

Mrs. Deepashri K M

Assistant Professor

Department of AI & ML,

BIET, Davangere

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Work Experience: 18 Years



Educational Qualification:

- Pursuing Ph.D. under VTU, Belagavi, Research Center: Dayanand Sagar College of Engineering, Bengaluru.
- M.Tech [Computer Science & Engineering] from Bapuji Institute of Engineering and Technology, Davangere, 2009.
- B.E [Instrumentation Technology] from Bapuji Institute of Engineering and Technology, VTU, 2005.

Roles and Responsibilities:

- BOE member for EI/ML/BM board for the year 2021-2022
- BOE member for EI/ML/BM board for the year 2019-2020
- BOE member for EI/ML/BM board for the year 2017-2018

Membership:

Life Member of Indian Society for Technical Education -LM53838

Core Subjects Taught:

Digital System Design, C Programming, C++, Digital Image Processing, Fundamentals of HDL, LabVIEW Programming

Swayam NPTEL Courses attended:

1. Completed the 4-Weeks NPTEL Online Certification Course on “Design Thinking-A Primer” conducted by IIT Madras, from February to March 2022.
2. Completed the 8- Weeks NPTEL Online Certification Course on “System Design through Verilog” conducted by IIT Guwahati from August to September 2021.

Publications:

JOURNALS

- Deepashri K M, Shubha V Patel, K K Nandish, Bharath R, Amit M Khode, “Design and Development of Product Sorting System Using Machine Vision”, *International Journal of Computational Engineering Research (IJCER)*, Volume 13, Issue 6, Nov-Dec 2023, pp.27-30, ISSN (e): 2250 – 3005
- Ashalatha ME, Holi MS, Patel SV, Deepashri KM. Segmentation of Brain Tumor using Multiple Threshold Technique. *International Journal of Health Technology and Innovation*. 2023;2(1):23-26.
- Deepashri K M, J Satheesh Kumar, Santhosh K V, “A Review on Technologies Employed in Agricultural Crop Management”, *GIS SCIENCE JOURNAL*, Volume 8, 2021, pp 660-670. DOI: 20.18001.GSJ. 2021.V8I11.21.38236.
- Anjaneya L H, Shubha V Patel, Ali I K, Deepashri K M, “Design and Development of Versatile Drop Foot Stimulator for Hemiplegic Drop Foot”, *GIS SCIENCE JOURNAL*, Volume 8, 2021, pp 1041-1048. DOI: 20.18001.GSJ. 2021.V8I7.21.37635
- Deepashri K M, Sachidanand, Latha H S, “Industrial Appliances Control Using Android Mobile & Bluetooth Technology”, *International Journal of Engineering and Manufacturing Science*, Volume 8, Number 1 (2018) pp. 33-42, ISSN 2249-3115
- Shreevara P S, Kavya Chauhan, Shreya A Ghanatti, Asha S, Deepashri K M, “LabVIEW Based Liquid Level Control System” in the *International Journal of Scientific Research in Computer Science Engineering and Information Technology* (ISSN No:2456-3307), Volume 4, Issue 3, May-June 2018, pp 30-33.
- Deepashri K M, Santhosh K V, “Glaucoma Detection by Image Fusion from Fundus Color Retinal Images: A Review” in the *International Journal of Control Theory and Applications (IJCTA)*, Vol 8, Issue 3, 2015, pp. 1147-1152.
- Deepashri K M, Santhosh K V, “A Review on Fire Detection”, *National Journal, Journal of Industrial Safety Engineering, Vol.1, No.3, 2014*.

CONFERENCES

1. Presented a paper, “Agricultural Crop Management System-A Review” in *National Conference CISCON-19* organized by Dept. of ICE Manipal Institute of Technology, Manipal, 8-9 Nov 2019.
2. Presented a paper “Industrial Appliances control using Android Mobile and Bluetooth Technology” in the *National Conference on Recent advances in Electronics and Communication Engineering (NCRAECE-17)* organized by Dept. of E&CE, B.I.E.T, Davangere on 13th October 2017.

3. Presented a paper on “Fire Detection Techniques- A Review”, in the *International Conference on Advancements in Automation, Robotics and Sensing (ICAARS 2016)* organized by the Department of Robotics & Automation Engineering, PSG College of Technology, Coimbatore during 23-24 June 2016.
4. Deepashri K M, Santhosh K V, “Glaucoma Detection by Image Fusion from Fundus Color Images: A Review” in *National Conference CISCON-15* organized by Dept. of ICE Manipal Institute of Technology, Manipal, 2-4 Nov 2015.
5. Deepashri K M, Smitha, Ranjitha and Shruthi, “Intelligent Street Lighting using a ZigBee Network”, in *National Conference Instrumentania-15* organized by Dept. of ICE, NSSCE, Palakkad, 10-11 Jul 2015.
6. Deepashri K M, Santhosh K V, “A Review on Fire Detection” in *National Conference CISCON-14* organized by Dept. of ICE Manipal Institute of Technology, Manipal, 7-8 Nov 2014.

Seminar/ Workshops Attended:

1. Participated & completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on " Application of IOT in Agriculture" from 2021-07-06 to 2021-07-10 at Gandhi Institute for Technology (GIFT) Bhubaneswar.
2. Participated & completed AICTE Training and Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" from 2021-1-19 to 2021-1-23 at Manipal Institute of Technology.
3. Participated & completed AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 2021-1-4 to 2021-1-8 at Jawaharlal Nehru National College of Engineering.
4. Participated & completed AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence and Machine Learning Applications in Biomedical Engineering" from 2020-9-21 to 2020-9-25 at University BDT College of Engineering.
5. Attended Three Day Workshop on “PLC and SCADA”, organized by dept. of E&IE, BIET, Davangere from 23-25 October 2019
6. Attended a seminar on “Oil and Gas Process Fundamentals-Offshore Process”, organized by dept. of E&E, BIET, Davangere on 10 August 2019
7. Attended one-week short term training program through ICT Mode on “Effective Teaching” organized by dept. of IS&E, BIET, Davangere from 15-19 July 2019.
8. VTU TEQIP sponsored a two-day workshop on “AICTE New Model Curriculum” for EI/BM/ML as per OBE format including Course Outcomes and Bloom’s Taxonomy at BNMIT on 29 and 30 April 2019.

9. Attended workshop on “Applications of LABVIEW in Engineering & Research”, organized by dept. of ECE, BIET, Davangere from 28-01-2019 to 02-02-2019.
10. Delivered an invited lecture on “Sensors and Transducers” organized by EC forum, Bapuji Polytechnic Shabanur, Davangere on 4th Oct 2017.
11. Attended a “Hands on Course on Data Acquisition and Processing for Instrumentation and Control Application”, organized by dept. of ICE, MIT, Manipal from 04 to 08 Jan 2016.
12. Attended one day Workshop On “Research methodology” organized by Research and Development cell of BIET in association with ISTE-BIET Chapter, Davangere held on 28th Oct 2015.
13. Attended two-day Workshop On “Women Empowerment “Organized By IS&E Department, BIET, Davangere on 18th and 19th Dec 2014.
14. Attended FDP on “Image Processing and its Applications” organized by E&CE Department, BIET in association with IETE Shivamogga sub center, IETE New Delhi & ISTE Karnataka Section, ISTE BIET Davangere held on 29th Oct and 30th Oct 2014.
15. Attended four-day workshop on “Graphical System Design Platform- LabVIEW” organized by VI solutions, Bengaluru and BIET, Davangere from 27th Sept to 1st Oct 2014.
16. Attended three-day workshop on “Smart Sensing” organized by MIT, Manipal from 17-19 Jul 2014.
17. Attended a two-day faculty development program on “LabVIEW & its applications”, organized by E&C in association with ISTE BIET Chapter & Trident Techlabs Pvt. Ltd., Bengaluru on 2nd & 3rd August 2012 at BIET, Davangere.
18. Participated in a “High Impact on Teaching Skills -Mission 10X” workshop conducted at BIET, Davangere in association with Wipro from 28-05-2012 to 01-6-2012.
19. Attended three- d a y workshop on “PLCs & SCADA” organized by IT forum & Prolific Systems & Technologies Pvt. Ltd., Bangalore from 31-10-2010 to 02-11-2010.
20. Attended two- d a y workshop on “MEMS-Biomedical Applications”, organized by department of Biomedical Engineering held at Manipal Institute of Technology, Manipal from 21-22 March 2009.
21. Attended two-day Faculty Development Program on “Virtual Instrumentation” organized under TEQIP by UBDTCE, Davangere during 29th - 30th Mar 2007.