

NUSRAT JABEEN TAPALKAR

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Address : Sharjah (UAE) (Visit Visa)

OBJECTIVE

Aiming to obtain a key lecturing position with an Education System where my educational skills and teaching abilities can be shared amongst the generation next.

WORK EXPERIENCE

Assistant Professor

Anna Adarsh College for Women, Chennai, India - **June 2018 – March 2022**

- Demonstrated interest and competence in establishing courses and teaching at the Post Graduate and Under Graduate level.
- Supervised and mentored students in areas of Computer Science subjects.
- Developed core curriculum and delivered course material effectively.

Head & Assistant Professor

Shri Krishnaswamy College for Women, Chennai, India - **June 2013 – March 2018**

- Demonstrated high standards in teaching, advising and research.
- Facilitated students understanding to develop problem-solving, critical thinking and programming skills.
- Assisted the training and placement of students.
- Organized seminars and events with established Industry professionals for Students Placement Assistance.

Principal and Head of the Department

Shaheen Women's Degree College, Bidar, Karnataka - **December 2010 – May 2013**

- Fostered a positive learning environment by developing curriculum and instructional support that targeted and engage all students in their academic experience.
- Reviewed methods and teaching materials to make recommendations for improvement.
- Engaged in innovative approaches to learning and teaching.

Lecturer

- Akka Mahadevi College for Women, Bidar, Karnataka - December 2007 – November 2010
- Headed as a Committee Co-coordinator for National Conferences and Faculty Development Programme
- Engaged effectively with department chair to enhance University admissions annually.
- Encouraged teaching computing courses to cross-disciplinary courses.

Lecturer

Anna Adarsh College for Women, Chennai, India - **June 2003 – August 2007**

- Supported students through a pastoral/advisory role.
- Supervised student projects, field trips and placement assistance.

Faculty

- **Orchid Soft Systems, Chennai, India - June-2002 to June-2003**

EDUCATION

Ph.D. in Computer Science

Bharathiar University, Coimbatore, India, January 2020

M.Phil in Computer Science

Bharathidasan University, Tiruchirapalli, India, February 2008

M.Sc. in Computer Science

University of Madras, Chennai, India, April 2002

B.Sc. in Computer Science

University of Madras, Chennai, India, April 2000

B.Ed.in Computer Science

Gulbarga University, Karnataka, March 2013

SKILLS

- Excellent oral and written English communication skills.
- Ability to handle multiple responsibilities effectively.
- Excellent interpersonal skills.
- Effective classroom management.
- Excellent leadership qualities.

MEMBER, BOARD OF STUDIES

- Board of Studies, University of Madras, India, during the academic year's from 2018- 2022.
- Selvam Arts and Science College, Namakkal, India during the academic years from 2015 to 2018.
- D.G.Vaishnav College, Arumbakkam, India during the academic years from 2016-2018.
- JBAS Women's College, Teynampet, Chennai, India during the academic years from 2013 – 2018.

AWARDS/RECOGNITION

- Honoured with the **BEST STUDENT MENTOR AWARD** for the academic year 2019-2020 at Anna Adarsh College for Women, Chennai, India.
- Received the **Best Teacher Award** for the academic year 2013-2018 at Shri Krishnaswamy College for Women, Anna Nagar, Chennai, India.
- **3 Silver Medal** for producing cent percent result in UG and PG subjects during the academic year 2013-2014 at Shri Krishnaswamy College For Women, Anna Nagar, Chennai, India.
- **4 Gold Medal** for producing 100% result in UG and PG subject during the academic year 2014-2015 at Shri Krishnaswamy College For Women, Anna Nagar, Chennai, India.
- **Cash award of Rs.5000** for producing 100% result in UG and PG subject during the academic year 2015-2016 and 2016-2017 at Shri Krishnaswamy College For Women, Anna Nagar, Chennai, India.

PUBLICATIONS

1. **Nusrat Jabeen T**, “Prediction and Analysis in High Utility Pattern Mining Using List Based HUPM Algorithm”, ICRITO – IEEE Xplore, 978-1-6654-1703-7/21, February 2022.
2. **Nusrat Jabeen T**, “Deep Learning in Image Recognition for Easy Sketching Techniques”, Lecture Notes in Networks and Systems, Intelligent Computing and Innovations on Data Science, https://doi.org/10.007/978-16-3153-5_5, February 2022.
3. **Nusrat Jabeen T**, “Multi-sensor information fusion for efficient smart transport vehicle tracking and positioning based on deep learning technique”, The Journal of Super Computing, <https://doi.org/10.1007/s11227-021-04115-6>, 25th September 2021.
4. **Nusrat Jabeen T**, “Advanced FFT architecture based on Cordic method for Brain signal Encryption system”, IEEE Xplore, pp.92-96, January 2021.
5. **Nusrat Jabeen T**, “Comparison of Aco and Pso Algorithm Using Energy Consumption and Load Balancing In Emerging Manet And Vanet Infrastructure”, Journal of Critical Reviews, ISSN- 2394-5125 Vol 7 , Issue 9, 2020.
6. **Nusrat Jabeen T**, “An Efficient Detection And Segmentation of Brain Tumor Using Robust Active Shape Model”, Journal of Critical Reviews, ISSN- 2394-5125 Vol 7 , Issue 9, 2020.
7. **Nusrat Jabeen T**, “Satellite Image Remote Sensing For Identifying Aircraft Using Spiht And Nsct”, Journal of Critical Reviews, ISSN- 2394-5125 Vol 7, Issue 5, 2020.
8. **Nusrat Jabeen T**, “Privacy Preservation In Association Rule Mining Using Improved Diffie Hellman Algorithm”, Jour of Adv Research In Dynamical & Control Systems, Vol. 10, No. 4, 2018.
9. **Nusrat Jabeen T**, “Security and Privacy Concerned Association Rule Mining Technique for The Accurate Frequent Pattern Identification”, International Journal of Engineering & Technology, 19- 24, (2018).
10. **Nusrat Jabeen T**, “An effort to study the ordering pattern of customers in a fast food outlet using FP growth algorithm”, International Journal of Innovative Research in Applied Sciences and Engineering (IJIRASE) Volume 1, Issue 7, DOI: 10.29027/IJIRASE.v1.i7.2018.146-150, January 2018.
11. **Nusrat Jabeen T**, “Frequent Pattern Technique using Federation Rule Mining”, Indian Journal of Science and Technology, Vol 9(38), DOI: 10.17485/ijst/2016/v9i38/101593, October 2016.
12. **Nusrat Jabeen T**, “Privacy Preserving Association Rule Mining in Distributed Environments using Fp- Growth Algorithm and Elliptic Curve Cryptography”, Indian Journal of Science and Technology, Vol 9(48), DOI: 10.17485/ijst/2016/v9i48/93737, December 2016.
13. **Nusrat Jabeen T**, “A Comprehensive Study of Privacy Preservation Techniques in a Distributed Association Rule Mining”, International Journal of Computer Applications (0975 – 8887), Volume 108 – No. 2, December 2014.

CONFERENCE PAPER PRESENTED

- Presented A Paper entitled, **“Energy Efficiency in Cloud Computing using Hybrid Algorithm”**, **Online Symposium** on “ADVANCES IN COMPUTATIONAL INTELLIGENCE AND HEURISTIC APPLICATIONS, Organized by Department of Information Technology – Al Mussanah, Sultanate of Oman from 10th to 11th November 2021.
- Presented A Paper entitled, **“Credit Card Detection using Data Mining Technique”**, 4th INTERNATIONAL E-CONFERENCE ON INCIPIENT RESEARCH IN INFORMATION TECHNOLOGY,COMMERCE,MANAGEMENT AND LINGUISTICS – 2021”, Organized by The Quaide Milleth College For Men from 17-09-2021 to 18-09-2021.
- Presented a Paper entitled, **“Deep Learning in Image Recognition for Easy Sketching Techniques”**, 2ND INTERNATIONAL CONFERENCE ON TECHNOLOGY AND INNOVATION IN DATA SCIENCES, LINCOLN UNIVERSITY, MALAYSIA on 19TH AND 20TH FEBRUARY 2021.
- Presented a Paper entitled, **“Secure Authentication Technique based on Elliptic Curve Cryptography for IoT and Cloud servers”**, TWO DAYS INTERNATIONAL E-CONFERENCE ON RECENT TRENDS AND TECHNOLOGIES IN SOFT COMPUTING (ICRTSC'20), ST.PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH,AVADI,CHENNAI on 28TH AND 29TH SEPTEMBER 2020
- Presented a Paper entitled, **“Importance of Digital Education - COVID 19”**, International Virtual Conference On Computational Intelligence And Applications Organized By Mohamed Sathak A J College of Engineering, Chennai on 28-08-2020
- Presented a Paper entitled, **“Digital Tools in the Fight Against COVID 19”**, International Online E- Conference On Advances In Information Technology, Business Management And Ecommerce Organized by The Quaide Milleth College For Men from 04-07-2020 to 05-07-2020.
- Presented a Paper entitled, **“Managing the Impact of COVID 19 in Education using digital transformation”** during National Conference on Emerging Technologies in Computer Science and Engineering (NCETCSE 2020),[ISBN 978-81-945588-1-1] Organized by Department of CSE, Santhiram Engineering College, Nandyal, Kurnool (Dt.), A.P. on 13th June 2020.
- Presented a paper entitled, **“Secured Association Rule Mining Using Diffie-Hellman Key Exchange”**, International Conference on Recent Trends in Science and Management, Organized by Bharath Institute of Higher Education And Research, Chennai on 23rd and 24th November, 2018.
- Presented a paper entitled, **“Mining Association Rule in a Fast Food Outlet Using FP-Growth Algorithm”**, National Conference on Innovative Intelligence in Computer Technology, Organized by Alpha Arts And Science College, Porur on 7th October 2016.
- Presented a paper entitled, **“An Effort to Study the Ordering Pattern of Customers in A Restaurant Using FP Growth Algorithm”**, National Conference on NXTGEN Developments in Computer Science and Mathematics, Organized by Shree Chandraprabhu Jain College, Minjur on 29th September 2016.
- Presented a paper entitled, **“Maintaining Privacy in Association Rule Mining Process for Large Volumes of Data”**, National Conference on Electronics Information and Communication Engineering, organized by Abdul Hakeem College of Engineering and Technology, Melvisharam , Vellore on 15th March 2014.

FDP ATTENDED

- Develop The ability to write Research Proposal, organised by Adarsh Institute of Management And Information Technology, Chennai on 24-04-2020
- Data Science Approach for Industry and Research, organised by Vels Institute of Science and Technology, Chennai on 02-05-2020
- Online FDP on 'LATEX', organised by Chevalier Thomas Elizabeth College/Spoken Tutorial Project, IIT Bombay on 04-05-2020
- Data Analysis & Visualisation of COVID-19 Dataset using Python, organised by Jerusalem College of Engineering, Chennai on 07-05-2020
- Futuristic Information And Communication Technologies, Organised by CSI Chapter in Association With Innovation Society, Jaipur on 10-05-2020
- Role of educational institutions in rural development after covid-19 , organised by Navarasam Arts and Science College for Women, on 16-05-2020
- Data science and SAP, organised by Jamal Mohammed College, Tiruchy on 18-05-2020
- Data science, organised by Bhaktavasalam Memorial College For Women, Chennai on 20-05-2020
- Robotic Process Automation and Its Machine Learning Techniques, organised by Vels Institute of Science And Technology, Chennai on 23-05-2020
- IoT and its application, organised By SLS Mavmm Ayira Vaisyar College Madurai on 27-05-2020
- The Future of Computing - Cloud and Fog Computing, organised By Noorul Islam Centre For Higher Education, Kumaracoil on 29-05-2020
- 50 + ways of teaching learning process , organised by MTC Global, Bangalore, Dhaka International University Bangladesh on 30-05-2020
- Artificial Intelligence, Sri Devi Women's Engineering College Hyderabad from 22-05-2020 to 26-05-2020

WORKSHOP ATTENDED

- WRITING IMPACTFUL RESEARCH - Workshop series organised by SABARAGAMUWA UNIVERSITY, SRILANKA IN ASSOCIATION WITH EMERALD PUBLISHING AND GULF UNIVERSITY from 22nd April 2021 to 20th July 2021.
- Microsoft Dynamics 365, organised by Kristu Jayanthi College, Bangalore from 04-05-2020 and 05- 05-2020
- Understanding OBS Studio & Stream yard for E-Content Creation and Live Streaming, organised by Dr.MGR Educational And Research Institute, Chennai from 10-07-2020 and 11-07-2020
- Understanding OBS Studio & Stream yard For E-Content Creation and Live Streaming, DR.MGR
- Educational And Research Institute , Chennai on 10-07-2020/11-07-2020

SEMINAR ATTENDED

- Engineering - Beyond the Classroom, organised by Aalim Muhammed Salegh College of Engineering, on 27-04-2020
- How to be secured in digital era, , organised by Dept. of BBA, SRM Institute of Science and Technology , Chennai 05-05-2020
- Institutional governance and best practices, organised by Sri GVG Visalakshi College For Women, Udamalpet on 06-05-2020
- How to be a successful instructional designer in e-learning, organised by PSG College of Arts & Science, Coimbatore on 06-05-2020
- Cyber security - a hackers perspective, organised by Dr Subhash Technical Campus, Junagadh on 15-05-2020
- Virtual Reality, organised by Sri Kanyaka Parameshwari College, Chennai on 15-05-2020
- Ethics in research, Sri Ranganathar Institute of Engineering And Technology, Coimbatore on 18-05-2020
- Cloud Services and Rest Architecture Design, organised by MAR Gregorious College of Arts And Science, Chennai on 19-05-2020
- Tools to manage the stress of teaching during a pandemic, organised by Dept of Commerce, Anna Adarsh College For Women on 21-05-2020
- Analytics of Air Pollution-COVID 19 pandemic, organized by University College of Engineering(Bit),Anna University, Tiruchirappali on 21-05-2020
- Teaching and learning through Moodle, organised by Mahatma Gandhi Central University Motihari, East Champaran, Bihar & Babasaheb Bhimrao Ambedkar University Vidya Vihar, Lucknow, up on 23-05-2020
- Internet of Things, organised by Srimath Sivagana Balaiya Swamigal Tamil Arts And Science College, Villupuram on 16-07-2020
- GEOGEBRA 5.04, organized by Jamal Mohammed College, Trichy, Spoken Tutorial Project IIT Bombay, MHRD, GOVT. of India on 10-05-2020

BOOK PUBLICATION

- **Dr. T. Nusrat Jabeen** "A Text Book on Software Engineering", ISBNo.978-81-94878-92-6, Jan- 2021, Tipitaka Publishing House, Chennai.

ACADEMIC RESPONSIBILITIES

- Acted as an External Examiner for M.PHIL VIVA VOCE, Vels University, March 2021.
- Produced several Gold medalists and Rank holders in the semester Examinations. (2013 – 2018) and (No. of Students - 12)
- Produced 100% pass percentage in all computer subjects handled for Postgraduate and Undergraduate classes (consecutive 8 Years)
- Produced innovative lecture techniques, teaching strategies, developed curricula and created lesson plans for computer graduates at the college.
- Acted as a Project Guide for more than 200 PG students (M.Sc. & M.C.A)
- Acted as a Question Paper Setter and Evaluator for various Colleges.
- Acted as an External Examiner for University Practical Examination at various Colleges.

EXTRA CURRICULAR RESPONSIBILITIES

- Chief Superintendent Semester Exams at Karnataka Women's University, Bijapur, Karnataka, India.
- Staff Selection Committee at Shaheen Women's College, Bidar, Karnataka, India.
- ICTACT Career Campaign at Shri Krishnaswamy College For Women, Anna Nagar, India.
- Coordinator for Cultural Programmes at Shri Krishnaswamy College for Women, Anna Nagar, India.
- Coordinator for Health Check-up programme at Shri Krishnaswamy College For Women, Anna Nagar
- Coordinator for Blood Donation Camp at Shri Krishnaswamy College For Women, Anna Nagar, India.
- Council Co-ordinator at Shri Krishnaswamy College For Women, Anna Nagar, India.
- Committee Co-ordinator, National Conferences and FDP's at Shri Krishnaswamy College for Women, Anna Nagar, India.
- Coordinator for Sports Day Drill at Shri Krishnaswamy College for Women, Anna Nagar, India.
- Coordinator for Student Council at Anna Adarsh College for Women, Annanagar, India.

EXTERNAL EXAMINER – PRACTICAL EXAMINATION

- Shri Krishnaswamy College for Women, Chennai for the academic year 2021 - 2022
- Alpha Arts and Science College, Chennai for the academic year 2020 - 2021
- JBAS Women's College, Chennai for the academic year 2013 - till date
- Anna Adarsh College for Women, Chennai for the academic year 2015 - 2018

EXTERNAL EXAMINER – THEORY EXAMINATION

- University of Madras, Chennai during the academic year from 2013-till date
- Bharath University, Selaiyur, Tambaram, Chennai during the academic year from 2018-2019
- D.G.Vaishnav College, Arumbakkam, Chennai during the academic year from 2016-2018

Researcher ID

Google Scholar : <https://scholar.google.co.in/citations?hl=en&user=LjZJ7XcAAAAJ>

Research Gate : https://www.researchgate.net/profile/T_Jabeen

PERSONAL INFORMATION

Date of Birth : 26 December 1979
Nationality : Indian
Passport number : L1046138
Religion : Islam
Languages known : English, Hindi, Urdu and Tamil
Present Address : Postal Code: 61180
AL AMEER TOWERS, Al Nahda, Sharjah, UAE.
Permanent address : No.5/4, First Floor, Sundaram Street,
Puruswalkam, Chennai – 600 007
Tamilnadu (INDIA).