


**KSSEM**
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT**Kammavari Sangham (R) 1952, K. S. Group of Institutions**
K. S. SCHOOL OF ENGINEERING & MANAGEMENT

No.15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109

Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, **Accredited by NAAC**

Faculty Name	Dr. Dileep J	
Designation	Assistant Professor	
Educational Qualification	Ph.D, M.Tech	
Experience in Years	Teaching: 10 Years and 1 Month	
Areas of Interest	Embedded Systems, Image Processing, Machine Learning	
Subjects Taught	Electromagnetic Waves, Microcontroller, Microprocessor, Management & Entrepreneurship Development, Digital Switching Systems, Digital System Design using Verilog, CMOS VLSI Design, ARM Microcontroller and Embedded System, Introduction to Data Structure and Algorithms, Digital Image Processing, Embedded Systems, Signals and Systems	
E-mail ID	dileep@kssem.edu.in	

EDUCATIONAL DETAILS:-

Examination / Degree	College/University	Year of Passing
Ph.D	Sir. MVIT, Bengaluru / VTU	2025
M.Tech	PESIT / VTU	2015
B.E	SJBIT / VTU	2013

PUBLICATIONS:-**Journal Publications:**

- **Dileep J**, Dr. Supriya V G, Dr. Manjunath R, “Detection of Principal Component Features for Person Identification in Video”, International Journal of Electrical Systems”, Vol-20, Issue-03, ISSN:6245-6252, <https://journal.esrgroups.org/jes/article/view/6715/4661>, Oct – 2024.
- **Dileep J**, Dr. Supriya V G, Dr. Manjunath R, “Framework for Multiple Person Identification using YOLOv8 Detector: A Transfer Learning Approach”, International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088-8708 : Paper is Published on April 2024. DOI: <http://doi.org/10.11591/ijece.v14i3.pp2790-2802>
- Dr. K Senthil Babu, Dr. Kishore M, **Mr. Dileep J**, “Calibration and Characterization of MQ Sensors for E-Nose Application”, FOUNDRY JOURNAL, [ISSN:1001-4977] VOLUME 27 ISSUE 4, Page 155-160, May 2024.
- Dr. K Senthil Babu, Dr. Kishore M, **Mr. Dileep J**, “Smart Hydroponics”, FOUNDRY JOURNAL, FOUNDRY JOURNAL[ISSN:1001-4977] VOLUME 27 ISSUE 4, Page 107-110, April 2024.

- Dr. K Senthil Babu, Dr. Kishore M, **Mr. Dileep J**, “EMBEDDED BASED VEHICLE THEFT DETECTION”, INTERNATIONAL JOURNAL OF CURRENT ENGINEERING AND SCIENTIFIC RESEARCH, ISSN (PRINT): 2393-8374, VOLUME-10, ISSUE-8, 2023 pp. 6-11.
- Dr. K Senthil Babu, Dr. Kishore M, **Mr. Dileep J**, “Design and Implementation of Protective Headgear to Reduce Human Casualties”, ISSN: 2583-7346: September 2023, Volume-1, Issue-6, pp.1-11.
- **Mr. Dileep J**, Likhitha, V Bharath Kumar, “Sun Tracking Solar Panel”, International Journal of Advanced Research in Computer and Communication Engineering, ISO 3297:2007 Certified, Impact Factor 7.918, Vol. 11, Issue 11, November 2022: DOI: 10.17148/IJARCCE.2022.111110
- **Mr. Dileep J** et al, “Electronic Smart Jacket For the navigation of deaf-blind people”, INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER AND COMMUNICATION ENGINEERING, Impact Factor: 7.39, Volume 11, Issue 6, DOI: 10.17148/IJARCCE. 2022.11666, June 2022.
- **Mr. Dileep J** et al, “Smart Waste Segregation using Arduino Uno”, International Advanced Research Journal in Science, Engineering and Technology, Impact Factor-6.612, Volume 8, Issue 8, ISSN No. 2393-8021, Aug 2021.
- **Mr. Dileep J** et al, “Implementation of VHDL/FPGA to Realize Fingerprint Verification with Optimal Computation”, International Journal of All Research Education & Scientific Methods, (IJARESM), ISSN No: 2455-6211”, Impact Factor : 7.429, Volume 9, Issue 7, **July 2021.**
- **Dileep J**, Dr. Supriya V G, Dr. Manjunath R, “Comparative study of person identification techniques using machine learning algorithm”, Journal of Huazhong University of Science and Technology, **Scopus Indexed** UGC Approved Journal, ISSN-1671-4512, Vol 50, Issue 5, Impact factor-6.2, May 2021
- **Mr. Dileep J** et al, “Implementation of VHDL/FPGA to Realize Fingerprint Verification with Optimal Computation”, International Research Journal of Engineering and Technology, Impact Factor-7.529, Volume 8, Issue 1, **Jan 2021.**
- **Mr. Dileep J** et al, “Automatic Water Planting system using ARDUINO”, International Research Journal of Engineering and Technology, Impact Factor-7.529, Volume 7, Issue 7, July 2020.
- **Mr. Dileep J** et al, “Motion Activated Recording Camera for Strong Room”, International Research Journal of Engineering and Technology, Impact Factor-7.529, Volume 7, Issue 5, May 2020.

Conference Publications:

- **Dileep J**, Dr. Supriya V G, Dr. Manjunath R, “Detection and Tracking of Multiple Faces in Video using Modified KLT Algorithm”, IEEE International Conference on the Confluence of Advancements in Robotics, Vision and Interdisciplinary Technology Management, RVITM, <https://ieeexplore.ieee.org/document/10435190>
- **Mr. Dileep J**, Sahana R, Rachana, Apoorva, “A Comparative Study Of Ingenious Helmet With Bike System”, 34th CSI Karnataka Convention: ISBN: 978-81-929425-1-3, 22nd and 23rd December 2020.
- **Mr. Dileep J**, Dr. Supriya V G, Dr. Manjunath R, “A Review on Person Identification using Deep Neural Network”, IEEE ICEECCOT-2018, 14th-15th December 2018, ISBN: 978-1-5386-5130-8/18, GSSSIETW, Mysuru/ International Conference, December 2018.

- **Mr. Dileep J** et al, “Smart Portable Streamer”, National Conference on TICC, ISBN: 978-81-929425-3-7, Page: 78 – 81, KSIT, Bengaluru / National Conference, May 2017.
- **Mr. Dileep J**, Dr. Arun Vikas Singh, “Analysis of Principal Component Features in Face Recognition System using Neural Networks”, ICISTSI’15, Proceedings of International Conference on “Information Science & Technology for Sustainability & Innovation”, DOI: 10.3850/978-981-09-4426-1_027, May 2015.

PATENTS:

1. Published patent titled “Effective instructors feedback system for education system and methods thereof” with Application number: 202041034055 in the Patent office Journal No. 34/2020 dated 21/8/2020.
2. Published patent titled “Customized Placement Training Assistance for students using Artificial Intelligence” with Application number: 202041042414 in the Patent office Journal No. 41/2020 dated 09/10/2020.
3. Published patent titled “SMART HELMET WITH BIKE SYSTEM FOR SAFETY TRANSPORTATION” with Application number: 202141024734 in the Patent office Journal No. 24/2021 dated 11/06/2021.
4. Published patent titled “An Electronic Voting Machine” with Application Number: 202141041370 in the Indian Patent Office Journal No. 40/2021 dated 01-10-2021.
5. **Obtained the Patent Grant** titled “KNEE REHABILITATION USING ARDUINO” with Application Number: 202241063780 in the Indian Patent Office Journal No. 46/2022 dated 18/11/2022.

Book Publication:

1. Published a Book titled “Wireless Sensors Technologies” in 2025 by Scientific International Publishing House. **ISBN Number: 978-93-6674-920-4**,
<https://www.flipkart.com/product/p/itme?pid=9789366749204>
<https://www.amazon.in/dp/B0DYJWZ1RL>

Professional Membership

1. Life Time Membership of ISTE: LM112304
2. IAENG (International Association of Engineers: Membership No - 293898)

CONTACT DETAILS:-

Name: Dr. Dileep J

**Official address: Dept. of ECE, #15, Mallasandra, Off. Kanakapura Road,
Bengaluru-560109**

Contact Number: 8867781213