Vinifa, R., Kumar, J.A. et al. Motor shaft bend measurement based on magnetic field using GMR sensor and multiple linear regression. Sādhana 50, 207 (2025). <https://doi.org/10.1007/s12046-025-02873-0>.

Anishkumar, J., Suresh, M., Sengottaian, S. et al. Multi-aggregator Electric Vehicle Charge

Scheduling Using a Novel Harmonic Masterpiece Optimization. Iran J Sci Technol Trans Electr Eng (2025). <https://doi.org/10.1007/s40998-025-00953-9>

Ravichandran, S., Kumar, J.A., Suresh, M.P. et al. Smooth synchronization of microgrid integrated with multiple renewable sources using MFOTID controller and jellyfish search optimizer. Electr Eng 108, 21 (2026). <https://doi.org/10.1007/s00202-025-03440-w>

A.Adlin Arul, R. Vinifa, J.Anish kumar, N.R. Shanker,Secondary magnetic field based runtime prediction of shaft bend in induction motor using giant magneto-resistance sensor,Measurement,Volume 269,2026,120816,ISSN 0263-2241,<https://doi.org/10.1016/j.measurement.2026.120816>.

Suresh, M.P., Sree, V.B., Kumar, J.A. *et al.* A novel multi-source 35-level reduced-switch inverter for hybrid electric vehicle applications. *Sāadhanā* 51, 346 (2026). <https://doi.org/10.1007/s12046-026-03376-2>

Jayakrishnan, S., Kumar, J. A., & Shanker, N. R. (2026). Echocardiographic Framework for Left Atrial Appendage Morphology Assessment and Thromboembolic Risk Stratification in Atrial Fibrillation. *Diagnostics*, 16(19), 3154. <https://doi.org/10.3390/diagnostics16193154>

S. Satish Kumar, K. Bharathi, S. B. Mohan, T. Suresh Balakrishnan, J. Anish Kumar, M. Sasi Kumar,” Effect of GA based PID controller in bidirectional converter, International Journal of Power Electronics and Drives Systems,2024, pp1757-1766, <http://doi.org/10.11591/ijpeds.v15.i3>.

J. G. Gini, S. Padmakala and J. A. Kumar, "Non-Overlapping Block Processing of Cancer Genes Data for Earlier Prediction of Breast Cancer Diseases using Regression Algorithms," 2023 IEEE International Conference on ICT in Business Industry & Government (ICTBIG), Indore, India, 2023, pp. 1-11, doi: 10.1109/ICTBIG59752.2023.10456063.

Kumar, J.A., Selvam, B.A., Alwin Vinifred, C., Magadevi, N., Anbazhagan, K. (2024). Smart Electronic Speaking Glove for Physically Challenged Person. In: Rathore, V.S., Tavares, J.M.R.S., Surendiran, B., Yadav, A. (eds) Universal Threats in Expert Applications and Solutions. UNI-TEAS 2024. Lecture Notes in Networks and Systems, vol 1006. Springer, Singapore. https://doi.org/10.1007/978-981-97-3810-6_17.

Kumar, J.A., Aswini, K.R.N., Parimala, V., Mohan, S.B., Sharmila, S.L. (2024). Multimodal Analysis of Induction Motor Signals for Power Quality Abnormality Detection Using Wavelet-RBF Approach. In: Rathore, V.S., Tavares, J.M.R.S., Surendiran, B., Yadav, A. (eds) Universal Threats in Expert Applications and Solutions. UNI-TEAS 2024. Lecture Notes in Networks and Systems, vol 1006. Springer, Singapore. https://doi.org/10.1007/978-981-97-3810-6_16.

C. V. Ori and J. A. Kumar, "Deep Learning Technique to Extract Skin Cancer in Earlier Stage Through Optimization," 2025 International Conference on Frontier Technologies and Solutions (ICFTS), Chennai, India, 2025, pp. 1-7, doi: 10.1109/ICFTS62006.2025.11031489..

Jasper, J., Praveen, B.M., Shaheemar, S.B., Kumar, J.A. (2025). A Hybrid Dense-Gated U-Net with an Enhanced Crow Search (ECS)-Based Cyber-Attack Detection and Classification in a Smart Grid. In: Colak, I., Okedu, K.E., Raju, L. (eds) *Advances in Electrical Power and Embedded Drive Control*. ICPEDC 2024. Lecture Notes in Electrical Engineering, vol 1371. Springer, Singapore. https://doi.org/10.1007/978-981-96-3694-5_4.

Adlin Arul, A., Vinifa, R., Anish Kumar, J., Suresh Kumar, K. (2026). Prediction of Shaft Bent Faults in Industrial Drives Using Adaptive Wavelet Transform and Gradient Boosting Regression. In: Rathore, V.S., Piuri, V., Babo, R., Karthik, S. (eds) *Universal Threats in Expert Applications and Solutions*. UNI-TEAS 2025. Lecture Notes in Networks and Systems, vol 1452. Springer, Singapore. https://doi.org/10.1007/978-981-96-7292-9_34

S.Jayakrishnan and J. A. Kumar, "Left atrial appendage Enhancement in Transoesophageal echocardiography images through Physics-Informed Neural Networks (PINNs)," 2025 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT), Karaikal, India, 2025, pp. 1-6, doi: 10.1109/IConSCEPT66142.2025.11436345.

T. Prabhu, J. A. Kumar, R. M. Anushia and D. F. D. Shahila, "A Hybrid AI-Driven Post-Quantum Encryption Framework for Secure Medical Data Transmission in IoMT Systems," 2026 9th International Conference on Circuit, Power & Computing Technologies (ICCPCT), Kollam, India, 2026, pp. 769-773, doi: 10.1109/ICCPCT70290.2026.11654845.

G. Karthika, J. Anishkumar and R. Renugadevi, "Harnessing Digital Twin Technology and Multiparadigm Simulation for Rural Health Transformation," in *Cognitive Security and Predictive Health Monitoring for Rural Development*, 2026, pp. 181–222, ISBN: 9798337339498

J.Anish K, A.Adlin.A, Local Patch Based Texture Synthesis, , CiiT International of Digital Image Processing 4 (1), 18,2012, ISSN 0974 – 9586

Development of Solar MPPT System Using Boost Converter with Microcontroller, J.Anish Kumar, International journal of advance research in electrical and electronics and Instrumentation Engineering, Vol 1, Issue 4, Page 334, 2012.

Camera based Assistive Text Reading System using Gradient and Stroke Orientation for Blind Person, J.Anish Kumar, International Journal of Latest Trends in Engineering and Technology 4 (1), 325,2014

Madhavan.G, Anish Kumar.J, Manimegalai L, An UWB Radar for Trapped Human Detection and Vital Sign Extraction, International Journal of Applied Engineering Research 10 (29), 22448,2015, ISSN 0973-4562

Kumar, J.A, Shanker, N. R, Arul.A.A, Filter Bank Based Finger Print Matching, International Journal of Applied Engineering Research 10 (17), 13626,2015,ISSN- 0973-4562

Modified Rectifier Topology for High Power PMSG Variable Speed Wind Turbine, J.Anish Kumar ,International Journal of Advanced Research in Electrical Electronics and Instrumentation Engineering, 4(3)2015

Smart grid challenges and signal processing based solutions – A literature survey, J.Anish Kumar, International Journal of Engineering Trends and Technology, Vol 37-No 4- Page – 189

J.Godly Gini, J.Anish Kumar, A.Adlin Arul, A Model Based Validation Scheme for organ segmentation in CT scan,International Journal of Research in Electrical Engineering ,Vol 4, Issue -2, Page no:4-9, Year 2017,ISSN: 2349-2503

R.Divya, J.Anish Kumar, Indoor & Outdoor Navigation system for Visually Impaired People using Visible Light Communication and Image Processing, , International Journal of Innovation in Engineering Research & Management,Vol 05 ,Issue 02,April 2018,ISSN: 2348-4918.

Classification of power quality disturbances using wavelet and neural network, J.Anish kumar, International journal of advanced research in innovative discoveries in Engineering and applications, Vol 5, Issue 5,page 28,Aug 2020.

Varadharajan G, J.Anish kumar, Smart Therapeutic treatment for varicose disease, , International journal for research in applied science & engineering technology, Vol 9, Issue 1,page 161,Jan 2021, <https://doi.org/10.22214/ijraset.2021.32788>.

Detection and Classification of Power Quality Abnormality Using S-Transform and KNN Classifier, J.Anish kumar, Annals of the Romanian society for cell biology, Vol 5, Issue 2,page 2586,May 2021

IoT Based Human Detection Robot for Rescue Operations, J.Anish Kumar, Design Engineering , Vol 2021, Issue 8,page 4243,Oct 2021

Retrofitting of Internal Combustion Engine Bike into Electric Bike, J.Anish kumar, Design Engineering , Vol 2021, Issue 8,page 4243,Oct 2021

COURSES CERTIFIED:

Leadership, Aug to Sep 2018,4 weeks course, NPTEL

Introduction to Internet of Things, July to Oct 2019, 12 weeks course, NPTEL

Online course Recognized by Skill Council for Green Jobs conducted from 1st May 2019 to 31 Dec 2019 Student solar Ambassador Workshop 2019,IIT Bombayx

Machine Learning completed on 27.04.2020, Capability Development, Tata Steel

Learn Linux in 5 Days and Level Up your Career, April 2020, Udemy Online courses

Introduction to Raspberry Pi 4, May 2020, Udemy Online courses

“IPR and IP Management for Innovation and Start-ups”, April 15th 2020, Webinar, R.M.K Engineering College.

“IoT Applications and its Trends”, April 16th 2020,webinar,SNS college of Engineering

Python for Beginners: Learn Python Programming (Python 3), May 2020, Udemy Online courses

Master Microcontroller- Timer, PWM, CAN, RTC, Low Power (MCU2) on May 2021, Udemy Online courses

Complete C programming course - C language for students, Oct 2021, Udemy Online courses

- Python for machine learning ,7-1-2022, Cloud X Lab online course
- Indo Universal Collaboration for Engineer Education (IUCEE) International Engineering Educator Certification Program (IIEECP), July 2023.
- Introduction to Machine Learning, July to Sep 2024, 8 weeks course, NPTEL
- Data Science for Engineers, July to Sep 2024, 8 weeks course, NPTEL
- Introduction to Industry 4.0 and Industrial, July to Oct 2024, 12 weeks course, NPTEL
- Python for Data Science, Jan to March 2025, 4 weeks course, NPTEL
- Introduction to Machine Learning, Jan to April 2025, 12 weeks course, NPTEL
- Reinforcement Learning, Jan to April 2025, 12 weeks course, NPTEL
- Altium 365 Design Management and Set Up – 2024 – Completed on 4-6-2025
- Altium Designer Essentials - On Demand (English) - Completed on 4-6-2025
- Altium 365 Training Bundle – 2024- Completed on 5-6-2025
- Learning Analytics Tools, July to Oct 2025, 12 weeks course, NPTEL
- Introduction to Large Language Models, July to Oct 2025, 12 weeks course, NPTEL
- Edge computing, Jan to March 2026,8 weeks course, NPTEL
- Wireless Ad Hoc and Sensor Networks , Jan to March 2026,8 weeks course, NPTEL
- Basic Embedded Systems Design, October 2026,Altium
- Basic Printed Circuit Board Design,October 2026,Altium

SPECIAL SESSIONS DELIVERED:

- One Day workshop on PIC18F4520 Microcontroller by Mr. J.Anish Kumar on 10/9/2013, at Saveetha Engineering College
- One Day workshop on PIC18F4520 Microcontroller by Mr. J.Anish Kumar on 17/9/2013, at Saveetha Engineering College
- FDP on Project Building Using ARM Cortex Processor" by Mr.J.Anish Kumar from 28/7/2014 to 30/7/2014 at Saveetha Engineering College
- Three Day Workshop on Project Building Using ARM Cortex Processor" by Mr.J.Anish Kumar, from 14/9/2015 to 16/9/2015 at Saveetha Engineering College
- “One day workshop on MSP430 Microcontroller for Power Electronics Applications” by Mr.J.Anish Kumar, on 19/2/2016 at VIT University, Chennai.
- One day Workshop on Labview and its Application, by Mr.J.Anish Kumar on 18/02/2017 at Saveetha Engineering College.
- Hands on Training in FDTP on Embedded Systems -E6602, 5/12/2017 & 7/12/2017 organized by Department of Electronics and Instrumentation Engineering at Saveetha Engineering College
- One Day Workshop on Project Building Using ARM CORTEX Processor" by Mr.J.Anish Kumar, on 21/9/2018 at Saveetha Engineering College.
- SSA101x: Hands-on training on Solar Study Lamp Assembly (IIT BombayX) on 2/10/2019 By Mr.J.Anish Kumar at Saveetha Engineering College.
- IEI-KLC Technical Webinar on Role of Embedded Controller in Design of Smart IoT system on 6-7-23 by Dr.J. Anish Kumar. (Online)
- Workshop on [Design of PCB Boards using Eagle Software for Embedded Applications](#) ,30-8-23, by Dr. J. Anish Kumar at Saveetha Engineering College.
- Workshop on SMT ASSEMBLY LINE PROCESS,21-9-23, by Dr.J. Anish Kumar at Saveetha Engineering College
- Workshop on PCB Design, Manufacturing and SMT Assembly on 28-10-23 and 30-10-23 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Workshop on IoT based Home Automation system using ESP32 controller and Mobile App on 2-3-24 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Seminar on PCB Design for IoT Applications Using Eagle software on 1-3-25 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Seminar on SMT Assembly Techniques for Embedded PCB Board on 1-3-25 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Seminar on Development of PCB Prototype Board for Embedded Applications on 1-3-25 by Dr.J. Anish Kumar at Saveetha Engineering College.
- Hand's on Training in PCB Design, Fabrication and SMT Assembly on 16-5-25 by Dr.J. Anish Kumar at Saveetha Engineering College.

- Three-Day Bootcamp: Build Your Own PCB on 3-11-25 to 5-11-25 by Dr.J.Anish kumar at Saveetha Engineering College.
- Three-Day Bootcamp: Build Your Own PCB on 6-11-25 to 8-11-25 by Dr.J.Anish kumar at Saveetha Engineering College.
- Five Days FDP on Industrial Electronics in the Current Era at Saveetha Engineering College on 08-12-25 to 12-12-2025.
- Three days FDP on innovations in Embedded IoT and AI- Driven Intelligent Systems for Futuristic Development at Sree Sastha Institute of Engineering and Technology on 17-12-2025 to 19.12.2025.
- Three days BooT Camp on Build your own PCB at Saveetha Engineering College, on 10-9-26 to 12-9-26

PROFESSIONAL MEMBERSHIPS:

Indian Society for Technical Education (ISTE) - LM 54900

International Association of Engineers (IAENG) - M 164797

The Institution of Engineers (India)-(IEI) – M 1749891

The Institution of Green Engineers(IGEN) – M 14498