


## FACULTY PROFILE

				
<b>1. Name :</b>		<b>Dr. DEEPIKA K C</b>		
<b>2. Date of Birth :</b>		<b>25-01-1988</b>		
<b>3. Highest Qualifications :</b>		<b>BE, M.Tech, Ph.D.,</b>		
<b>4. Academic Performance :</b>				
<b>Qualifications</b>	<b>Board / IIT / University</b>	<b>Institute and place where studied</b>	<b>Year of passing/Percentage</b>	
<b>SSLC</b>	D.V.P.B.H.S, C.N. Halli	Karnataka Secondary Education Examination Board, Karnataka.	2003/87.91%	
<b>PUC</b>	Government Independent PU College, C.N. Halli.	Board of P.U.C Education, Karnataka	2005/91.50%	
<b>BE</b>	Bangalore University, Bangalore.	U.V.C.E, Bangalore	2009/71.41%	
<b>M.Tech.</b>	VTU, Belgaum	Maland College of Engineering, Hassan	2011/76.66%	
<b>Ph.D</b>	VTU, Belgaum	Research Center: Department of EIE Maland College of Engineering, Hassan	2023	

### Teaching Experience:

<b>Assistant Professor</b>	Department of E&C MCE, Hassan	<b>1 Year</b> (2/9/2011 to 23/06/2012)
<b>Assistant Professor</b>	Department of E&C MCE, Hassan	<b>10 Years</b> (9/9/2014 to till date)
		<b>11 Years</b>

### Industrial Training:

1. I have successfully completed the Industrial training from 01-04-2024 to 15-04-2024 (15 Days) in KMF, Hassan.

### Journals Published:

1. A research article title “Local Pre-Conditioning and Quality Enhancement to Handle Different Data Complexities in Contactless Fingerprint Classification” published in the Journal International Journal of Advanced Computer Science and Applications, Vol. No 13, Issue No 8, Page No. 653-661, Impact factor **1.16**, **Scopus indexed (Q3)** and year of publication **2022** published by thsai.org with

DOI: <http://dx.doi.org/10.14569/IJACSA.2022.0130875>

2. A research article title “A Study on Structural and Textural Feature Extraction for Contactless Fingerprint Classification” published in the Journal Indian Journal of Science and Technology, Vol. No 15, Issue No 44, Page No. 2375-2385, Impact factor 0.8, **Web of Science indexed** and year of publication **2022** published by thsai.org with DOI: <https://doi.org/10.17485/IJST/v15i44.1471>
3. A research article title “A Robust Deep Features Enabled Touchless 3D-Fingerprint Classification System.” published in the Journal SN Computer Science, **Scopus indexed (Q2)** Vol. No 2, Issue No 263, and year of publication **2022** published by Springer with DOI: <https://doi.org/10.1007/s42979-021-00657-x>.

#### **Book Chapter Published:**

1. A research article title “Towards More Accurate Touchless Fingerprint Classification Using Deep Learning and SVM” published in the Journal Data Science and Computational Intelligence Communications in Computer and Information Science, Vol. No 1483, Chapter No 20, Impact factor 0.49, **Scopus indexed (Q4)** and year of publication **2021** published by Springer with DOI: [https://doi.org/10.1007/978-3-030-91244-4\\_20](https://doi.org/10.1007/978-3-030-91244-4_20)

#### **Papers Published:**

1. “Touchless 3D Fingerprint Classification: A Systematic Survey”, Deepika K C, Dr. G. Shivakumar. 2018 Third **IEEE** International Conference on Electrical, Electronics, Communication Computer Technologies, and Optimization Techniques (ICEECCOT), 14-15 December **2018**. GSSS, Mysore.
2. K. C. Deepika and G. Shivakumar, "Hybrid CNN-Ensemble based Classifier for Touchless Fingerprint Classification," **2021 IEEE** Mysore Sub Section International Conference (MysuruCon), 2021, pp. 482-486, doi: 10.1109/MysuruCon52639.2021.9641718.

#### **Courses attended:**

1. Completed **12** weeks **NPTEL** Swayam course on **Deep Learning** with 73% from July-October 2023.
2. Successfully completed **IUCEE International Engineering Educator Certification Program**, Spring 2020.

#### **Conference organized:**

1. **Co-ordinated IEEE MysuruCon 2023** being a **co- chair** hosted by Department of E & C, Malnad college of Engineering during 1<sup>st</sup> and 2<sup>nd</sup> of December 2023.

#### **Workshops organized:**

1. Co-ordinated TEQIP-II Sponsored workshop on “**Hands on training on Cadence VLSI design tool**” organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 18th & 19th March 2017.
2. Co-ordinated TEQIP-II Sponsored workshop on “**Hands on training on NETSIM**” organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 27th March 2017.
3. Co-ordinated TEQIP-III Sponsored one week FDP on “**Machine Learning**” organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, from 28th of June to 2nd of July 2018.
4. Co-ordinated TEQIP-III Sponsored workshop on “**Machine Learning**” organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 29<sup>th</sup> & 30<sup>th</sup> September 2018.
5. Co-ordinated **National Symposium** organized by IEEE ComSoc chapter, IEEE student chapter in association with science association hosted by Department of E & C, Malnad college of Engineering, Hassan from 20<sup>th</sup> February 2024 to 24<sup>th</sup> February 2024.

#### **Work Shops attended:**

1. Participated in workshop on “**India’s Achievement in Space Technology and Social Development in Technical Education**” organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 16<sup>th</sup> October 2014.
2. Participated in workshop on “**Hands on Experience on ANSYS HFSS**” organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 28<sup>th</sup> October 2014.
3. **TEQIP-II** sponsored three days faculty development programme on “**Pedagogical Training Programme for Faculty Members**” organized by Department of Electrical & Electronics Engineering, MCE, Hassan, held during

15<sup>th</sup> to 17<sup>th</sup> December 2014.

4. TEQIP-II sponsored five days faculty development programme on **“Storage Area Networks and Data Management”** organized by Department of Computer Science And Engineering, MCE, Hassan, held during 22<sup>nd</sup> to 26<sup>th</sup> December, 2014.
5. Participated in workshop on **“Recent Trends in Antenna Research & Communication Technology”** organized by Department of Electronics and Communication & E & I Engg , Malnad College of Engineering, Hassan, on 6<sup>th</sup> & 7<sup>th</sup> April 2015.
6. Participated in TEQIP-II Sponsored workshop on **“Two days hands on training on DSP TMS320C6713”** on 21<sup>st</sup> and 22<sup>nd</sup> March 2016  
Organized by Department of Telecommunication Engineering, Dr. Ambedkar Institute of Technology, Bengaluru.
7. Participated in TEQIP-II Sponsored one week workshop on **“Pedagogical training- FEEL TEACHER”** on 6<sup>th</sup> and 11<sup>th</sup> June 2016 Organized by MCE Hassan.
8. Participated in TEQIP-II and SPFU Component 1.2 Sponsored one week workshop on **“Pedagogical training programme”** on 11<sup>th</sup> and 15<sup>th</sup> July 2016 Organized by MCE Hassan.
9. Participated in FDP on **“Digital Signal, Image processing and Pattern Recognition using SCILAB”** from 27<sup>th</sup> - 29<sup>th</sup> of September 2016 Organized by Department of Electronics and communication Engineering, PES University, Bengaluru.
10. Participated in TEQIP-II Sponsored workshop on **“Sensor Design and Implementation”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 4<sup>h</sup> & 5<sup>th</sup> Feb 2017.
11. Participated in TEQIP-II Sponsored workshop on **“Virtual Laboratory”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 16<sup>th</sup> Feb 2017.
12. Participated in TEQIP-II Sponsored workshop on **“Internet Of Things on Real Time Applications”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 13<sup>th</sup> & 14<sup>th</sup> March 2017.
13. Participated in TEQIP-II Sponsored workshop on **“Hands on training on Cadence VLSI design tool”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 18<sup>th</sup> & 19<sup>th</sup> March 2017.

14. Participated in TEQIP-II Sponsored workshop on **“Robotics and Embedded Systems”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 23<sup>rd</sup> & 24<sup>th</sup> March 2017.
15. Participated in TEQIP-II Sponsored workshop on **“Image Processing and Pattern Recognition Techniques”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 24<sup>th</sup> & 26<sup>th</sup> March 2017.
16. Participated in TEQIP-II Sponsored workshop on **“Hands on training on NETSIM”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 27<sup>th</sup> March 2017.
17. Participated in TEQIP-III Sponsored one week FDP on **“MEMS & MOEMS”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, from 30<sup>th</sup> of April to 4<sup>th</sup> of May 2018.
18. Participated in TEQIP-III Sponsored one week FDP on **“Machine Learning”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, from 28<sup>th</sup> of June to 2<sup>nd</sup> of July 2018.
19. Participated in TEQIP-III Sponsored one-week Interdisciplinary FDP on **“Recent Developments in solar & Wind Energy system for on/off Grid Applications”** organized by Department of Electrical and Electronics Engineering, Malnad College of Engineering, Hassan, from 9<sup>th</sup> to 13<sup>th</sup> of July 2018.
20. Participated in TEQIP-III Sponsored 2- day workshop on **Outcome-based Education [OBE]** organized by Malnad College of Engineering, Hassan, from 4-5 August 2018.
21. Participated in TEQIP-III Sponsored workshop on **“Machine Learning”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, on 29<sup>th</sup> & 30<sup>th</sup> September 2018.
22. Participated in TEQIP-III Sponsored FDP on **“Being a Great Teacher”** organized by Department of Mechanical Engineering, Malnad College of Engineering, Hassan, from 3<sup>rd</sup> & 4<sup>th</sup> November 2018.
23. One day programme on **“FEEL Teacher – Developing, Counseling, mentoring”** organized by MCE, Hassan and conducted by College of Leadership and HRD, Mangalore at MCE Hassan on 2nd November 2019.
24. TEQIP-III sponsored one day workshop on **“Application of Probability in Engineering”**, organized by the Department of Mathematics and Department of Electronics and Communication Engineering, at Malnad College of Engineering, Hassan, on 5th November 2019.

25. Participated in AICTE Sponsored two weeks FDP on **“Green, Smart, 5G Technologies”** organized by Department of Electronics and Communication, Malnad College of Engineering, Hassan, from 9-12-2019 to 21-12-2019.
26. Successfully completed **IUCEE International Engineering Educator Certification Program**, Spring 2020.
27. Participated in Five days AICTE Training and Learning (ATAL) Academy online FDP on **‘Computer Science & Biology’** from 2021-1-19 to 2021-1-23 at Malnad College of Engineering, Hassan.
28. Participated in AICTE sponsored one week online short-term training program entitled **‘Empowering the Moral values, Ethics and Behavioral attitude in teaching skills among the teachers’** from 2021-2-19 to 2021-2-23 organized by Department of E&C Engineering, Dr. N.G.P Institute of Technology, Coimbatore.
29. AICTE Training And Learning (ATAL) Academy Online FDP on **Quantum and Photonics** from 29th Nov to 3rd Dec 2021 Institute: Malnad College of Engineering Hassan.
30. AICTE Training And Learning (ATAL) Academy Online FDP on **" Real Time Problems And Solutions With Ai & MI Using R Programming"** from 06/12/2021 to 10/12/2021. Institute: Galgotias University.
31. One Week AICTE – VTU Joint Training Programme for Teachers on **“An Overview of Teaching Techniques in Basics of Electronics and Communication Engineering”** on 13th to 17th December 2021 Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.)
32. AICTE Training and Learning (ATAL) Academy Online FDP on **"Research Challenges in Atmospheric Sciences with a Computing Edge”** from 20/12/2021 to 24/12/2021. Institute: M S Ramaiah Institute of Technology.
33. Participated in Five days online FDP on **‘Analog and Digital IC Design: Semiconductor Industry Approach’** jointly organized by Atria Institute of Technology and Entuple Technologies from 26<sup>th</sup>-30<sup>th</sup> September 2022.
34. Participated in one day workshop on **‘Intellectual Property Rights and Cyber Law’** organized by Department of Electronics and Communication Engineering, Malnad College of Engineering, Hassan on 17<sup>th</sup> October 2022.
35. Participated in one-week online workshop on **‘National Energy conservation week’** organized by Energy Club in association with Institution’s Innovation Council from 14<sup>th</sup>-20<sup>th</sup> December 2022.
36. Participated in One Week National Level Online Faculty Development Program

on **Societal Applications of Machine Learning** from 26<sup>th</sup>-30<sup>th</sup> December 2022 organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram.

37. Participated in One Week National Level Online Faculty Development Program on **Recent Advances in Data Science, Data Analytics and Cyber Security** from 1<sup>st</sup>-5<sup>th</sup> March 2023 organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram.
38. Participated in 5 Day Faculty Development Program on **Salesforce Platform Developer 1** conducted by ICT Academy from 29<sup>th</sup> May 2023 to 2<sup>nd</sup> June 2023 at Malnad College of Engineering, Hassan.
39. Participated in **3 weeks** workshop on **Empowering Aspiring Women Entrepreneurs in: Sustainable & Eco-Friendly, Digital & E-Commerce Sectors** organized by JSSATEB STEP supported by Department of Science & Technology, Govt. of India from 7<sup>th</sup> Feb to 23<sup>rd</sup> Feb 2024

**Contact: 1. Email: [kcd@mcehassan.ac.in](mailto:kcd@mcehassan.ac.in)**

**2. Mobile:7411122817**

**3. Postal address:**

“kanaka Nilaya”

2<sup>nd</sup> cross, Saraswathi Puram

Hassan

**(Dr. DEEPIKA K C)**