

FACULTY PROFILE

1. Name : Dr. KEERTHI D.S.

2. Date of Birth : 15.04.1986

3. Highest Qualifications : Ph.D



4. Academic Performance :
(High School to Highest Qualifications.)

Qualifications	Board / IIT / University	Institute and place where studied	Year of passing
SSLC	SSLC Board	Navodaya High school, Channarayapatna	2001
PUC / 10+2	PU Board	Navodaya PU College, Channarayapatna	2003
B.E.	V.T.U, Belgaum	Adichunchanagiri Institute of Technology, Chickmagalur	2007
M.Tech.	V.T.U, Belgaum	Malnad College of Engineering, Hassan	2009
Ph.D.	VTU, Belgaum	SKSJTI, Bangalore	2020
Others if any			
PGDHRM	KSOU, Mysore	KSOU, Mysore	2011

5. Date of Joining : 04.12.2010

6. Status as on date of Joining : Lecturer

7. Salary as on date of Joining : 18000/-

8. Present Status : Assistant Professor (Appointed by DTE from 16.06.2011)

9. Salary as on date : Rs. 138061/-

10. Number of promotions since date of joining : Nil

11. Achievements since date of joining:

FDP	R & D	No. of Publication	Teaching Award	Books / Monograph	Conference /Journals	Extra curricular activities	Admin.
30	-	16	2	-	16	-	11

Invited Talks: 02

1. Technical Talk on “**Essential Mathematics for Wireless Communication and Machine Learning**” in three days webinar on Current Trends in Applied Mathematics from 21st - 23rd September 2020 Organized by Department of Mathematics Maharaja Institute of Technology Mysore
2. Technical Talk in one day webinar on " **The Roadmap of Mathematics for Machine Learning** " 18th December 2020 Organized by Department of Science and Humanities Coorg Institute of Technology, Ponnampet, Karnataka
3. AICTE vaani

Session Chair :

Industrial Training Attended: 02

1. Industrial Training Program on “**Satellite Technology and Applications**” from 09th May to 20th May 2022, conducted by Program, Planning & Evaluation Group (PPEG), Master Control Facility(MCF), Hassan.
2. Industrial Training Program on “**Fundamentals of IoT Development with THINGWORX & Basics of PLC**” from 06th February to 18th February 2023, conducted by Govt. Tool Room & Training Centre, Hassan.

Faculty Development Programmes Attended: 30

1. ATAL FDP
2. Five Days Faculty Development Program on “**Salesforce Platform Developer 1**” conducted by ICT Academy on 29th May 2023 to 02nd June 2023 at Malnad College Of Engineering, Hassan
3. Five days online FDP Programme on “**Future Trends & Advances in Electrical Science**”, from 04th to 08th April 2022, conducted by Department of Electrical and Electronics Engineering, SJBIT, Bengaluru
4. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Cyber Security and Block chain**" from 13/12/2021 to 17/12/2021 at Global Academy of Technology.
5. Five days online FDP on “**RECENT TRENDS ON MICROWAVE AND ANTENNA TECHNOLOGIES**” organized by Dept. of ECE, East Point College of Engineering and Technology from 15th to 19th November 2021

6. One Week online faculty development program on **“Research Proposal Writing and Opportunities in the Field of science, Engineering and Management”** organized by R&D Center-BIT, FROM 06th July 2020 to 11th July 2020.
7. TEQIP III sponsored Two day workshop on **“Being a great Teacher”** during 3rd and 4th November 2018 Organized by Department of Mechanical Engineering, MCE, Hassan.
8. TEQIP III Sponsored One day workshop on **“Research Orientation using Virtual Labs”** held on 5th October, 2018 Organized by Department of E & CE, MCE, Hassan.
9. TEQIP III Sponsored One day workshop on **“Professional & Academic Quality in Engineering Courses”** held on April 23, 2018 Organized by Department of EEE, MCE, Hassan.
10. TEQIP III sponsored one week FDP on **“MEMS & MOEMS”** during 30th April to 04th May 2018 Organized by Department of Electronics and Communication Engineering, MCE, Hassan.
11. TEQIP III Sponsored One week Interdisciplinary faculty development program on **“Recent Developments in Solar & Wind Energy System for On/Off Grid Applications”** during 09th -13th July, 2018 Organized by Department of EEE, MCE, Hassan.
12. TEQIP Sponsored One week exclusive faculty development program on **“Automation in Manufacturing”** conducted at CMTI, Bengaluru from 20th March 2017 to 24th March 2017.
13. TEQIP sponsored two days workshop on **“Internet of Things for Real Time Applications”** during 13th March to 14th March 2017 Organized by Department of Electronics and Communication Engineering, MCE, Hassan.
14. TEQIP sponsored one day workshop on **“Virtual Laboratory”** on 16th March 2017 Organized by Department of Electronics and Communication Engineering, MCE, Hassan.
15. TEQIP Sponsored One week faculty development program on **“Real Time Embedded Systems and IoT, It's applications”** from December 05-10, 2016 Organized by E & ICT Academy, NIT, Warangal at the department of ECE, Vardhaman College of Engineering, Hyderabad, Telangana.
16. AICTE recognized short term course on **“ Technical Teachers Role, Self Esteem, Motivation & Professionalism Development through ICT”** conducted by Media and Continuing Education Centre from 28th November 2016 to 2nd December 2016 at Malnad College of Engineering, Hassan.
17. TEQIP sponsored one week workshop on **“Pedagogical Training”** during 11th July to 15th July 2016 held at MCE, Hassan.

18. TEQIP Sponsored One week faculty development program on **Data Mining: Security and Privacy Issues** from June 23-27, 2014 Organized by Department of Computer Engineering Department Sardar Vallabhbhai National Institute of Technology (SVNIT) Ichhanath, Surat-395007, Gujarat, India
19. AICTE Sponsored one week QIP Short Term Course on **"Bio-informatics"** conducted by IIT Bombay at Mumbai during 29th December 2013 to 2nd January 2014.
20. AICTE Sponsored two week faculty development program on **"Advances in Cloud Computing"** from 1st July – 14th July 2013 Organized by the Department of Information Science and Engineering, Acharya Institute of Technology, Bangalore
21. AICTE Sponsored two week faculty development program on **"Emerging Trends in Computing"** from 13th to 26th May 2013 Organized by Department of Computer Science and Engineering, PSG College of Technology, Coimbatore.
22. A three days workshop on **"Simulation of Wired and Wireless Networks"** (SWN – 2013) from 17th – 19th June 2013 at NITK, Surathkal Organized by Dept. of Computer Science & Engineering, Karnataka State, India
23. TEQIP Sponsored One week faculty development program on **"Recent Advances in Communication and Signal Processing (RACSP)"** from 21 to 25th Jan 2013 Organized by Department of Electronics and Communication Engineering H.K.E'S Poojya Doddappa Appa College of Engineering Gulbarga-585102, Karnataka State, India
24. AICTE - TEQIP Sponsored One week faculty development program on **"Embedded Systems: Hardware Software and Design Aspects"** from 23rd to 29th June 2013 organized by the Department of Electrical Engineering & Electronics and Communication Engineering, NIT, Calicut, Kerala.
25. AICTE Sponsored Staff Development Programme on **"Recent Trends in Machine Learning and Pattern Recognition"** during July 2-7, 2012 Organized by Department of Computer Science & Engineering, SSN College of Engineering, Kalavakkam, Chennai.
26. AICTE - Staff Development Programme on **"Automotive Ergonomics and Safety"** During 27/05/2012 to 09/06/2012 held at PSG College of Technology, Coimbatore
27. AICTE/MHRD Sponsored Short Term Training Program **"On Guided and Free Space Optical Communication Systems and Networks"** 16th August, 2011 to 20th August, 2011 Organized by Department of Electronics & Comm. Engg. held at NITK, Surathkal, Mangalore
28. One day Workshop on **"Lab VIEW and data Acquisition"** held at MCE, Hassan, during March 5th 2011.

29. Two day national level workshop"ping 2008" on **"Advances in Wireless Communication Technologies"** held at MIT, Manipal during 28th-29th April 2008.
30. Two day State level Technical Seminar on **"Towards ULSI"** held at M.S.Engineering College, Bangalore during 6th-7th May 2009
31. **V.T.U** sponsored five days Faculty Development Programme on **"Speech and Image Processing"** held at SIT, Tumkur during 20th-24th March 2010.

Workshops Conducted: 01

1. Two days workshop on **"Hands on Qualnet Research Version"** for the faculty and students conducted in the department of ECE, MCE under department budget during 10th and 11th March 2016.

Sponsored Projects: 03

1. Successfully completed 43rd Series KSCST sponsored project titled "Background Subtraction Algorithm for Crowd Movement Detection in Surveillance Videos" during the year 2020.
2. Successfully completed 45th Series KSCST sponsored project titled "Crowd Counting for Suspicious Activity Detection Using Deep Learning" during the year 2022.
3. 47th Series KSCST sponsored project titled "Crowd Tracking Using Optical Flow Method For Video Surveillance" during the year 2024

Publications & Papers Presented in Journals and Conferences

1. **Keerthi D.S.** "Design and Implementation of Video Down Scalar for XGA to SVGA format" National conference on VLSI & Multimedia Communication held at R.V.College of Engg., Bangalore during 23rd-24th October 2009.
2. **Keerthi D.S.** "Design and Implementation of Video Scalar for SVGA to XGA format" National conference on Recent Trends in Computer Communication and Information Technology Rccit'2009 held at M.S. Engg. College, Bangalore on 17th-18th April 2009.
3. **Keerthi D.S.** "Power control issues in wireless sensor networks: a survey" 2nd National conference on Recent Trends in Computer Communication and Information Technology Rccit'2011 held at M.S. Engg. College, Bangalore during 8th April 2011.
4. **Keerthi D.S.** "A Comparative study of routing protocols and routing metrics in Wireless Mesh Networks" 3rd National conference on Recent Trends in Computer Communication and Information Technology Rccit'2013 held at M.S. Engg. College, Bangalore during 29th April 2013.

5. Chethan Kumar S N, **Keerthi D S** and Vinod Gonsalves “A novel approach to brain tumor detection using k-means clustering and object labeling Algorithm” ,International Conference on Intelligent and Autonomous system (ICIA2015),ISBN 978-93-84659-98-7 , 29th Nov.2015.
6. Shreedevi P and **Keerthi D.S.** “Performance Evaluation of HWMP and AODV for CBR traffic in Wireless Mesh Networks” in the Institute for studies on recent advances in Science and Engineering (ISRASE), ISBN: 978-93-84698-12-6 ISRASE eXplore Digital Library, 04.May.2016.
7. Chethan Kumar S N and **Keerthi D.S.** “Performance Evaluation of routing protocol in wireless mesh network for MICA MOTE energy model” in the Institute for studies on recent advances in Science and Engineering (ISRASE), ISBN: 978-93-84698-12-6 ISRASE eXplore Digital Library, 04.May.2016.
8. Chaithanyaranga H V , **Keerthi D S** , Rohith D M and Adithya B R “Performance Evaluation of AODV and OLSR Routing Protocols for Different Node Density in MANETs”, National conference on control communication and power systems BMSIT Bangalore ,July 26-27,2016.
9. Gourav J M, Keerthi H.K, Chaithanyaranga H V and **Keerthi D S** “Performance Evaluation of AODV Routing Protocol for Different Node Density and Traffic in Wireless Sensor Networks” National conference on control communication and power systems BMSIT Bangalore ,July 26-27,2016.
10. **Keerthi D.S**, Chaithanyaranga H.V, Shreedevi P, “Study and Performance evaluation of mobility models in MANET and WSN”, International conference on Electrical, Electronics, Communication, computer techniques and optimization techniques ICEECCOT-2016, December 9 -10, 2016.at GSSSIT Mysore.(**Google Scholar Indexed**)
11. Chaithanyaranga H.V , **Keerthi D.S**, Shreedevi P “Performance evaluation of AODV and DSR routing protocol under variable node density with RWP mobility model in Wi-Fi Networks”, Third national conference on Multimedia Technology and communication System(NCMTCS-2017) organized by the Department Of Computer Science and Engineering, Malnad College of Engineering, Hassan on 17th and 18th March 2017 under TEQIP-II.
12. **Keerthi D S**, T G Basavaraju “Impact of Load on Performance of Wireless Mesh Networks” Journal of Advanced Research in Dynamical and Control Systems 09-Special Issue, 2018, pp. 202-209
13. **Keerthi D S**, Shobha Rani A, T G Basavaraju “Buffer Based Load Balancing Routing Mechanism for Wireless Mesh Networks” International Journal of Computer Engineering and Technology(IJCET) volume 10 issue 1, 2019, pp. 1-10

14. **Keerthi D S**, Shobha Rani A, T G Basavaraju “Delay-Based Routing Mechanism for Load Balanced Routing in Wireless Mesh Networks” International Journal of Computer Sciences and Engineering (ISSN: 2347-2693), Vol.7, Issue.5, May 2019
15. **Keerthi DS**, Shobha Rani A, TG Basavaraju, “Energy-Delay Based Route Request Scheme for Load Balanced Routing in Wireless Mesh Networks”, 4th International Conference on Communication and Electronics Systems (ICCES 2019) at PPG Institute of Technology, Coimbatore.
16. Ms. Kathyayini Vishwakarma L V, **Keerthi D S** “A Novel Approach for Tracking Crowd and Moving Vehicles in Surveillance Videos”, International Research Journal of Modernization in Engineering Technology and Science , Vol. 2, Issue 8, pp. 1318-1326, August- 2020 (e-ISSN: 2582-5208).
17. “Segmentation and classification of medical big data on brain tumor using bacteria foraging optimization algorithm along with learning automata” Internet Technology Letters Special Issue Article 08 September 2023 (Online ISSN:2476-1508)
18. Paper journal

Awards: 02

1. Best project guide award (B.E. Programme) for the year 2018-2019 for guiding project entitled “Smart Ambulance with Automatic Traffic Congestion Control”
2. Best project guide award (B.E. Programme) for the year 2010-2011 for guiding project entitled “Eye Tracking System”

Professional Membership :

Administration

1. Institute Coordinator for NBA 2022 to 2023
2. Chief Coordinator for NIRF 2021 to 2023
3. Examination Coordinator for UG/PG VTU and PG Autonomous Programme from 2018 to 2021
4. Academic Council Member During 2011- 2014
5. Department Coordinator for NBA from 2011 - 2018
6. Member of Sports Committee Since 2013 to 2022
7. Member of Canteen Committee Since 2013 to 2022
8. Executive Council Member for Staff Club Since 2013
9. Campus Disciplinary Committee Member till 2022
10. Department Convener during 2014 - 2016.
11. Anti-ragging committee Member since 2014

(KEERTHI D.S.)