




# DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

## DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

<b>Faculty Name</b>	<b>BABU KUMAR S</b>	
<b>Academic Designation</b>	<b>ASSISTANT PROFESSOR</b>	
<b>Educational Qualification</b>	<b>M.TECH (Ph.D)</b>	
<b>Experience in Years</b>	<b>9 Years</b>	
<b>Area of Interest</b>	<b>AI and Machine Learning</b>	
<b>Date of Birth</b>	<b>14-11-1988</b>	
<b>Email ID</b>	<a href="mailto:babukumar@dsatm.edu.in"><b><u>babukumar@dsatm.edu.in</u></b></a>	

### Educational Details

- Ph.D-Registered in 2018, DSATM Research Center, VTU (Completed CV)
- M.Tech-Computer Network Engineering, DSCE, VTU-2013
- B.E-Information Science and Engineering, DR AIT, VTU-2010

### Personal Details

- Date of Birth: 14-11-1988
- Hobbies: Surfing on Recent Articles

Languages Known: English, Kannada, Hindi, Tamil, Telugu

### Professional Experience

- Worked as Software Engineer for 8 Months at **Colour Grapes Private Limited**, Bangalore. (From 06/06/2013 to 08/02/2014)
- Worked as **Assistant Professor**, for 2 Years 6 Months in the Department of Computer Science and Engineering, at **Malnad College of Engineering, Hassan**. (From 05/02/2014 to 26/07/2016)

### Publications

#### Publications -International Journals:

1. "An Insight into Plant Disease Detection Using Image Processing-A Review", in International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), ISSN(Online) 2394-2320 Volume 4, Issue 4, April 2018
2. "Pedestrian, Lane and Obstacle Detection In Intelligent Transport System." in International Journal of Contemporary Research in Computer Science and Technology (IJCRCT) e-ISSN: 2395-5325 Volume3, Issue5 (May-2017)

**Publications – International Conferences:**

1. “Automatic Detection and Classification of Lung Nodules in CT Images”, in 2nd International Conference on Data Intelligence and Cognitive Informatics (ICDICI 2021)-Springer Conference, at SCAD College of Engineering and Technology, Thirunelveli, Tamil Nadu, on 16th July 2021.
2. “Detection of Lung Nodules using Convolution Neural Network: A Review” in 2nd International Conference on Inventive Research in Computing Applications (ICIRCA 2020)-IEEE Xplore ISBN 978-1-7281-5374-2, at RVS College of Engineering and Technology, Coimbatore on 16 July 2020.
3. “Video Forgery Detection Techniques on Forensic Evidences to Law Suits”, in 2<sup>nd</sup> International Conference on Computer Networks, Security and Computing (ICCS-2019) at Sri Venkateshwara College of Engineering, Bangalore on 9<sup>th</sup> May 2019
4. “Machine Learning Approaches for Data Analytics and Modeling”, in 5<sup>th</sup> International Conference on Applied Science, Engineering and Technology(ICASET-18), at Sri Sairam College of Engineering, Bangalore on 17<sup>th</sup> and 18<sup>th</sup> May-2018
5. “Traffic Jam Detection Using Image Processing” at International Conference on Innovations in Computer Science & Engineering, ICICS-2014 at Guru Nanak Institute of Technology, Hyderabad on August 8<sup>th</sup> and 9<sup>th</sup> 2014.
6. “Implementation of Image Segmentation for Natural Image” at International Conference on Innovations in Computer Science & Engineering, ICICS-2014 at Guru Nanak Institute of Technology, Hyderabad on August 8<sup>th</sup> and 9<sup>th</sup> 2014.

**Publications –National Conferences:**

1. “A Survey on Early Detection of Lung Cancer” in 5<sup>th</sup> National Conference on Convergence of Science, Technology and management (NCCSTM-2019) at Dayananda Sagar Academy of Technology and management, Bangalore on 10<sup>th</sup> May 2019
2. “Energy Conservation Using Smart Street Lighting System”, in 4<sup>th</sup> National Conference on Convergence of Science, Technology and management (NCCSTM-2017,) at Dayananda Sagar Academy of Technology and management, Bangalore on 3<sup>rd</sup> May 2018
3. “Iot – Based Dynamic Street Light and Traffic Light Control for Smart Cities”, NCCSTM-2017 at Dayananda Sagar Academy of Technology and management, Bangalore on 19<sup>th</sup> may 2017.

4. “Map-Reduce Framework in Feedback Analysis Using Big Data Tools”, NCCSM-2017 at Dayananda Sagar Academy of Technology and management, Bangalore on 19<sup>th</sup> may 2017.
5. “Automatic Image Mosaicing Based on Fast Fourier Transform at National Conference on Recent Advances in Science”, Engineering and Technology, NCRASET-14 at Sri Venkateshwara College of Engineering, Bangalore on 23<sup>rd</sup> May 2014.

### Seminar Attended

1. Webinar on “Artificial Intelligence and Machine Learning Using Python”, organized by IFERP on 10-10-2020
2. Webinar on “Modelling of Biomedical Application using Neural Networks in International STTP held in India”, organized by IFERP on 16-09-2020
3. Webinar on “Planning, Writing and Creating Impact for Your Research Paper” on 20-07-2020 by Rajalakshmi Institute of Technology.
4. Five days Virtual Webinar Series on “Research Frontiers in Intelligent Computing” from 25<sup>th</sup> June to 3<sup>rd</sup> July 2020
5. Webinar on Intellectual Property Right on 13.06.2020. by Atal Incubation Centre - Jyothy Institute of Technology Foundation
6. Webinar on “Intellectual Property Right” on 25.05.2020. by Shri Chatrapathi Shivajirare College of Engineering, Pune

### Workshop Attended

1. **One Day Workshop** on “**How to Write Research Articles for Scientific Journals and Ph.D Thesis on Computational Engineering**” by Department of CSE on 12<sup>th</sup> September, 2019 at SRM Institute of Science and Technology, Kanchipuram
2. **Three Days National Level Workshop** on “**Research Methodology**” from 21<sup>th</sup> to 23<sup>rd</sup> February, 2019 at Dayananda Sagar Academy of Technology and management, Bangalore.
3. **Five Days Workshop** on “**Ni LabVIEW myRIO** ” by NATIONALINSTRUMENTS from 13<sup>th</sup> to 17<sup>th</sup> October, 2018 at Dayananda Sagar Academy of Technology and management, Bangalore.
4. **Five Days Workshop** on “**DATA ACQUISITION USING MYDAQ IN LabVIEW**” by NATIONALINSTUMENTS from 26<sup>th</sup> to 31<sup>st</sup> July, 2018 at Dayananda Sagar Academy of Technology and management, Bangalore.
5. **Five Days Workshop** on “**LabVIEW Module-1**” by NATIONALINSTUMENTS from 8<sup>th</sup> to 13<sup>th</sup> June, 2018 at Dayananda Sagar Academy of Technology and management, Bangalore.
6. **Three Days Workshop** on “**NBA**” from 11<sup>th</sup> to 13<sup>th</sup> Dec, 2017 at Dayananda Sagar Academy of Technology and management, Bangalore.
7. **Two Days Workshop** on “**ADVANCES IN IOT, EMBEDDED SYSTEMS, PROTEUS AND ARDUINO**” by Dexterous Labs on 08<sup>th</sup> and 09<sup>th</sup> April, 2017 at SJMIT, Chitradurga.

8. **Two-week ISTE Workshop on “Pedagogy for Effective use of ICT in Engineering Education”** under National Mission on Education through ICT (MHRD) from January 5<sup>th</sup>, 2015 to January 31<sup>st</sup>, 2015 held at NMIT, Bangalore by IIT, Bombay.
9. **Two-week ISTE Workshop on “Cyber Security”** under National Mission on Education through ICT (MHRD) from July 10<sup>th</sup> to 20<sup>th</sup>, 2014 held at NMIT, Bangalore by IIT, Bombay.
10. **Two-week ISTE Workshop on “Computer Programming”** under National Mission on Education through ICT (MHRD) from May 20<sup>th</sup> to June 21<sup>st</sup>, 2014 held at NMIT, Bangalore by IIT, Bombay.

## **Awards and Achievements**

- Under my Guidance 2 Students of VII semester of ISE Department during 2019-odd semester developed a website to Revamp the College Website.
- Delivered a Technical talk on “Linux- Current Trends” for students of first year in Induction program on August-2018
- Topper of the class in first and third semesters of M.Tech.
- Secured 2nd rank in Mathematics talent exam at state level-2006
- Secured 4th rank in mathematics talent exam at taluk level-2005
- Undergone 2 week training Program in M/s BEML organization in July 2008.

## **Academic Activity**

- Working as NBA coordinator at college Level
- Working as ERP CCM
- Working as E-Governance Coordinator since January-2019
- Working as Website Coordinator since January-2019
- Worked as Placement Coordinator from June 2018 to July 2019
- Organized 2-Days Workshop on “Ideation-Hands on Training to Generate and validate business Ideas” for the students of V semester on 04-10-2019
- Organized “Business Model Presentation Day” for the students of V semester on 14-11-2019
- Organized 2-Days Workshop on “Qt and QNS” for the students of VII semester under MOU with Dhanaina Technology on 17-10-2019 and 18-10-2019
- Organized technical session on “Industrial Approaches in File Structures” for the students of VI semester on 03-03-2019.
- Working as coordinator for all the activities under MOU with Dhanaina Technology, Bangalore since June-2019
- Working as coordinator for all the activities under MOU with RevEngg Pvt. Limited, Bangalore since July- 2018
- Worked as NBA Coordinator for Criteria 7 from July-2016 to December-2018
- Working for NBA criteria-03 since January -2018
- Working for NAAC criteria-02 since June-2019
- Organized 3 day workshop on “IoT using Raspberry Pi and Arduino” for V semester Students from 03-10-2018 to 05-10-2018
- Worked as Conference coordinator NCCSM-2017 at Dayananda Sagar Academy of Technology and management, Bangalore on May 2018
- Organized 2 days Training program on “IOT” for 1<sup>st</sup> Year Students of ISE Department on 26-04-2018 and 27-04-2018
- Worked as Conference coordinator NCCSM-2017 at Dayananda Sagar Academy of Technology and management, Bangalore on 19th may 2017

### **Training Program Attended**

- Completed “**Real Time Project Training and Implementation using IOT Technology**” at Dhanaina Technology, Bangalore from 20-01-2020 to 25-02-2020
- Completed “**Real Time Project Training and Implementation Web Technology**” at Dhanaina Technology, Bangalore from 15-07-2019 to 19-07-2019
- **One-week** Training Programme on “**Pedagogy-Feel Teacher**” under TEQIP-II from 06th to 11th June, 2016 by CLHRD at Malnad College of Engineering, Hassan.
- **Three-day** Training Programme on “**Big Data Analytics and Cloud Computing**” under **TEQIP-II** from 28<sup>th</sup> to 30<sup>th</sup> January, 2016 by Department of Computer Science and Engineering, MCE, Hassan.  
**One day** Training Program on “**SAR Preparation for e-NBA**” under TEQIP-II on May 28<sup>th</sup>, 2014 held at MCE, Hassan.

### Professional Membership

- Life Time member of “The Indian Society for Technical Education(**ISTE**), Membership Id-LM118346
- Member in International Association of Engineers (**IAENG**), Membership Id-215514
- Fellow Member of Universal Association of Computer and Electronics Engineers(**IRED**), Membership Id-SM10100059500
- Member of the Computer Science Teachers Association

### Contact Details

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