

Name of Faculty KATTA SUGAMYA
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 13 - 09 -2005
 E-mail ksugamya_it@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Computer Science Engineering)	Pursuing
PG	M. Tech. (Computer Science Engineering)	First /Distinction
UG	B. Tech (Electronics Communication Engineering)	Second

Work Experience

Teaching	18Years
Research	06 years
Industry	01 year
Others	--

Area of Specialization Embedded systems ,Image Processing and Internet of Things

Professional Memberships Life member IETE -M177243

Responsibilities held at Institution Level

1. Member, SC&ST Cell, from 15-10-2019 to 15-06-2020.
2. Member, CBIT News Letter committee, from 01-07-2012 to till date.

Responsibilities held at Department Level

1. Member Board of Studies, 30-06-2014 to till date.
2. Coordinator, M. Tech (CNIS), from 01-09-2016 to 30-08-2018.
3. Member, Course Expert Group.

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Embedded Systems, Internet of Things, Digital Electronics and Logic Design, VLSI Technology, Digital Signal Processing, Data Communications, Data Hiding.

No. of Papers Published

National Journals –	International Journals –	13
National Conference – 01	International Conferences –	02

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details

1. Katta Sugamya, Pabboju Suresh, A Vinaya Babu, Akhila, Rakshitha published paper on “CBIR using SIFT with LoG, DoG and PCA” Springer Book chapter, Advances in Intelligent Systems and Computing ISBN 978-981-15-1096-0 ISBN 978-981-15-1097-7 (eBook) <https://doi.org/10.1007/978-981-15-1097-7>, pages 623-637, 2020 © Springer Nature Singapore Pte Ltd.
2. B.L.S.Suraj, Sneha Reddy, Sugamya Katta, published a book chapter on “Realistic Handwriting Generation Using Recurrent Neural Networks and Long Short-Term Networks” in Springer AISC Book series, DOI: 10.1007/978-981-15-1480-7_55, March 2020
3. Katta Sugamya, Suresh Pabboju, AVinaya babu “A Comparative Analysis for CBIR Using Fast Discrete Curvelet Transform “ © Springer Nature Singapore Pte Ltd. 2017 H.S. Saini et al. (eds.), Innovations in Computer Science and Engineering, Lecture Notes in Networks and Systems 8, DOI 10.1007/978-981-10-3818-1_3
4. Kothapalli Swathi, Sambu Ravali, Thadisetty Shravani Sagar and Katta Sugamya “ Taxonomy of Polymer Samples Using Machine Learning Algorithms” © Springer Nature Singapore Pte Ltd. 2017 H.S. Saini et al. (eds.), Innovations in Computer Science and

Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).

1. Successfully completed "Programming for Everybody (Getting started with Python)" an online non-credit course authorized by University of Michigan and offered through Course era on 03-05-2020.
2. Successfully completed "Introduction to Data Science using Python" an online non-credit course authorized by University of Michigan and offered through Course era on 21-05-2020.
3. ATAL Academy Online FDP on "Data Science" at International Institute of Information Technology-Nagpur.during 11-05-2020 to 15-05-2020.
4. ATAL Academy Online FDP on "Virtual Reality: Concepts and Applications" at Indian Institute Technology-Patna during 25-05-2020 to 29-05-2020
5. FDP on "Artificial Intelligence" organized by CBIT during 22-05-2020 to 25-05-2020.
6. FDP on "Outcome Based Education and NBA Accreditation Process (UG) " organized by CBIT during 28-05-2020 to 01-06-2020.
7. ATAL Academy Online FDP on "Artificial Intelligence" at NIT-Warangal from 08-06-2020 to 12-06-2020 .
8. National level online Boot camp "Career Building with Python "organized by Codegnan IT Solutions OPC PVT.LTD during 01-06-2020 to 07-06-2020.
9. FDP on "Block chain & Cyber security: A unique fusion to untangle present-day Cyber security challenges" conducted by Andhra University College of Engineering (A) under ISEA Project, MEITY - Government of India from 22-06-2020 to 26-06-2020.
10. Attended one week Faculty Development program on "Avenues for Technology & Research in IoT" organized by Dept. of IT, MGIT in association with SWECHA during 11-12-2017 to 16-12-2017.
11. Attended a one week National Level FDP on "Emerging Trends and Challenges in Big Data & Cloud Computing (ETICBDCC-2017), organized by Dept. CSE, CBIT during 20-02-2017 to 25-02-2017.
12. Organized TEQIP-II sponsored Two day National workshop on "Internet of things using Raspberry Pi3" a hand- on training during 06-03-2017 and 07-03-2017

International/National Journals from 2017

1. Katta Sugamya, Pabboju Suresh, A Vinaya Babu published a paper on "CBIR using SIFT& FDCT with Relevance Feedback Mechanism" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11,pp1103-1108, September 2019.
2. Katta Sugamya , Suresh Pabboju, A Vinaya babu published a paper on "A Comparative Analogy of CBIR Using Spatial and Spectral Domains" in Scopus indexed Journal of Advanced Research in Dynamical and Control Systems, 8-special issue-2018 PP.452-458, ISSN 1943-023X.
3. Katta Sugamya, Pabboju Suresh, A Vinaya Babu, published a paper on "A Dynamic Web based color Image Encryption using Latin Square Image cipher" in Scopus indexed International conference on Trends in Engineering, Management, Pharmacy Sciences (ICTEMPS-2018) held at GCET in association with MSDC on April 2018,International Journal of Engineering & Technology,7 (3.3) (2018) 174-180.
4. Katta Sugamya, Pabboju Suresh, A Vinaya Babu, Anudeep, published on "SNAP and SPLIT: An ANDROID Application for Bill Payment Using TESSERACT OCR " in Scopus indexed conference on International Conference on Recent Trends in Engineering and Sciences-2018(ICRTES-2018) organized by Confer Professional Group of Conferences ,Andhra Pradesh , India during 20 th -21 st February 2018. International Journal of Engineering & Technology, 7 (4.5) (2018) 634-640.
5. Sneha reddy,Tanishka.V and Katta Sugamya, "Handwritten Digit Recognition Using Multilayer Neural Network" in International Journal of Computer & Mathematical Sciences IJCMS, ISSN 2347 – 8527,Volume 7, Issue 3,March 2018. The Institution of Engineers India (IEI), Visvesvaraya Bhavan, Hyderabad, Telangana, India on 18th March 2018, published in ISBN: 978-93-87433-16-8
6. Katta Sugamya , Suresh Pabboju, A Vinaya babu "A Content Based Image Retrieval using Relevance Feedback" in International Journal of Computer & Mathematical Sciences ,IJCMS ISSN 2347 – 8527,Volume 6, Issue 11,November 2017.

International /National Conferences from 2017

Katta Sugamya, Pabboju Suresh, A Vinaya Babu, presented a paper titled "CBIR in Frequency Domain using FDCT and Relevance Feedback" in International Conference on Trends in Engineering (ICTE-2019) organized by SGC, India during 09-15-2019 to 10-15-2019.