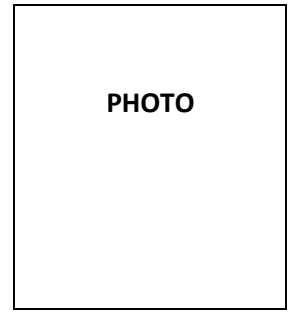


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Dr.S SABENA
Assistant Professor

➤ **Research Area:**

Information Retrieval

Research Interest: Image Processing, Web search, personalization, Medical Image Processing

➤ **Educational Qualifications:**

Qualification	Department	Year (From -To)	Percentage	Class
B.E.	Computer Science and Engineering	2001 - 2005	79	First with Distinction
M.E.	Computer Science and Engineering	2006 - 2008	79	First with Distinction
Ph.D.	Computer Science and Engineering	2009 - 2016	-	-

➤ **Experience: 11 Y 5M**

Name of Company / Institutions	Designation of Post	Scale of pay	From	To	Relived on	Experi ence in Year
Anna University, College of engineering campus, Chennai	Teaching Research Associates	10,000/ month	12/08/2008	18/08/2010	18/08/2010	2 Y
Anna University Regional Campus - Tirunelveli	Assistant Professor	15600 – 39,100 +6000 AGP	19/08/2010	Till date	-	10 Y 3 M

➤ **Awards/Appreciations:**

Got Letter of Appreciation for acting as Discussion Forum Moderator in AICTE approved FDP201x conducted by IIT Bombay during 30th October 2018 to 6th January 2018.

➤ **Additional / Academic Responsibilities at University:**

- a. Recognized Research Supervisor of Anna University
- b. Member, Inspection Committee for Affiliation of Institutions, Anna University, Chennai
- c. Doctoral Committee Member for scholars registered under Anna University Chennai
- d. Question Paper Setter for erstwhile University Departments and Affiliated Colleges of Anna University
- e. Member, Squad Team for Anna University Examinations
- f. CAUR & AUR for Anna University Examinations
- g. Answer key Setter for Anna University Examinations
- h. External Examiner for Practical Examinations of Autonomous College Affiliated to Anna University
- i. Time Table Coordinator

➤ **Professional Activities:**

- a. Doctoral Committee Member for Ph.D scholars of other Universities.
- b. Delivered Guest Lectures in other Engineering Colleges
- c. Acted as Conference/Symposia Technical committee members
- d. DRDO member
- e. Coordinator of Workshops, Seminars, Faculty Development Programmes, etc.,
- f. Coordinator of Youth Red Cross

➤ **Membership of Scientific and Professional Societies:**

- a. Life Member, Indian Society for Technical Education (LM 92640)

➤ **Fellowships and Grants:**

Nil

➤ **Completed B.E/M.E Projects:**

- a. Number of ME Projects Completed: 15 Nos
- b. Number of BE Project Completed: 15 Nos

➤ **PhD Research Scholar (Completed): 01**

1224499125	A.K.JAITHUNBI	FT	SECUTIRY IN CLOUD COMPUTING
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➤ **PhD Research Scholar (Ongoing): 05**

S. No.	Reg. No	Name of the Scholar	Mode of Study	Proposed Title for Research
1	17228191111	Sadhana S A	FT	Mining in management studies
2	17224897429	ARUNA VINODHINI C	PT	DESIGN AND DEVELOPMENT OF SEGMENTING RETINAL VASCULATURE FOR DIABETIC RETINOPATHY
3	17244897707	C SURESH KUMAR	PT	CONTEX AWARE MONITORING AND DELAY TOLERANCE IN INTERNET OF THINGS NETWORK
5	18144891332	JEEJO VETHARAJ J	PT	LIFE HEALTH SECURITY AND LOW ENERGY EMISSION IN INTERNET OF THINGS
6.	18284891373	Jannathul Firdous	PT	Deep Learning

➤ **Sponsored Research Activities:**

NIL

➤ **Consultancy Activities:**

NIL

➤ **List of Seminar / Short Term Course / FDP/ Workshop attended: (Within India) 31**

- a. Two Week Course (2018), “Mentoring Educators in Educational Technology”, organized by IIT Bombay and funded by MHRD from 18th May to 27th June 2018. (2 Weeks)
- b. Two Week Course (2017), “Pedagogy for Online and Blended Teaching - Learning Process”, organized by IIT Bombay and funded by MHRD from 14th September to 20th November. (2 Weeks)
- c. Two Week Foundation Program (2017), “ICT for Education”, organized by IIT Bombay and funded by MHRD from 3rd August to 7th September. (2 Weeks)
- d. One day Preconference Workshop on “Energy audit –Case studies and best practices”, conducted by Misrimal Munoth Jain engineering College, 27th April 2017. (one day)

- e.** Seven Days Faculty development Programme (2017) on “ CS-6303-Computer Architecture” ,organized by Madras Institute of Technology, Chennai from 15th to 21st May 2017(7days)
- f.** Two Day Hands on Workshop (2017), “Python Programming”, organized by Anna University Regional Campus – Tirunelveli and sponsored by Centre for Faculty Development, Anna University, Chennai from 21st August to 22nd August. (2 Days)
- g.** Seven Days Faculty development Programme (2016) on “ CS-6659-Artificial Intelligence” ,organized by College of Engineering Guindy Campus, Anna University Chennai from 5th,9th to 10th, and 16th to 18th Dec 2016 (7days)
- h.** One day International workshop conducted as the Part of International Workshop and conferences on research Contributions in Technology and Applications 28th March 2015.(One day)
- i.** Two days International Workshop on “Scope and Challenges of Scientific Technology Intervention in Indian Medicine as CME”, organized jointly by Regional Office, Anna university :Tirunelveli, Siddha Medical college, Tirunelveli and Tirunelveli Medical college on 6th to 7th August,2015.(Two days)
- j.** Two days ISTE e-seminar on “Step2 Research”, Organized by Department of Computer science, Department of Computer Application Amal jyothi College of Engineering, Kanjirappally in association with ISTE Kerala section and CSI Cochin Chapter on 19th to 20th September 2014(Two days)
- k.** One day National Seminar (2014), “High Impact Journal Writing and Publishing”, organized by Department of EEE, Regional Centre, Anna University, Tirunelveli on 25th September. (1 Day)
- l.** One day Workshop (2014), “R&D Project Proposals – Awareness, Needs and Benefits”, organized by CTDT at Anna University Chennai on 26th February. (1 Day)
- m.** Two Week ISTE Workshop (2014), “Signals and Systems”, organized by IITK at Regional Centre, Anna University, Tirunelveli from 2nd to 12th January. (2 Weeks)
- n.** Two weeks ISTE workshop (2013) on “Database Management System ”. Conducted by Indian Institute of Technology, Bombay from 21st to 31st May 2013.(14 days)
- o.** Seven Days Faculty development Programme (2013) on “ CS-2201-Data Structures” ,organized by College of Engineering Guindy Campus, Anna University Chennai from 19th to 25th June 2013.(7 days)
- p.** Two days workshop on “Hands on Approach to Proficient document Writing using LaTeX” ,organized by Department of Computer science and engineering, Regional Centre, Anna University, Tirunelveli from 12th to 13th Nov 2013.(Two days)
- q.** Three day workshop on “Soft computing Techniques and Its Application”, organized by Department of ECE, Regional Centre, Anna University, Tirunelveli from 4.3.2013 to 6.3.2013 (3 Days)
- r.** One day Workshop (2013), “NPTEL Workshop”, organized by Regional Centre, Anna University, Tirunelveli on 20th April. (1 Day)
- s.** One day International Workshop (2013), “System Thinking and Modelling”, organized by SCAD College of Engineering and Technology on 15th April. (1 Day)

- t. One day Author Workshop on “How to Write for and Get published in Scientific Journals and Publish Manuscript”, conducted by Springer and Edanz along with Department of Information Science and Technology, Anna University, Chennai on 29th January 2013.(One day)
- u. Two Day Workshop (2012), “Hands on Approach to Wireless Network Simulation using NS2”, organized at Regional Centre, Anna University, Tirunelveli from 4th to 5th December. (2 Days)
- v. Two day ISTE Workshop (2012), “AAKASH for Education”, organized by Regional Centre, Anna University, Tirunelveli from 10th to 11th November. (2 Days)
- w. Two day Workshop on “Research Scope in Machine Learning”, organized by Department of Information Science and Technology, Anna University, Chennai from 30th to 31st August 2012.(Two days)
- x. Seven Days Faculty development Programme (2011) on “ IT2351-Network Programming and Management” ,organized by College of Engineering Guindy Campus, Anna University Chennai from 5th to 11st December 2011.(7 days)
- y. Two days workshop on (2011) “Software Testing and Tools”, organized by the Department of Information Science and Technology, Anna University, Chennai from 26th to 27th August 2011.(Two days)
- z. Two weeks ISTE workshop (2010) on “Effective Teaching /Learning of Computer Programming”. Conducted by Indian Institute of Technology, Bombay from 28th to 10th July 2010.
- aa. Two day D.S.A sponsored workshop on “Challenges in Intelligent Web Applications”, Organized by Department of Computer science ,College of Engineering Guindy Campus, Anna University Chennai from 9th to 10th March 2009.(Two days)
- bb. One day workshop(2009) on “NS-2”, Organized by Department of CSE, Jaya Engineering College on 22nd Jan 2009.(One day)
- cc. Seven Days Faculty development Programme (2009) on “Internet Programming/Internet Programming Lab” ,organized by College of Engineering Guindy Campus, Anna University Chennai from 15th to 21st June 2009.(7 days)
- dd. Fourteen days AICTE QIP Short Term Course(2009) on “Recent Trends in Databases”, Sponsored by All India Council for Technical Education, New Delhi, organized and conducted by QIP Nodal Centre , Ramanujan Computing Centre, Anna University Chennai from 16.03.2009 to 29.03.2009.(14 days)
- ee. Five days quality Improvement Programme (2009), “Modern Teaching Methods”, organized by National Institute of Technical Teachers Training and Research, Government of India ,Mnistry of Human Resource development ,Chennai, from 22nd to 26th June. (5 Days)

➤ **National Conferences Participated: 03**

- a. **S.Sabena**, anusha (2016), “Calorie measurement in food recognition system for diabetic patients based on BAG-Of-Feature model”, National conference on High Performance computing by Department of CSE, Government College of Engineering on 26th April .

- b. **S.Sabena**, T.kalaichelvi (2008), “Secured digital Image Transmission over Network using efficient watermarking Techniques on Proxy Server”, Intelligent Computing and Automation-INSTRUVISION 2k8 ,Organized by the Department of EIE, on 19th March.
- c. **S.Sabena**, T.kalaichelvi (2008), “Secured digital Image Processing over Network using efficient watermarking Techniques on Proxy Server”, National Conference on High Performance computing” , Organized by Department of CSE,S.A Engineering College from 24th to 25th January.

➤ **International Conferences Participated: 05**

- a. **S.Sabena** (2015) ,”Learning of Dictionary using Sparse code for the grained Image categorization”,International conference on Trends in Engineering and Technology ,Science and humanities and mangement organized by tamizhan college of engineering and Technology on 19th and 20th February.
- b. **S.Sabena**, S.Nithya 2016,”VM Consolidation using ANT colony system in Green cloud”,presented in 2nd international conference on Recwent Advances in Communication Systems and Technologies organizewd bynFrancis Xavier Engineering College on 2nd March.
- c. **Sabena S** &Yogesh P 2014, ‘Improved Automatic Image Concept Distribution Model forConcept based Image Annotation’, Presented in International conference on Intelligent Information Technologies (ICIIT 2014),Chennai, pp.388-397.
- d. **S.Sabena**, Dr.P.Yogesh, Sai Ramesh.L, Vasanthakumar.V.T(2011), “A Semantic Web Image Retrieval Using LGD”.presented in International Conference on emerging technology trends ,kollam, page.No. 1026-1031
- e. **S.Sabena**, Dr.P.Yogesh, Sai Ramesh.L, Karthikeyan.G (2011), “Image Retrieval Using Canopy and Improved K mean clustering”, presented in International Conference on emerging technology trends ,kollam,1032-1036.

➤ **Books:** **Nil**

➤ **Book Chapters:**

- a. Anusha, B., Sabena, S. and Sairamesh, L., 2017, October. Optimized Food Recognition System for Diabetic Patients. In *International Conference on Next Generation Computing Technologies* (pp. 504-525). Published in Part of the Communications in Computer and Information Science book series, springer (CCIS, volume 827) <https://www.springer.com/in/book/9789811086564#otherversion=978981108657>

➤ **International Journals: 7**

- a. A. K. Jaithunbi, **S. Sabena** and L. SaiRamesh, " Secure And Energy Efficient Data Sharing In Public Cloud Through Mobile Devices" *Journal of Electrical Engineering*. (Annexure I), Accepted.
- b. **S.Sabena**, P.Yogesh, L.SaiRamesh, "Image Retrieval Using Canopy and Improved K-Mean Clustering" *International Journal on Computer Applications*, Sep 2011, Pg.No. 15-19.
- c. **Sabena S** & YogeshP 2015, 'Hybrid Image Retrieval System Using Markov Chain', *International Journal of Applied Engineering Research* vol.10, no. 3, pp. 7973-7984.
- d. **Sabena S** & Yogesh P 2015, 'ISFR: An Effective Framework for Efficient Image Retrieval System Based on Interactive Segmentation And Fuzzy Rules', *ARPN Journal of Engineering and Applied Sciences*,vol.10, no. 9,pp. 4216-4225.
- e. L SaiRamesh, **S Sabena**, K Thangaramya, K Kulothungan, 'Trusted Multi-Owner Data Sharing among Dynamic Users in Public Cloud' , *Australian Journal of Basic and Applied Sciences*, vol.10, no.2, pp.315-319, 2016.
- f. G. Raghuraman, **S. Sabena** and L. Sairamesh, 2016. "Image Retrieval Using Relative Location of Multiple ROIS" *Asian Journal of Information Technology*, 15: 772-775.
- g. **Sabena S**, SaiRameh L and Selvakumar K, 2016. "Multiple Cancer's Prediction using Hybrid Naïve Baye's Classifier", *Asian Journal of Research in Social Sciences and Humanities*, vol.6, no.6, pp.1770 - 1782.
- h. **S. Sabena**, S. Kalaiselvi, B. Anusha, and L. Sai Ramesh, 2016, " An Multi-Label Classification with Label Correlation", *Asian Journal of Research in Social Sciences and Humanities* Vol. 6, No. 9, September 2016, pp. 373-386

➤ **National Journals: Nil**

➤ **Conferences**

➤ **International Conferences: 07**

- a. L.SaiRamesh, E. Ashok, **S. Sabena** and A. Ayyasamy, "Credit Card Fraud Detection in Retail Shopping using Reinforcement Learning", In International Springer Conference on Computational Vision and Bio Inspired Computing (ICCVBIC), organized by RVS Technical Campus, Coimbatore, 29-30, November 2018.
- b. C. Aruna Vinodhini, **S. Sabena** and L.SaiRamesh, "A Robust and Fast Fundus Image Enhancement by Dehazhing", In International Springer Conference on Computational Vision and Bio Inspired Computing (ICCVBIC), organized by RVS Technical Campus, Coimbatore, 29-30, November 2018.
- c. C. Sureshkumar, **S. Sabena**, L. SaiRamesh and A. Ayyasamy, "Secure Trust Based Group key Generation Algorithm for Heterogeneous Mobile Wireless Sensor Networks" 3rd International IEEE Conference on Inventive Computation Technologies (3rd ICICT 2018) on November 15-16, 2018, Coimbatore.
- d. Selvakumar, K., L. SaiRamesh, **S. Sabena**, and G. Kannayaram. "CLOUD COMPUTING-TMACS: A Robust and Verifiable Threshold Multi-authority Access Control System in Public Cloud Storage." In Smart Intelligent Computing and Applications, pp. 365-373. Springer, Singapore, 2019.
- e. Gunasekaran, **S Sabena** , L SaiRamesh, S Ganapathy, K Selvakumar, A Kannan, 2016, "Dynamic Scheduling Algorithm For Reducing Start Time In Hadoop", in International Conference On Informatics And Analytics (ICIA ' 16), Pondicherry Engineering College, 25-26th AUGUST, 2016, ACM, DOI: <http://dx.doi.org/10.1145/2980258.2982115>
- f. Jenitha J and **s.Sabena**, "Single Layer Dictionary Learning for Image categorization", Proc. of TEQUP II Sponsored International Conference on Computational Intelligence Technology(ICCI '2015),Bharathidasan Institute of Technology Campus ,Anna university tiruchirapalli. 7th and 8th April 2015.ISBN:9788191021202.
- g. M.Nagajothi and **S.Sabena**, "Hybrid Techniques for Web Personalization and re-Ranking Using Personalized Ontology model", Proc. of International Conference on Computing and Communication Technology, May 2012,pp.32-37

➤ **National Conferences: 09**

- a. Kausalya A and **S.Sabena** , "Image Retrieval based on Tag by using SVM and AFVSM", Proc. of National Conference on Computing and Communication, April 2014, pp.12-16
- b. Rajeshwari V P and **S.Sabena** , "Automatic Image Annotation and Tag selection for news Image using MixLDA Algorithm", Proc. of National Conference on Computing and Communication, April 2014, pp.112-119

- c. Aparna N and **S.Sabena** , “A novel approach for retrieval of relevance face images using sparse codewords”, Proc. of National Conference on Computing and Communication, April 2014, pp.124-129
- d. Kausalya A and **S.Sabena** ,Image Retrieval based on Tag by using SVM and AFVSM”, Proc. of National Conference on Computing and Communication, April 2014, pp.
- e. K.Bharath Prabhakaran and **s.sabena**, “Region Merging of Image Segmentation”,Proc .of National Conference on Advanved Computing and Information Technology,May 2013
- f. K.S.Saravanan and **s.sabena** ,”Semi Automatic Image Segmentation for Semantic Tag”,Proc. of third National Conference on Advanced VLSI,Image Processing and Communication System,April 2013.
- g. N.Raghu Raman and **s.sabena**, “A Unified Framework for Sharpness and Contrast Enhancement”,Proc. National Conference on Advances in Communication system and Technology, 4 th May 2013, vol.1,pp 57-62
- h. G.Lakshmi prabha and **S.Sabena**, “Content based Image Retrieval using Canopy k-Means Clustering and Relevance Feedback”, Proc. of National Conference on Information Science and Engineering, 8th April 2013, pp. 34-44.
- i. M.Kanaka and **S.Sabena**, “Concept based Image Annotation”, Proc. of National Conference on Information Science and Engineering, 8th April 2013, pp. 17-24.

DECLARATION

I CERTIFY THAT THE INFORMATION FURNISHED ABOVE IS CORRECT TO THE BEST OF KNOWLEDGE AND BELIEF.

DATE: 24.07.2018

Signature With date