




**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & 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 AND ENGINEERING**  
Accredited 3 years by NBA, New Delhi (Validity : 26-07-2018 to 30-06-2021)

Faculty Name	SEEMANTHINI K	
Designation	Assistant Professor	
Educational Qualification	B.E, M.Tech, (Ph.D)	
Experience in Years	9.8	
Area of Interest	Computer Vision and Pattern Recognition	
Email ID	seemanthini_k@dsatm.edu.in	

### Educational Details

- Ph.D- Completed Comprehensive Viva in Computer Science & Engineering at RRC VTU, Bangalore.
- M.Tech- Computer Science and Engineering from Rashtriya Vidhyalaya College of Engineering (RVCE), Bangalore in 2014 with FCD.
- B.E- Computer Science and Engineering from P.E.S College of Engineering (PESCE), Mandya in 2008 with FC.

### Personal Details

- Date of Birth: 15/03/1987
- Hobbies: Cooking, Travelling and Reading Novels.
- Languages Known: Kannada, English & Hindi.

### Professional Experience

- Worked as Lecturer in Department of Computer Science & Engineering at Yellamma Dasappa Institute of Technology from 05/01/2009 to 12/07/2012.
- Worked as Assistant Professor in Department of Information Science & Engineering at Dayananda Sagar Academy of Technology and Management from 13/07/2012 to till date.

### Publications

#### International Journals:

1. Seemanthini K, Dr.Manjunath.S.S, “Human Group Tracking and Anomalous Event Detection”, Grenze ID: 02.ICSIPCA.2017.1.52, Grenze Scientific Society, 2017. pp:322-328.
2. Seemanthini K, Dr.Manjunath.S.S, “Anomalous Event Detection in Videos using

Supervised Classifier” in **Springer’s prestigious Cognitive Computing and Information Processing indexed with Scopus**, Volume 801, ISSN 1865-0929, pp:449-467. DOI: 10.1007/978-981-10-9059-2.

3. **Seemanthini K, Dr.Manjunath.S.S**, “Human Detection and Tracking using HOG for Action Recognition”, in **Elsevier Procedia Computer Science Journal**. (Volume 132, 2018, Pages 1317-1326, ISSN: 1877-0509 Published by Elsevier) .
4. **Seemanthini K, Dr.Manjunath.S.S**, “Video Synchronization and Alignment using Motion Detection and Contour Filtering”, in **Springer’s prestigious LNNS Series**. (In Press).

#### **Conferences:**

##### **International Conferences:**

1. “Anomalous Event Detection in Videos using Supervised Classifier”, **3<sup>rd</sup> International Conference on Cognitive Computing and Information Processing (CCIP-2017)**, **Springer** , held during 15<sup>th</sup> and 16<sup>th</sup> December 2017.
2. “Human Group Tracking and Anomalous Event Detection”, **International Conference on Signal, Image processing Communication and Automation (ICSIPCA-2017)**, **Mc Graw Hill** at JSSATE, held during 6<sup>th</sup> and 7<sup>th</sup> July 2017.
3. “Human Object Extraction in Videos using Motion Saliency”, **Advances in Computer and Communication Engineering (ACCE -2014)** at Vemana Institute of Technology, held during 21<sup>st</sup> April 2014.
4. “Human Detection and Tracking using HOG for Action Recognition”, **International Conference on Computational Intelligence and Data Science (ICCIDS2018)**, April 07-08, 2018, The NorthCap University, Gurugram, India.
5. “Video Synchronization and Alignment using Motion Detection and Contour Filtering” **First International Conference on data Analytics and Learning 2018**, March 30<sup>th</sup>-31<sup>st</sup>, 2018, Mysuru, India.
6. “A Survey on Techniques of Image enhancement of Historical documents to ensure legibility”, **ISTE Sponsored International Conference on Computer Networks, Security & Computing-2018**, on 4<sup>th</sup> & 5<sup>th</sup> May, 2018.
7. “Survey on a Novel Approach for Human Event Recognition using Fuzzy C-mean Clustering”, **ISTE Sponsored International Conference on Computer Networks, Security & Computing-2018**, on 4<sup>th</sup> & 5<sup>th</sup> May, 2018.

8. “A survey on Hand Gesture Recognition for Human Computer Interaction”, **ISTE Sponsored International Conference on Computer Networks, Security & Computing-2018**, on 4<sup>th</sup> & 5<sup>th</sup> May, 2018.

**National Conferences:**

1. National Conference on Convergence of Science, Technology and Management with ISBN No. 978-9385682-48-3 on 3<sup>rd</sup> May 2018 with the title of “Enhancement of historical or corrupted documents to ensure legibility” in Dayananda Sagar Academy of Technology and Management, Bangalore.
2. National Conference on Convergence of Science, Technology and Management with ISBN No. 978-9385682-48-3 on 3<sup>rd</sup> May 2018 with the title of “A Novel Approach for Human Event Detection in Videos using fuzzy C-Mean Clustering in Dayananda Sagar Academy of Technology and Management, Bangalore.
3. National Conference on Convergence of Science, Technology and Management with ISBN No. 978-9385682-48-3 on 3<sup>rd</sup> May 2018 with the title of “Hand Gesture Recognition for Human Computer Interaction Using Support Vector Machine in Dayananda Sagar Academy of Technology and Management, Bangalore.
4. National Conference on Convergence of Science and Management with ISBN No. 978-9385682-48-3 on 19<sup>th</sup> May 2017 with the title of “Video Change Detection” in Dayananda Sagar Academy of Technology and Management, Bangalore.
5. National Conference on Convergence of Science and Management with ISBN No. 978-9384935-97-9 on 05<sup>th</sup> May 2016 with the title of “Anomalous Event Detection in Videos” in Dayananda Sagar Academy of Technology and Management, Bangalore.
6. National Conference on Convergence Science and Management with ISBN No. 978-9384935-97-9 on 05<sup>th</sup> May 2016 with the title of “Survey on Event Detection in Videos” in Dayananda Sagar Academy of Technology and Management, Bangalore.
7. National Conference on Green. Computing Technologies with ISBN No. 978-03-84935-31-3 on 7<sup>th</sup> May 2015 with the title of “Medical Image Fusion Algorithm using PCNN and Wavelet Transform “ in Dayananda Sagar Academy of Technology and Management, Bangalore.
8. National Conference on Networking, Image Processing and Multimedia (NaCoNIM-2014) with the title of “Object Extraction in Videos” on 5<sup>th</sup> April, 2014 in KSIT, Bangalore.
9. National Conference on Real-Time Systems (NCRTS-2014) with the title of “Survey on

Object Extraction in Videos using Motion Saliency” on 9<sup>th</sup> and 10<sup>th</sup> May 2014 in City Engineering College, Bangalore.

### **Academic Activity**

- Working as a Time table Co-ordinator from 2012 to till date.
- Worked as Test Co-ordinator from 2012 to 2015.
- Worked as Seminar Co-ordinator in 2017.
- Worked as Project Co-ordinator .
- Worked as a Lab Exam Time table Co-ordinator from 2012 to 2017.
- Worked as Question Paper Setter for VTU autonomous and other Universities.
- Worked as a member of Department Assessment Committee.
- Working as a Internal Question Paper Quality Team at Dept. of ISE and Dept. of CSE, DSATM.
- Working as a Entrepreneurship Forum Co-ordinator.

### **Faculty Development Activity**

- Attended Workshop on “**Software Testing**” held on January, 2013 at RNSIT, Bangalore.
- Participated in Faculty development program on “Teaching Techniques and Personality Development in 2014 at Dayananda Sagar College of Engineering.
- Participated in Faculty Development Programme by CIL on January, 2013 at Dayananda Sagar Academy of Technology and Management, Bangalore.
- Workshop on “Recent Trends in Image Processing” held on January 2015 at Don Bosco Institute of Technology.
- Faculty Development Programme on “Cloud Services and IOT” at Cognizant at December 2015 at Cognizant Technology Solutions.
- Participated in Faculty development program on Cisco Networks and Cyber Securities in 2013, DSATM .
- Participated in 20<sup>th</sup> ISTE State Level Faculty Convention at Dayananda Sagar College of Engineering on 9<sup>th</sup> of December 2017.
- Attended the Pre Conference on “Cognitive Computing and Information Processing “ at JSS Academy of Technical Education on 14<sup>th</sup> December 2017.
- Faculty Development Programme on “Three Day NBA Workshop-2017 ” from 11<sup>th</sup> to 13<sup>th</sup> December ,2017 at DSATM.
- Faculty Development Programme on “Data Science Using Python-2018 ” from 8<sup>th</sup> to 12<sup>th</sup>

January ,2018 at DSATM.

- Faculty Development Programme on “OBE practices ” from 18<sup>th</sup> to 20<sup>th</sup> June ,2018 at DSATM.
- Faculty Development Programme on “OBE practices ” from 18<sup>th</sup> to 20<sup>th</sup> June ,2018 at DSATM.
- Faculty Development Programme on “Machine Learning using Python ” from 16<sup>th</sup> to 20<sup>th</sup> July ,2018 at DSATM.
- Faculty Development Programme on “Teaching Learning Methodology” from 26<sup>th</sup> to 28<sup>th</sup> July ,2018 at DSATM.

### **Administrative Activity**

- Worked as Technical Committee Member of National Conference (NCCSTM) at DSATM in 2016 and a Editor of Conference Proceeding.
- Co-ordinated a Workshop on “Building an Affective Personal Profile” in 2017.
- Organized Technical Session on IBM WATSON on 09/02/2018 for 6<sup>th</sup> semester students.
- Organized a two days Workshop on Design Patterns on 23/02/2018 and 02/03/2018 for 8<sup>th</sup> semester students.
- POC for MOU with eMath Technologies and conducted a three days Workshop on “Advanced Java and J2EE Applications: on 16/03/2018 ,17/03/2018 and 20/04/2018 for 4<sup>th</sup> semester students.
- Co-ordinated a InterCollege Project Competition on 19/05/2018 at DSATM.

### **Professional Membership**

- ISTE Membership.

### **Contact Details**

Designation, Department of Information Science & Engineering  
Dayananda Sagar Academy of Technology & Management  
Udayapura, Kanakapura Road  
Bengaluru-560082  
Mail ID: seemanthini\_k@dsatm.edu.in  
Phone No: 9686269313

### **My Vision**

- To deliver quality technical teaching and to inculcate research practices in teaching among students.
- To Motivate and create an awareness to students about Entrepreneurship.