

## FACULTY PROFILE

**1. Name** : **Dakshayini M.R**

**2. Date of Birth** **10/07/1983**

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**3. Highest Qualifications** **M. Tech**

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**4. Academic Performance:**

(High School to Highest Qualifications.)



<b>Course</b>	<b>Speciliza-tion</b>	<b>University/Board</b>	<b>College/School</b>	<b>Aggregat-e</b>
<b>M.Tech</b>	<b>DE&amp;CS</b>	V.T.U.Belgaum.	Malnad college of Engineering,Hassan.	73%
<b>B.E</b>	<b>E&amp;CE</b>	V.T.U.Belgaum.	Malnad college of Engineering,Hassan.	55%
<b>Diplamo</b>	<b>E&amp;CE</b>	Board of Technical Education, Karnataka.	Govt. Polytechnic for Women's, Hassan.	65%
<b>S.S.L.C</b>	<b>Kannada</b>	Board of Secondary Education, Karnataka.	St. Philomena's High School, Hassan.	69.76%

**5. Date of Joining** **02/09/2012**

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**6. Status as on date of Joining :** Lecturer

**7. Salary as on date of Joining :** 18,000/- per month ((Basic) + Allowance)

**8. Present Status** : Assistant Professor

**9. Salary as on date** : 48,208/- per month ((Basic) + Allowance)

### **FDP/WORKSHOP attended since date of joining:**

- 1) TEQIP-II sponsored 2 days workshop on “Teaching effectiveness” held on 29<sup>th</sup> -30<sup>th</sup> March 2013 @ Southern star Hassan, conducted by TEQIP-II MCE Hassan.
- 2) TEQIP-II sponsored 2 days Faculty Development Program on “Recent advances in Mechatronics engineering and it's Applications” (RAMA-13), conducted by Dept.of E&CE,MCE Hassan @MCE Hassan held on 30<sup>th</sup> -31<sup>st</sup> May 2013.

- 3) TEQIP-II & cosponsored by IEEE photonics society, Karnataka chapter 2 days workshop on “Emerging trends In optical communication & optical engineering” conducted by Dept.of E&CE, MCE Hassan @MCE Hassan held on 3<sup>rd</sup> -4<sup>th</sup> June 2013.
- 4) TEQIP-II sponsored 1 week Faculty Development Program on “Emerging trends &research avenues in Image processing” conducted by Dept.of E&CE, MCE Hassan @MCE Hassan held on 1<sup>st</sup> -5<sup>th</sup> July 2013.
- 5) TEQIP-II sponsored 1 week Short term Course on “Power quality In deregulated power system with MATLAB application” (PQDPS-2013), conducted by Dept.of E&E, NIT Hamirpur @ NIT Hamirpur held on 15<sup>th</sup> – 19<sup>th</sup> July 2013.
- 6) 2 days workshop on “Role & significance of research in Engineering Education” conducted by Cresys Technologies in Association with UVCE, Bangalore held on 21<sup>st</sup> – 22<sup>nd</sup> August 2013.
- 7) A workshop on “India’s achievement in space technology and social development in technical education” organized by Dept.of E&CE, MCE,Hassan, on 16<sup>th</sup> October 2014.
- 8) A workshop on “Hands on experience in Antenna design using ANSYS HFSS” organized organized by Dept.of E&CE, MCE,Hassan, on 28<sup>th</sup> October 2014.
- 9) TEQIP-II sponsored three days pedagogical training program for faculty members organized by Dept. of E&C, MCE Hassan on 15<sup>TH</sup> -17<sup>TH</sup> DECEMBER 2014.
- 10) TEQIP-II sponsored two days workshop on “RECENT TRENDS IN ANTENNA REASEARCH & COMMUNICATION TECHNOLOGY” organized by Dept. of E&E and E&I, MCE Hassan on 06<sup>TH</sup> and 7<sup>th</sup> APRIL 2015.
- 11) AICTE sponsored two weeks FDP on “formulation, modeling & practical application of operation research(FMPAOR-2015)” (interdisciplinary course) organized by by Dept. of mechanical Engg, MCE Hassan on 25<sup>TH</sup> May to 6<sup>th</sup> June, 2015.
- 12) TEQIP-II sponsored one week National workshop on “currents trends in Digital image processing techniques and applications” organized by computer science division & Dept. of E&C, NIE Mysore from July 27 to July 31 2016.
- 13) TEQIP-II sponsored two days workshop on “SENSORS DESIGN AND IMPLEMENTATION” organized by Dept. of E&C, MCE Hassan on 04<sup>TH</sup> and 5<sup>th</sup> FEBRUARY 2017.
- 14) TEQIP-II sponsored two days workshop on “internet of things for real time application” organized by Dept. of E&C, MCE Hassan on 13<sup>th</sup> and 14<sup>th</sup> March 2017.
- 15) TEQIP-II sponsored one day workshop on “MOEMS & APPLICATIONS” organized by Dept. of E&C, MCE Hassan on 18<sup>TH</sup> March 2017.
- 16) TEQIP-II sponsored one day workshop on “High speed optical networks” organized by Dept. of E&C, MCE Hassan on 21<sup>st</sup> March 2017.
- 17) TEQIP-III sponsored One week FDP on “MEMS & MOEMS” organized by Dept. of E&C, MCE Hassan from 30<sup>th</sup> April to 04<sup>th</sup> May 2018.
- 18) TEQIP-III sponsored two days workshop on “Next generation optical communication systems” organized by Dept. of E&C, MCE Hassan on 12<sup>th</sup> and 13<sup>th</sup> November 2018.
- 19) TEQIP-III sponsored one day workshop on “Training the Proctors for Effective Counseling” organized by women security ,women & grievance redressal & proctor system committee, MCE Hassan on 23<sup>rd</sup> March 2019.
- 20) AICTE Training and Learning (ATAL) Academy sponsored Online Elementary FDP-one week on "Design Thinking: From Insights to Viability for Engineers" from 06/12/2021 to 10/12/2021 at Lakireddy Bali Reddy College of Engineering.
- 21) AICTE Training and Learning (ATAL) Academy sponsored Online Elementary FDP- one week on "Quantum and Photonics" from 29/11/2021 to 03/12/2021 at Malnad College of Engineering,Hassan.

22) one week Faculty Development Programme on “Recent Advancements in Organic & Nano Electronics RAONE 21” during 8th – 13th October 2021 organized by Department of Electronics and Communication Engineering, SRMIST, Chennai.

23) Five Days Online Faculty Development Program (FDP) titled as "RECENT ADVANCEMENTS IN PHOTONICS AND ITS APPLICATIONS"" held on 27th September 2021 to 1st October 2021, Organized by Department of Electronics and Communication Engineering, CARE College of Engineering in association with IEEE CARE Students Branch- Madras Section & IEEE Photonic Society, Bangalore Chapter.

24) Four Days Workshop on “Antenna Design for Military Biomedical and Wireless Application” held on 20th December 2021 to 23rd December 2021, Organized by Department of Electronics and Communication Engineering, CARE College of Engineering in association with IEEE CARE Students Branch- Madras Section & Jyoti Electronics, Ahmadabad.

25) Webinar Series on “Developing Leadership Skills for Enhancing Personal and Organizational Outcome ”Organised by the Department of Electrical Engineering In association with ISTE, ISLE & Vihangam Techno Holistic Organization held on November 22 & November 27, 2021.

26) webinar on "Entrepreneurship and beyond" organized by Institution's Innovation Council( IIC-PEC) in association with Entrepreneurship development ceell, Paavai Engineering College on 26-11-2021.

27) one week international FDP online on “interdisciplinary insights : data science, machine learning, and cyber security” from 19<sup>th</sup> to 24<sup>th</sup> February 2024, organized by school of computer science engineering , JAIN , Banglore

28) one week national symposium organized by IEEE MCE ComSoc Chapter and IEEE MCE student branch in association with Science Assosiation from 20<sup>th</sup> to 24<sup>th</sup> February 2024 hosted by Department of E&CE, MCE, Hassan.

29) ten days FACULTY DEVELOPMENT PROGRAM on “ Data Visualization and Data Analysis“ between 08th to 17th May 2024. SWASTHIK CONSULTING SERVICES BANGALORE.

30) one day training program on “scaling new heights :A comprehensive training programme to enhance overall institutional diligence: on 20<sup>th</sup> sep 2024, organized by detp of mechanical and civil engineering, MCE Hassan.

### **Workshop conducted:**

1. Two days workshop on “Advanced Embedded System Design and IoT using Arduino and NodeMCU” 26th -27th July, 2024, in department of E&CE, MCE Hassan.

### **NPTEL course completed:**

- 1) Eight weeks NPTEL-AICTE, FDP on "Enhancing Soft Skills and Personality" from Feb-April-2022. with the consolidated score of 78%.
- 2) Eight weeks NPTEL-AICTE, FDP on "Enhancing Soft Skills and Personality" from Feb-April-2023. with the consolidated score of 71%.
- 3) Twelve week of NPTEL-AICTE, FDP on “Philosophy and Critical Thinking” from Feb-April-2024 , with the consolidated score of 75%.

### **Journal Publications:**

1. Titled **“Iris Recognition Using Machine Learning** “in IJIRSET, an ISO 9001:2008 Certified Journal , volume 13, issue 4, april-2024, e-ISSN: 2319-8753|p-ISSN-2347-6710, DOI:10.15680/IJIRSET.2024.1304433, page numbers from 6061-6066. Impact Factor: 8.423.
2. Titled **“Smart Home Automation Using the Internet of Things”** in IJIRCCE, An ISO 9001:2008 Certified Journal, volume 12, issue 4, april-2024, e-ISSN: 2320-9801|p-ISSN-2320-

3. Titled **“Crop Yield Prediction System Using Satellite Imagery and Machine Learning”** in IJIRSET, an ISO 9001:2008 Certified Journal , volume 13, issue 5, may-2024, e-ISSN: 2319-8753|p-ISSN-2347-6710, DOI:10.15680/IJIRSET.2024.1305025, page numbers from 6685-6690. Impact Factor: 8.423.

4. Sushma Nagesh, Santhosh Kumar Kenkere Basavaraju, Dakshayani Mandikeri Ramaiah, Triveni Chitralingappa Lingappa, Indira Bahaddur, Venkateswara Rao Kolli, IAES International Journal of Artificial Intelligence (IJ-AI)Vol. 14, No. 6, December 2025, pp. 5058~5068ISSN: 2252-8938, <http://doi.org/10.11591/ijai.v14.i6.pp5058-5068>.

5. Hemanth Kumar, D. T., C. L. Triveni, B. S. Rohini, and M. R. Dakshayini. "Design and analysis of 2D photonic crystal based DEMUX using Y-shaped junction." Journal of Optical Communications 0 (2025).

#### **Conference paper:**

1. International Journal of Engineering Technology and Management Science, Issue: 3 Volume No.8May - June – 2024 DOI:10.46647/ijetms.2024.v08i03.067 ISSN: 2581-462, titled “Crop Yield Prediction System Using Satellite Imagery and Machine Learning.”
2. Dakshayini M R, Triveni C L has successfully presented a paper titled “A Gallium Nitride-Based Approach to Sense Blood Glucose“ at the Sixth International Conference on Optical & Wireless Technologies 2025 (OWT 2025) held at NIT Goa, India. on 18-19 Dec 2025.
3. Dr. Triveni, Dr. Prakruthi H. L, Dakshayini M. R & Dr. Saara.K, A NOVEL APPROACH TOWARDS LINK AND SUBCARRIER DEPLOYMENT IN ELASTIC OPTICAL NETWORKS, MNET 60.
4. Dakshayini M R, Triveni C L, Hemanth Kumar D T & Spandana S R, A Gallium Nitride-Based Approach to Sense Urine Glucose, PROCEEDINGS OF IEEE 22ND INDIA COUNCIL INTERNATIONAL CONFERENCE IEEE INDICON - 2025 18–20 DECEMBER 2025, INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY (IIIT-B) 26/C, ELECTRONICS CITY, HOSUR ROAD BANGALORE, KARNATAKA, INDIA - 560100, IEEE CONFERENCE RECORD NUMBER: 68490, ISBN : 979-8-3315-9031-4

#### **Patent field:**

Title of invention “method of predicting crop yield by processing satellite imagery through machine learning” published in the patent office journal No. 33/2024 dated 16/08/2024.

#### **Proposal filed:**

One Proposal is filed under VGST, GRD No: VRN/003215/23-24, titled “Smart Agricultural Monitoring System Using IoT”

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**(DAKSHAYINI.M.R)**