

Profile

- Over 17 years of teaching and research experience in Computer Science
- Offering courses at graduate and undergraduate levels
- Guiding graduate and undergraduate projects
- Setting graduate and undergraduate question papers for various universities
- Published research articles in Text Mining, NLP and a monograph on embedded systems
- Reviewed international conference papers and book chapters
- Delivered invited lectures, conducted workshops and made presentations at Defense Labs and Educational Institutions

JNTUH Registration ID: 4215-161223-144848

Ph.D.

“Extracting Voter Sentiment for Indian General Election Forecast using NLP Techniques”.

Research Interests

Sentiment Analysis, Natural Language Processing, Machine Learning & Artificial Intelligence

Google Scholar Profile: <http://url.ie/1ejkt>

Professional membership: Life Member Computer Society of India (CSI).

Educational Background

Ph.D. in Computer Science and Engineering from UCE, Osmania University, 2017

M.Tech. in Computer Science and Engineering from UCE, Osmania University, 2010

Subjects Taught at UG and PG Level:

- Programming for Problem Solving
- Operating Systems
- Mathematical Foundation for Computer Science
- Object Oriented Programming and Design
- Data Mining
- Artificial Intelligence
- Information Retrieval Systems
- Machine Learning
- Sentiment Analysis
- Research Methodology

Projects Supervised

M. Tech Projects: 5

B. Tech Projects: 35

Patents:

- “Deep Learning based detection of abnormality scenarios for computer vision based har systems”; application no. 202141024137.
- “Artificial Intelligence based smart baggage disinfecting system in public transportation”; patent number: 2021100903.

Publications

Research monograph

- “Application and Analysis of Security Algorithms on Embedded processors.” Published by VDM Publishing House, Germany, date- September 13, 2011. ISBN: 978-3-639-37516-9.
<https://www.amazon.com/Application-Analysis-Security-Algorithms-processor/dp/3639375165>

Book Chapters

- **S Padmaja**, S Sameen Fatima, Sasidhar Bandu, M. Nikitha and K. Prathyusha, “Sentiment Extraction from Bilingual Code Mixed Social Media Text”, Advances in Intelligent Systems and Computing, ISSN: 2194-5357, Volume 1079.
<https://www.springer.com/gp/book/9789811510960>
- **S Padmaja**, S Sameen Fatima, B. Sasidhar, “Text Processing of Code Mixed Telugu-English Twitter Data”, Journal of Computer Science and Technology, Springer publications, ISSN: 1860-4749.
https://link.springer.com/chapter/10.1007%2F978-3-030-24322-7_19
- **S Padmaja**, Sasidhar Bandu, S Sameen Fatima, “Text Processing of Telugu-English Code Mixed Languages”, Advances in Decision Sciences, Image Processing, Security and Computer Vision, ISBN 978-3-030-24321-0, 2019.
<https://www.semanticscholar.org/paper/Text-Processing-of-Telugu%E2%80%93English-Code-Mixed-Padmaja-Bandu/d50829542514d3ed3abfb2d5fb369d3f4140637b>

Research Papers Published in:

1) International Conference Proceedings:

- **S Padmaja**, M Nikitha, Sasidhar B, S Sameen Fatima, “Feature Impact on Sentiment Extraction of TEnglish Code Mixed Movie Tweets”, 4th International Conference on Smart Computing and informatics, 9-10 October 2020 (Accepted).
- **S Padmaja**, Sameen Fatima, Sasidhar Bandu, M. Nikitha and K. Prathyusha, “Sentiment Extraction from Bilingual Code Mixed Social Media Text”, Data Engineering and Communication Technology, Advances in Intelligent Systems and Computing 1079, https://doi.org/10.1007/978-981-15-1097-7_59.
- Sasidhar Bandu, **Padmaja S**, “Engaging the Digital Age Learners with Engaging Digital Applications”, 5th AINET International Conference Hyderabad, 10-11 January 2020.
<http://conf.theainet.net/conf/wp-content/uploads/2019/12/List-Workshops.pdf>
- **Padmaja S**, Sasidhar B and Sameen Fatima S, “Associating News Articles to Identify the Scope of Negation and Sentiments of Public Opinion”, “International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)” with IEEE conference record number # 43456, 28-29 Jan 2018, paper code: 01-2018-1617.
http://www.ijcseonline.isroset.org/full_paper_view.php?paper_id=4890

- **S Padmaja**, B Sasidhar, S Sameen Fatima, Vaibhav S L, “Extracting greater semantics from texts with Object Knowledge Model”, IEEE International Conference on Innovative Technologies in Engineering”, University College of Engineering, Osmania University, Hyderabad, India, 1st-1^{3th} April- 2018.

<http://www.uceou.edu/Home/publications.html>

- **S Padmaja**, Prof. S Sameen Fatima, Sasidhar Bandu “Extracting Voter Sentiment From Indian Online News Articles Using NLP Techniques”, ICON 2016 Workshop, IIT – BHU, Varnasi, 17th December 2016.

http://uceou.edu/Hand%20Book%202018_8-20-2018.pdf

- **S Padmaja**, S Sameen Fatima, Sasidhar Bandu, B Sowmya, “Comparison of the Scope of Negation in Online News Articles”, IEEE Conference Publications, International Conference On Computing & Communication Technologies (ICCCT- 2014), 11-13 December 2014. *ISBN*: 9781479967599 1479967599

<https://ieeexplore.ieee.org/document/7066744>

- **S Padmaja**, S Sameen Fatima, Sasidhar Bandu, Pooja, “Analysis of Sentiment on Newspaper Quotations: A Preliminary Experiment”, IEEE Conference Publications, Computing, Communications and Networking Technologies (ICCCNT), Fourth InternationalConference On Digital Object Identifier: 10.1109/ICCCNT.2013.6726650 , Page:1–5,2013. *ISBN*: 9781479939275 1479939277, July 4-6,2013.

<https://ieeexplore.ieee.org/document/6726650>

2) International Conference Proceedings (Held Abroad):

- **S Padmaja**, S Sameen Fatima, Sasidhar Bandu, “Comparing and evaluating the sentiment on newspaper articles: A preliminary experiment”, IEEE Conference Publications, Science, London, UK, on DOI: 10.1109/SAI.2014.6918276, *ISBN*: 978-0-9893 1933-1, pages: 789 – 792, date – August 29, 2014. <https://ieeexplore.ieee.org/document/6918276>

3) International Journals:

- **S Padmaja**, Sasidhar Bandu, Deepa Ganu, S Sameen Fatima, “Analyzing Sentiment and Determining Negation Scope in Political News”, International Journal of Computer Sciences and Engineering, E-ISSN: 2347-2693, 2019.
- https://www.ijcseonline.org/pub_paper/6-IJCSE-07539.pdf
- Firdous Hussaini, **S. Padmaja**, S. Sameen Fatima, “Score-based Sentiment Analysis of Book Reviews in Hindi Language”, International Journal on Natural Language Computing (IJNLC) Vol.7, No.5, October 2018.
- <https://airconline.com/ijnlc/V7N5/7518ijnlc11.pdf>
- **S Padmaja**, Sasidhar Bandu and S Sameen Fatima, “Textual Analysis of Big Data with Object Knowledge Model: A Knowledge Representation framework”, Visleshana, the flagship publication of Computer Society of India, Special Interest Group on Big Data Analytics (SIGBDA), Visleshana, Vol. 2 No. 2, January - March 2018.
- <https://issuu.com/visleshana/docs/visleshana2.2>

- **S Padmaja**, S Sameen Fatima, Sasidhar Bandu, “Evaluating Sentiment Analysis Methods and Identifying Scope of Negation in Newspaper Articles”, International Journal of Advanced Research in Artificial Intelligence, (IJARAI), The Science and Information (SAI) Organization, Pg. 1-6, Volume 3 Issue 11 November 2014. *ISSN* : 2165-4069(Online); U.S *ISSN* : 2165-4050(Print)
https://thesai.org/Downloads/IJARAI/Volume3No11/Paper_1valuating_Sentiment_Analysis_Methods_and_Identifying_Scope.pdf
- **S Padmaja**, S Sameen Fatima, “Opinion Mining and Sentiment Analysis –An Assessment of Peoples’ Belief: A Survey”, International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC) Vol.4, No.1, February 2013. *ISSN* : 0976 - 1764 (Online); 0976 - 2205 (Print)
https://www.researchgate.net/publication/276196657_Opinion_Mining_and_Sentiment_Analysis_-_An_Assessment_of_Peoples'_Belief_A_Survey

4) National Conference Proceedings:

- **S Padmaja**, “Implementation and Comparison of AES and RC4 Security Algorithms for Real Time Data on Embedded Processors.” ICICCA proceedings, 2010, 542-547.
- **S Padmaja**, “Home Security and Automation through Mobiles.” Recent Developments in Computing and its Applications. NCRDCA 2009, 575-582.

Contributions for the Department of CSE:

- Head, Department of CSE
- Coordinator for Academic Monitoring Cell

Contributions at College Level:

- Convenor for the webinar on “Machine Learning in production” on 12th June 2021
- Convenor for the Webseries on BioMedical Imaging on 16th and 17th June 2020
- Convenor for the Webinar on the Future of Cyber Policing and Career Opportunities June 2020.
- Convener of Institutional Innovation Council (2018-19)
- Coordinator for NAAC- Feedback Committee

Academic leadership, awards and recognition:

- BoS member for AI branch @ VJIT since 2019
- Awarded CSIR Senior Research Fellowship (SRF) 2012 – 2016.
- Certified in “Python Data Structures” offered by University of Michigan on Coursera, 2015
- Certified in “Programming for Everybody (Python)” offered by University of Michigan on Coursera, 2014.
- Awarded NCERT Scholarship in R.I.E. Bhopal 1994 to 1998

Webinars/ FDPs/ Seminars/ Workshops/ Guest Lectures Conducted:

- webinar on “Machine Learning in production” on 12th June 2021
- Webinar on *how to develop a neural machine translation system* on 23-01-2021
- *Calmness of mind need of the hour* on 18-09-2020
- Seminar on *mind calming* on 08-09-2020
- Seminar on *stress & anxiety* on 08-02-2020
- Seminar on *career orientation program* in collaboration with Deeksha foundation on 18-07-2020
- Seminar on *the future of cyber policing and career opportunities* on 20-06-2020
- National level e-quiz on *cryptography & network security during* 10/7/2020 to 17-07-2020
- Web series on *Biomedical imaging* during 17-06-2020 to 18-06-2020
- Workshop on *yoga* on 25-01-2020
- Guest lecture on *internet of things* on 18-12-2019
- Workshop on *cyber security* during 20-09-2019 to 21-09-2019
- Ideathon event on 21-09-2019
- FDP on *women development* on 07-09-2019
- Workshop on *google firebase* on 28-09-2019
- Workshop on *data science* during 20-08-2019 to 24-08-2019
- Workshop on *android development* on 19-08-2019
- Workshop on MAD during 17-06-2019 to 13-07-2019
- Workshop on *mean stack* during 07-06-2019 to 20-06-2019
- Workshop on IoT during 20-05-2019 to 15-06-2019
- Workshop on Alexa on 08-03-2019
- Workshop on open cv and Linux on 14-08-2019
- Workshop on machine learning during 06-09-2019 to 7/9/2019
- Operating Systems (TESSELLATOR) for a group of junior faculties during 20th June 2017 to 30th June 2017.

Invited Lectures @ FDPs and Workshops:

- Invited Speaker for an FDP on SENTIMENT ANALYSIS during “6-Day Webinar on “Machine Learning”, Osmania University, 14th – 19th September 2020.
- Invited Speaker for an FDP on Computational Intelligence at MJCET, HYDERABAD, 8-Jan-2020.
- Delivered a Lecture on “The Emerging Research in Cross Language Information Retrieval” at One Week FDP on Computational Intelligence, 06-11 Jan-2020 at CSED, MJCET, Banjara Hills, Hyderabad.
- Delivered a Guest Lecture on “Artificial Intelligence” on 12th February, 2019 at Department of CSE, Osmania University.
- Lecture on “Sentiment Analysis”, in a Specialized Training course on „Data Mining and Analysis Techniques” for Scientists of various DRDO laboratories/ establishments at RCI from 29th June – 3rd July 2015.
- Clustering Techniques at Andhra Mahila Sabha, OU from 15th June 12 to 19th June 12.

Featured Presentation:

- “Science for Shaping the Future of India” at a National Seminar organized by ISCA (Indian Science Congress Association), Nov 28 - 29, 2012.

Works Reviewed:**In Technical Program Committees (TPCs):**

- Reviewer of Emerging Trends in Circuit- Branch Technologies 2021 Conference – CBIT, 2019
- Reviewer of IEEE International Conference on Innovative Technologies in Engineering 2018
- Reviewer of International Conference on Microelectronics, Computing and Communication 2016
- Reviewed of International Conference on Computing and Communication Technologies 2014

Reviewer for Journals and Books:

- Reviewer of International Journal of Engineering & Technology 2018.
- Reviewed book chapters in “Sentiment Analysis and Ontology Engineering: An Environment of Computational Intelligence”, ISBN 978-3-319-30319-2

Appointment of examiner for spot valuation:

- B.E. IV/IV II Sem (main), Data Mining at UCE, Osmania University
- B.E. IV/IV II Sem (main), Data Mining at UCE, Osmania University
- B.E. IV/IV II Sem (Main), Machine Learning at UCE, Osmania University
- M.E./ M.Tech.(Reg/PTPG) II Semester (Main), Artificial Intelligence and Web Mining at UCE, Osmania University
- M.E./ M.Tech.(Reg/PTPG) I Semester (Main), Data Mining at UCE, Osmania University
- M.E./ M.Tech.(Reg/PTPG) II Semester (Main), Artificial Intelligence at UCE, Osmania University

Panel member for Question paper setting:

- B.Tech I Year I Semester (Main) – Programming Concepts at SR Engineering College, Warangal.
- M.E./ M.Tech.(Reg/PTPG) II Semester (Main) Examinations – Artificial Intelligence at UCE, Osmania University.
- M.E. (Reg/PTPG) I Semester (Main) Examinations – Data Mining at UCE, Osmania University.
- M.E./ M.Tech.(Reg/PTPG) II Semester (Main) - Artificial Intelligence and Web Mining at UCE, Osmania University.
- B. Tech. AI- II Year I Semester (Main) - Introduction to Artificial Intelligence, VJIT, Hyderabad.

Summer School:

- 5th Advanced NLP Summer School 2014 at IIIT Hyderabad, India (Jointly organized by LTRC and CESP), <http://ltrc.iiit.ac.in/iasnlp2014>, July 1-15, 2014

FDPs, Conferences and Workshops Attended:

- AICTE - ATAL Academy Online FDP on “Academic Leadership & Management of Technical Education” from 17-May-2021 to 21-May-2021 at Faculty of Engineering & Technology, Gurukula Kangri (Deemed to be) University, Haridwar.
- One Week FDP on Capacity Building in Drafting Proposal for Funded Research organized by SGTB, Khalsa College, University of Delhi, 05th Oct to 11th Oct 2020.
- AICTE - ATAL Academy Online FDP on "Artificial Intelligence" from 2020-8-31 to 2020-9-4 at College of Engineering and Management, Kolaghat.
- AICTE - ATAL FDP PROGRAM on ” Data Science”, Organized by Tripura Institute of Technology, Agartala, 24th to 28th August 2020.

- 3-Day FDP on “OUTCOME BASED EDUCATION SYSTEM” – A Roadmap to Teaching , Learning, Evaluation and Accreditation organized by Lendi Institute of Engineering and Technology , 21st -23rd May, 2020.
- (ATAL) Academy Online FDP on "Augmented Reality (AR) / Virtual Reality (VR)", organized by NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, CHANDIGARH, from 11-05-2020 to 15-05-2020.
- One day online workshop on BOOK AND ARTICLE PUBLISHING AND SPRINGER LINK PLATFORM DEMONSTRATION, organized by GURU NANAK DEV UNIVERSITY, AMRITHSAR, APRIL 22, 2020.
- “NPTEL Workshop” conducted at CLT, IIT Madras on 25 Jan 2020.
- “IEEE International Conference on Innovative Technologies in Engineering”, University College of Engineering, Osmania University, Hyderabad, India, 11th-13th April- 2018.
- GIAN course on “Big Data Analytics for Humanitarian Causes”, University College of Engineering, Osmania University, Hyderabad, India, 20 Nov-27 Nov 2017.
- “International Conference on Fog computing and Internet of Things”, KMIT, Dec 21-22 2017.
- 12th International and 48th ELTAI (English Language Teachers Association of India) Annual Conference on the theme “English Language Acquisition: Western Theories and Eastern Practices”, Kerala, 29th June to 1st July 2017.
- ICON 2016: 13th International Conference on Natural Language Processing, Indian Institute of Technology (Banaras Hindu University), India, December 17-20, 2016.
- “The 8th IEEE International Conference on Technology for Education, Indian Institute of Technology Bombay, Mumbai, December 2-4, 2016.
- “Advance Course Workshop Series” at EnhanceEdu, IIIT Hyderabad, India, April 24-26, 2014.
- “Faculty Development Program On Data Mining” AMS School of Informatics and Department of CSE, Osmania University in association with IEEE Computer Society of Hyderabad from 27th Feb 2012 to 2nd Mar 2012.
- “Writing Effective Conference Papers”, Under the National Mission on Education through ICT, Conducted by IIT Bombay from 18th Feb 2012 to 19th Feb 2012.
- “Engineering Research Methodology” ,Conducted by the Department of Mechanical Engineering, OUCE, Osmania University, Hyderabad-500007, during 2nd Feb 2012 to 4th Feb 2012.

- “Software Development techniques for Teachers of Engineering and Science Institutes”, Under the National Mission on Education through ICT, Conducted by IIT Bombay from 5th Nov 2011 to 4th Dec 2011.
- “Embedded Systems Concepts and Emerging Technologies” by TCS and OUCE on 26 May 2011.
- “A practical and Industry Approach to Advanced Software Engineering” by TCS and OUCE, Hyderabad on 25 May 2011.
- “Research Trends in Computer Science” by MJCET, Hyderabad on 4-5 March 2011.
- “Data and Web mining” by ACE Engineering College on 1- 3 Dec 2010.
- “Soft Computing” by OUCE, Hyderabad and Govt. Institute of Electronics, Secunderabad on 30-31 March 2009.
- XVI congress on Mathematical Sciences, organized by NGRI, Hyderabad on 8-10 Dec 2007.
- “Personality Development and Entrepreneurship Awareness Programme” by JNTU from 1 to 17 May, 2004.
- Actively participated in the workshop entitled “Analysis Of Mistakes Committed In Mathematics By 1st And 2nd Standard Students” (Nov 1996 – Dec 1996)